

AudionET

VIP G3

Versatile Integrated Player

User's Manual

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1 Preface

The Audionet Team congratulates you on your purchase of this unit. But before you start listening to your new Audionet VIP G3, please read this manual carefully so you are able to use and enjoy all functions of this unit without drawback on music or picture quality.

Audionet VIP G3: A Sensual Statement

Already his predecessor was considered to be the reference player for the enjoyment of music and film. Now, the third generation takes the stage: the VIP G3 (Generation 3) is nothing less than Audionet's final statement for the classic audio and film media.

The VIP G3 is the outstanding specialist for the established and well proven CD, DVD-Video and DVD-Audio as well as SACD formats. Media – that are technically absolutely mature, easily available and, due to their uncountable variety, define home entertainment. More than that, the VIP G3 receives and decodes music even from servers or personal computers through its USB Audio interface.

With a performance that sets standards in most aspects even compared to new high resolution media, the VIP G3 exceeds the expectation from expert connoisseurs of high-quality music and video reproduction.

The VIP G3 fathoms the unimagined potential of established media. Therefore the VIP G3 plays your familiar records in a way that touches each of your senses.

Included

Included you will find the following items:

- the universal CD, SACD and DVD transport system VIP G3
- one low resonance stabilizer ('Puck') made of POM (black)
- the user's manual (that you are currently reading)
- one standard mains chord
- one DVD Audio disc 'Hamamura Quintett - Retold'
- Audionet System Remote Control Logitech *Harmony Ultimate One* (in separate package)

Transportation

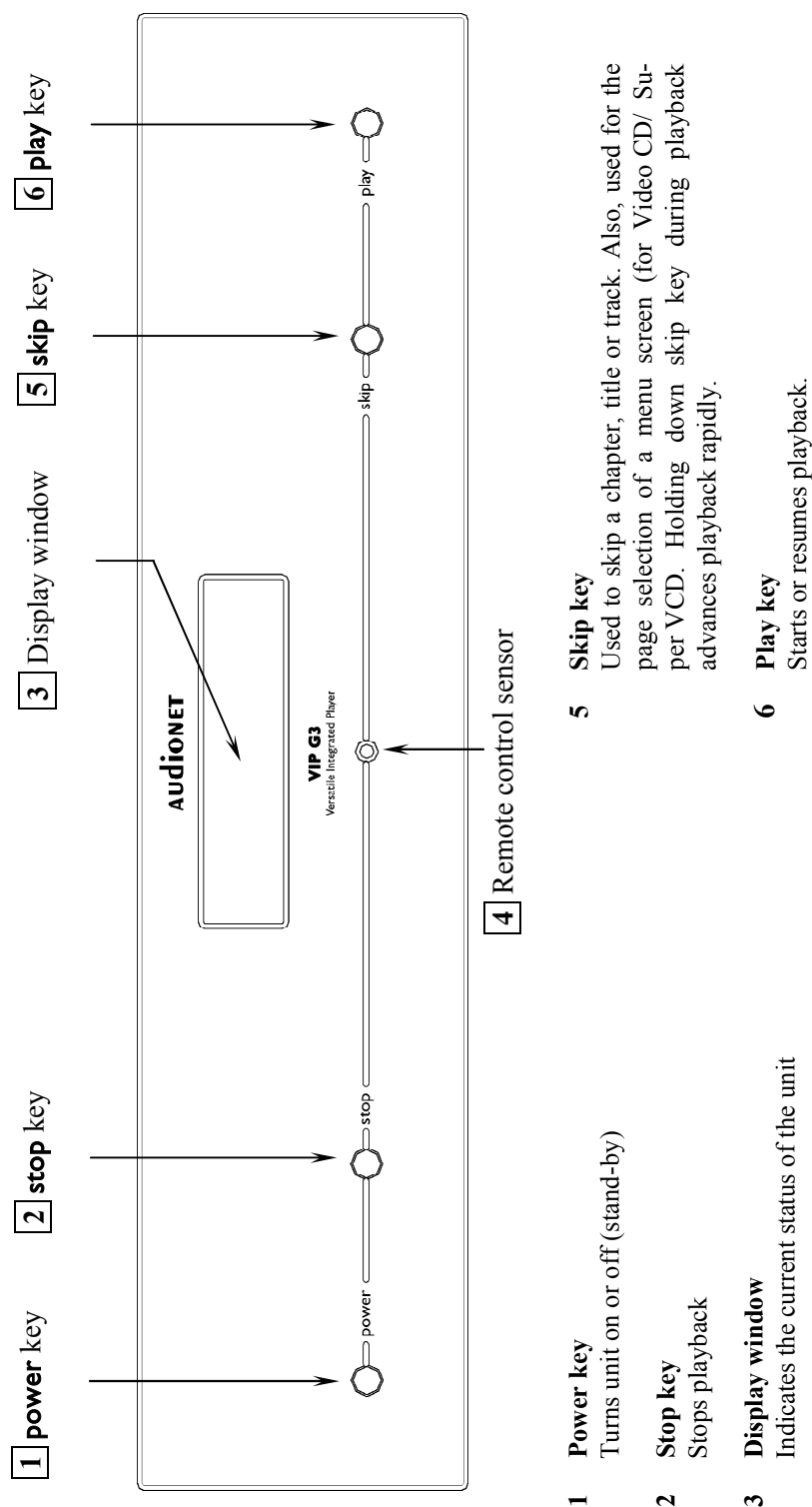


Important

- Please transport the VIP G3 only inside the included package.
- Use the provided bag to prevent scratches on the housing.
- **Never** leave a CD/DVD/SACD disc or the stabilizer inside the VIP G3 during transport. The sensitive mechanics could suffer damage.

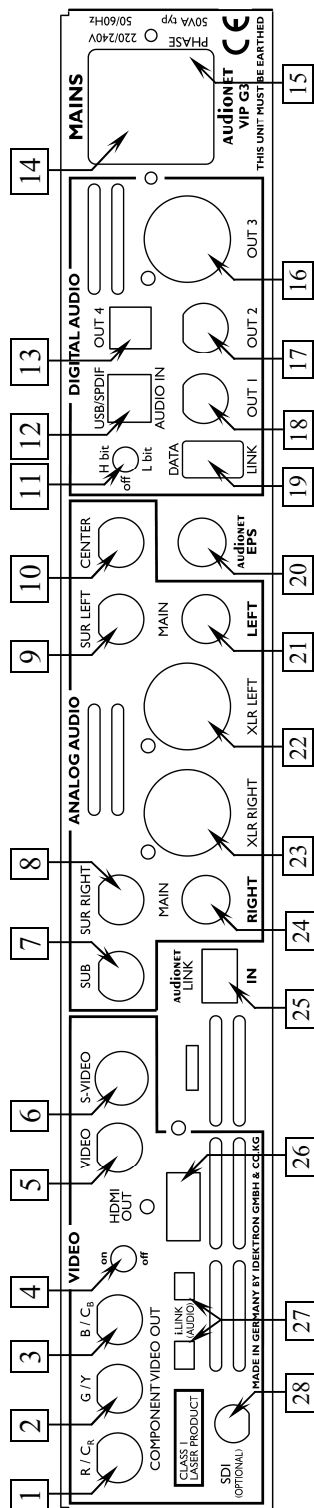
2 Overview of control elements

2.1 Front panel



3 Overview of connections

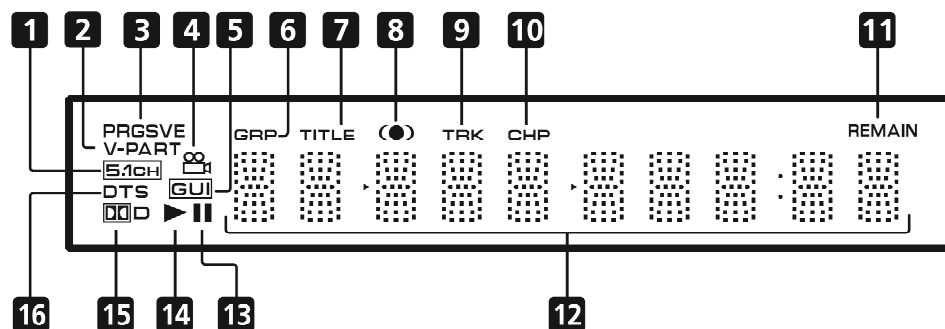
3.1 Back panel









For further information about connections and hardware settings please refer to section 'Connections and options on the back panel' on page 140.


4 Overview of display elements

4.1 Display window



- 1 **5.1CH** lights when the analog 5.1 channel output is selected (refer to section '*Audio Output Mode*' on page 108).
- 2 **V-PART** lights while playing a video part of a DVD disc.
- 3 **PRGSVE** lights when the video output is progressive scan (refer to section '*About progressive scan video*' on page 14).
- 4  lights during multi-angle scenes on a DVD disc (refer to section '*Switching camera angles*' on page 93).
- 5 **GUI (Graphical User Interface)** lights when a menu is displayed on-screen.
- 6 **GRP** indicates that the character display is showing a DVD Audio group number.
- 7 **TITLE** indicates that the character display is showing a DVD Video title number.

- 8  ^{*1} lights when  / **TruSurround** is active (refer to section 'Virtual Surround' on page 73).
- 9 **TRK** indicates that the character display is showing a track number.
- 10 **CHP** indicates that the character display is showing a DVD chapter number.
- 11 **REMAIN** lights when the character display is showing the time or number of tracks/titles/chapters remaining.
- 12 **Character display**
- 13  lights when a disc is paused.
- 14  lights when a disc is playing.
- 15  ^{*2} lights when a Dolby Digital soundtrack is playing.
- 16 **DTS** ^{*3} lights when a DTS soundtrack is playing.

^{*1} *TruSurround and the  symbol are registered trademarks of SRS Labs, Inc.*

^{*2} *'Dolby' and the double-D symbol are registered trademarks of Dolby Laboratories.*

^{*3} *'DTS' and 'DTS Digital Surround' are registered trademarks of Digital Theater Systems, Inc.*

4.2 About progressive scan video

Compared to interlace video ^{*1}, progressive scan video ^{*2} effectively doubles the scanning rate of the picture, resulting in a very stable, flicker-free image. Progressive scan video is available only from the component video output. Use the **[Progressive]** function in the **[Video Output]** menu to switch the component video output between interlace and progressive (refer to section '*Component Out*' on page 85). With a DVD Video disc you can do this during playback, or when the disc stopped. For other types of discs, the VIP G3 must be stopped.



Important

- If you connect a TV that is not compatible with a NTSC or PAL progressive scan signal and switch the VIP G3 to progressive, you will not be able to see any picture at all. In this case, please deactivate the **[Progressive]** function to switch back to interlace.



Note

- You can't switch video output when an OSD is on-screen.
- The picture on some TVs may momentarily break up when you switch the video output of the VIP G3.

^{*1} refer to glossar '*Interlaced Video*' on page 134.

^{*2} refer to glossar '*Progressive scan video*' on page 135.

5 Installation and power supply

5.1 Placement

Please choose a level and dry place. It is recommended to place the VIP G3 into a high quality rack or onto a stable table. Do not expose the unit to vibrations and direct sunlight. Do not place the unit in close range to heat sources like radiators.

5.2 Mains connection

The mains input **14** is on the back panel of the VIP G3. To connect the unit to mains use the included mains cord. If you want to use a different power cord make sure that it meets the specifications for your home country.



Important

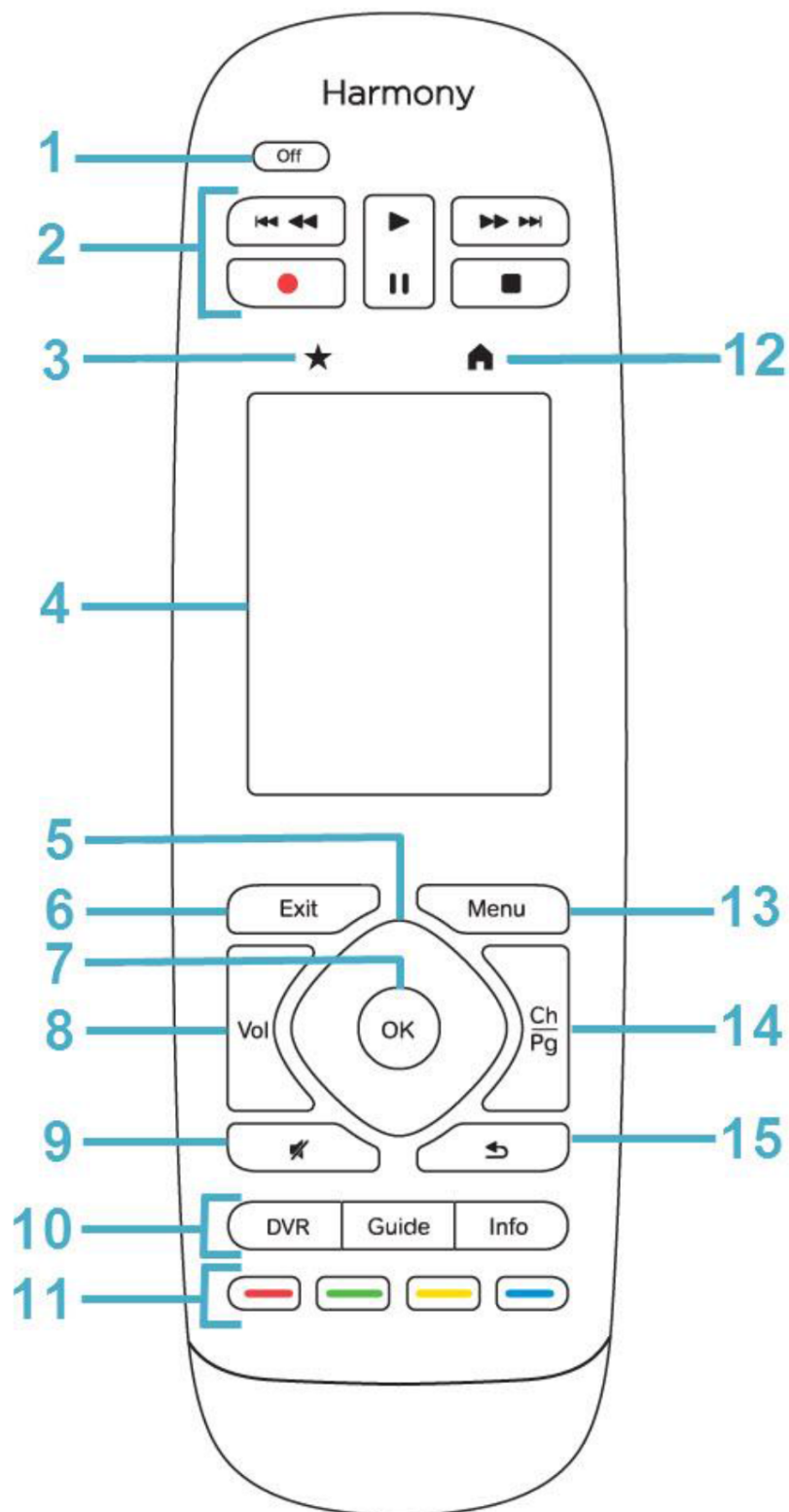
- The electrical specifications at the back must meet the specifications of your home country.
- The VIP G3 is a Class I unit and must be earthed. Please ensure a stable earth connection. 'Phase' ('hot pin') is marked at the back panel (**PHASE** **15**).
- Only in case of extended absence (like vacations) or if massive trouble on mains power is to be expected you should disconnect the unit from mains. To disconnect the unit from mains pull the mains plug.

5.3 Orientation of mains plug

The correct polarization of mains is important for reasons of audio clarity and stability. Please connect the mains cord that the hot pin of the wall outlet is connected to the pin of mains input **14** marked **PHASE** **15** on the back panel of the unit.

6 Audionet System Remote Control

All functions of the VIP G3 can be controlled using the Audionet System Remote Control Logitech *Harmony Ultimate One*. Furthermore it is possible to control up to 14 additional devices with the *Harmony Ultimate One*.





6.1 Key assignments VIP G3

No.	Key	Function
1	Off	For switching off the current Activity , long key stroke (>10sec) to switch remote control on or off
2	Play Pause Stop	Start, pause or stop playback of current title
2	REC	Not assigned
2	⏮ ⏭	Short key stroke: skip to previous / next title
2	⏮⏭	Long key stroke: rewind / fast forward
3	★	Favourites: see manual Logitech; for VIP G3 not relevant
4		Touch screen, functions are labelled
5		Cursor cross around OK key for navigating through the menus of the VIP G3
6	Exit	Go back one step or exit a menu
7	OK	Acknowledge a selection
8	Vol + Vol -	Not assigned
9	🔇	Not assigned
10	DVR Guide Info	Not assigned Opens the on screen menu Shows information on current disc
11		Colour keys: not assigned
12	🏠	Home: lists all Activities
13	Menu	<i>Short key stroke:</i> shows DVD disc menu or the Disc Navigator, if a DVD-RW, CD, Video CD/Super VCD or MP3 disc is inserted. <i>Long key stroke:</i> opens the top menu of a DVD disc
14	Ch	Not assigned
14	Pg	Not assigned
15	↶	Not assigned

You will find help for setting up your Logitech Harmony Ultimate One on the internet on Logitech's webpage:

<https://support.myharmony.com/de-de/harmony-ultimate-one-user-manual>

6.2 Using the touch screen

Tap on the  Symbol above the touch screen of your Harmony Ultimate One to get a list of all your Activities. Tap now on the  symbol on the lower right and then on the key **Devices**. The screen will give you a list of all programmed devices to be controlled by your *Harmony Ultimate One*. Scroll through the list with an up or down wipe and press then the key **VIP G3** in order to control your VIP G3 with the *Harmony Ultimate One*. The **Device** mode gives you access to all remote control commands your VIP G3 understands. The following will discuss these commands in detail.



Important

- During everyday use, you should never need to use the Device Mode of your Harmony Ultimate One, but control the VIP G3 (and other devices of your audio setup) by customizing your **Activities**. For detailed information on how to customize and use **Activities** on your *Harmony Ultimate One* please consult the separate user manual for *Harmony Ultimate One*.

Key	Function
123	Opens the numeric key pad
Power Toggle	Switches the VIP G3 on / off (toggle)
Power On	Switches the VIP G3 on
Power Off	Switches the VIP G3 off
Menu	Opens the DVD disc menu or the Disc Navigator, if a DVD-RW, CD, Video CD/Super VCD or MP3 disc is inserted
Top Menu	Opens the top menu of a DVD disc
Home Menu	Opens / closes the on-screen menu of the VIP G3 (same function as key Guide)
Audio	Select the audio channel or language

Subtitle	Select subtitles (see section " <i>Switching subtitles</i> " on page 66)
Angle	Switch camera angles during multi angle playback of a DVD (see section " <i>Switching camera angles</i> " on page 69)
SACD Mode	Select which area of a SACD you would like to playback (see section " <i>SACD Playback</i> " on page 102).
Surround	Switch on/off DD V/ TruSurround (see section " <i>Virtual Surround</i> " on page 73)
Dim Display	Change display brightness
Video Adjust	Display the Video Adjust menu (see section " <i>Video Adjust</i> " on page 77)
OSD on/off	Display information about the disc playing (see section " <i>Displaying disc information</i> " on page 69)
Random	Play tracks or chapters (DVD Video), groups or tracks (DVD Audio) or tracks (CD, Video CD / Super VCD and MP3 discs) in random order (see section " <i>Random play</i> " on page 63).
Repeat	Provides several repeat modes for DVD, CD, SACD, MP3, VCD or SACD discs, e.g. track or disc repeat (see section " <i>Track Repeat</i> " on page 60 and section " <i>Disc repeat</i> " on page 61)
Repeat A-B	Loop a section of a DVD, CD or SACD (see section " <i>Looping a section</i> " on page 62)
Play Mode	Display the Play Mode menu (see pages 49 to 60 and 65). You can also get to the Play Mode menu by pressing Home Menu or Guide and then selecting [Play Mode]
Program	Program titles, chapters, folders, or tracks to playback in a desired order (see section " <i>The program function</i> " on page 64)



Important

- The Power key **Off** is only available for Activities. In Device Mode the Power key has no function.
- Even without using an Activity, the user is able to control all functions of the VIP G3 using the *Harmony Ultimate One* in Device Mode.
- The keys described below to control the VIP G3 refer to the factory default programming of the Audionet System Remote Control *Harmony Ultimate One*. Understandably, any changes done to this setup by the user cannot be discussed here.



Tip

- In order to switch the VIP G3 on/off, without using an Activity, please use the keys **Power On**, **Power Off** or **Power Toggle** on the touch screen. Of course, it is possible to control the VIP G3 without any Activ-

ity, but to tap the full potential of the *Harmony Ultimate One* you need to configure Activities customized to your needs (please refer to separate manual of the remote control *Harmony Ultimate One*).



Note

- Please read the separate user manual to your Audionet System Remote Control *Harmony Ultimate One*. Activities, Devices and Device Mode as well as customizing the remote control are discussed there. The user manual to the Audionet system remote control *Harmony Ultimate One* is available for download here:

<http://cdn-www.myharmony.com/files/harmonyultimateone-usermanual-en.pdf>

6.3 Using the numeric key pad

Use the digit keys of the numeric key pad to select a track, title or group directly. Additionally, you can use them to enter a time for the **Time Search** function or a chapter for the **Chapter Search** function.

6.3.1 Selecting track / title / group number

To select a number between 1 and 9 please press the corresponding digit key and confirm the selection with **OK** or **enter**.

To enter a two digit number please press the key for the first digit. After selecting the left digit press the key for the second (right) digit and confirm with **OK** or **enter**. If you need to correct your last entry press **clear** to erase the entry and start over.

Example: To enter number

- 5 press **5** → **OK** or **enter**
- 10 press **1** → **0** → **OK** or **enter**
- 24 press **2** → **4** → **OK** or **enter**

6.3.2 Selecting a time or chapter number

The method for entering a time for **Time Search** or a chapter number for **Chapter Search** is different from above. Please refer to section "*Searching a disc*" on page 65 for details.



Note

- There is a different method for selecting a track or folder of a MP3 disc. For further information see section "*Searching a disc*" on page 65.


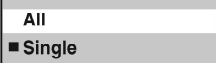
7 Operational principles

For this manual the following conventions of presentation are valid:

- keys on the remote control: **Menu**
- items of on-screen menus: **[2-Channel]**
- cursor keys to move cursor on the screen: **▲ ▼ ◀ ▶**
- on-screen menu message: **Pause**
- message in display window on front panel: **LOADING**

7.1 How to use on-screen displays

You can set preferences and perform advanced playback functions via various on-screen displays. On-screen displays are operated as described in the following:

- Move the cursor with the cursor keys **▲**, **▼**, **◀** and **▶** onto the element you would like to change/adjust.
- For elements like  you change their settings by using **◀** and **▶** while the element is selected.
- Elements of the type  are used by positioning the cursor (white background bar) over the item you want to select. Confirm selection by pressing key **OK** or **enter**.
- Numbers are entered using the numeric keys.
- Some functions only become effective after conforming a selection by pressing key **OK** or **enter**.



Note

- Throughout this manual, examples of display messages and screens are in the same language as this manual. In case you should have selected a different language for the screen menus all messages will be presented in the selected language. The order of menu items is independent from the selected language. To change the language refer to section '*OSD Language*' on page 92.

8 About discs

8.1 Playable disc types

The VIP G3 is engineered to play back the following types of discs:

DVD Audio 	DVD Video 	DVD R 	DVD RW 
Audio CD 	Video CD 	CD-R 	CD-RW 
Super VCD 	Super Audio CD  SUPER AUDIO CD		

CD-R and CD-RW discs recorded in the Audio CD or MP3 format can be played back, though some of them may not be played back because of the disc characteristics or recording conditions.

DVD Video discs have one or more Region Code numbers, which are indicated on the cover. This unit can playback DVD Video discs whose Region Code numbers include the unit's Region Code.

Example of playable DVD discs when the unit's Region Code is 2:



The VIP G3 can playback a disc recorded with either the NTSC or PAL format.

8.1.1 Non-playable disc types

The following disc types are non-playable by the VIP G3:

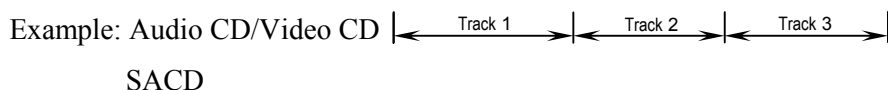
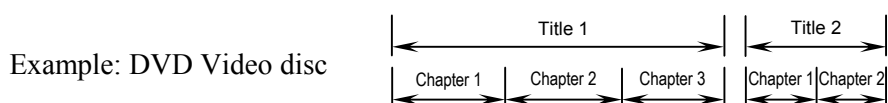
DVD-ROM, DVD-RAM, CD-ROM, PHOTO CD, CD-EXTRA, CD-G, CD-TEXT

Playing back discs listed above as 'non-playable discs' may generate noise and could cause damage to your speakers

The VIP G3 can playback audio recorded on CD-G, CD-EXTRA and CD-TEXT discs.

8.1.2 Disc structures

DVD Video discs are generally divided into one or more 'titles'. Titles may be further divided into 'chapters'. For example, if a DVD Video disc contains some movies, each movie may have its own title number, and each movie may be divided into some chapters. On a DVD Video Karaoke disc, each song usually has its own title number and does not have chapters. DVD Audio discs are divided into one or more 'groups', and each group can contain a number of 'tracks'. Some DVD Audio discs also contain a 'bonus group' that will only play after entering the 'key number' (a kind of password). Usually the contents of a 'bonus group' are not open to the public. Note that most DVD Audio discs include other information in addition to audio, such as still pictures, movies and text. Audio CD, Video CD or Super VCD discs are divided into 'tracks'. CD-ROMs containing MP3 files are divided into 'folders'. Folders may also contain subfolders.



8.1.3 MP3 discs

The VIP G3 will playback CD-R/CD-RW discs recorded in the MP3 format (those discs are referred to as MP3 discs in this manual). Though available functions with MP3 discs are limited, operations for the available functions are similar to those with Audio CD discs.

MP3 is the abbreviation of 'MPEG1 Audio Layer 3'. MPEG Audio is a compression specification that compresses the audio portion only. The audio data has been compressed into about 1/10. A similar compression method is also used on images on DVD Video, Video CD and Super VCD discs.

On a MP3 disc, each material (song) is recorded in a file. Files are usually grouped into folders, often sorted by category, by artist etc. In addition, folders can also be subdivided into subfolders, creating hierarchical folder layers. If you are familiar with personal computers, you may easily understand the hier-

archical folder layer construction of MP3 discs because it is similar to the folder layer construction of computers.



Note

- The VIP G3 can recognize a combined total of up to 250 files and folders. If a disc containing over 250 files/folders is loaded, only the first 250 files/folders recorded on the disc will be playable.
- The VIP G3 will play CD-ROM discs containing files saved in the MPEG-1 Audio Layer 3 format (MP3) with a sampling rate of 44.1 or 48 kHz. Incompatible files will not play, and **UNPLAYABLE** will be displayed.
- Fixed bit-rate files are recommended. Variable bit-rate (VBR) files are playable, but playing time may not be shown correctly.
- The CD-ROM used to compile your MP3 files must be ISO 9660 Level 2 compliant.
- CD physical format: Mode 1, Mode 2 XA Form 1.
- The VIP G3 only plays tracks that are named *.MP3 or *.mp3.
- The VIP G3 is compatible with multisession discs, but only plays sessions that are closed.
- Use CD-R or CD-RW media for recording your MP3 files.
- Folder and track names (excluding the extension '.mp3') are displayed.
- There are many different recording bit-rates available to encode MP3 files. The VIP G3 was designed to be compatible with all of them. Audio should be encoded at least at 256 kbps for a reasonably decent sound quality. The VIP G3 will playback MP3 files with lower bit-rates, but please note that sound quality becomes noticeably worse at lower bit-rates.

8.1.4 General disc compatibility

DVD-R/RW and CD-R/RW discs recorded using DVD-/CD-Recorders or PCs may not be playable on this unit. This may be caused by a number of possibilities, including but not limited to:

- the type of disc used,
- the type of recording,
- damage, dirt or condensation on either the disc or the VIP G3's pickup lens.



CD-R/RW compatibility

- The VIP G3 will play CD-R and CD-RW discs recorded in CD Audio or Video CD/Super VCD format, or as CD-ROM containing MP3 audio files. However, any other content may cause the disc not to play, or create noise/distortion in the output.
- This unit cannot record CD-R or CD-RW discs.
- Unfinalized CD-R/RW discs recorded as CD Audio can be played, but the full Table of Contents (playing time, etc.) will not be displayed.



DVD-R/RW compatibility

- The VIP G3 will play DVD-R/RW discs that were recorded using the DVD Video format or Video Recording format.
- This unit cannot record DVD-R/RW discs.
- Unfinalized DVD-R/RW discs cannot be played in the VIP G3.



PC created disc compatibility

- If you record a disc using a personal computer (PC), even if it is recorded in a 'compatible format' as listed above, there will be cases in which the disc may not be playable in this machine due to the setting of the application software used to create the disc. In these particular instances, check with the user's manual the software you are using.
- Check the DVD-R/RW or CD-R/RW discs boxes for additional compatibility information.



About DualDisc playback

- A DualDisc is a new two-sided disc, one side of which contains DVD content video, audio etc. while the other side contains non-DVD content such as digital audio material
- The non-DVD audio side of the disc is not compliant with the CD Audio specification and therefore may not play.
- The DVD side of a DualDisc plays in the VIP G3.
- For more detailed information on the DualDisc specification, please refer to the disc manufacturer or disc retailer.

9 Getting started

9.1 Setting the TV system

The default setting of the VIP G3 is **AUTO**, and unless you notice that the picture is distorted when playing some discs, you should leave it set to **AUTO**. If you experience picture distortion with some discs, set the TV system to match your country or region's system. Doing this, however, may restrict the kinds of disc you can watch. The table below shows what kinds of disc are compatible with each setting (**AUTO**, **PAL** and **NTSC**).

1. If the VIP G3 is not plugged in yet, plug it in now, but leave it in stand-by.
2. Using the front panel controls, hold the **skip** key down then press the **power** key on the front panel to change the setting of the TV system. The setting changes as follows:

AUTO → **NTSC**

NTSC → **PAL**

PAL → **AUTO**

The display of the VIP G3 indicates the new setting.



Note

- You have to switch the VIP G3 into stand-by (press **power** key on front panel) before each change.
- If you are watching an NTSC disc on a PAL TV, you will only be able to see interlace video. Progressive scan video is not compatible with the **MOD.PAL** setting.

Disc		Player setting		
Type	Format	NTSC	PAL	AUTO
DVD	NTSC	NTSC	MOD.PAL	NTSC
	PAL	PAL	PAL	PAL
Video CD	NTSC	NTSC	MOD.PAL	NTSC
	PAL	NTSC	PAL	PAL
CD / No disc	-	NTSC	PAL	NTSC or PAL

9.1.1 Watching NTSC on a PAL TV

Most models of the newly developed countdown PAL TV system detect 50 Hz (PAL) / 60 Hz (NTSC) and automatically switch vertical amplitude, resulting in a display without vertical shrinkage.

If your PAL TV does not have a V-Hold control, you may not be able to watch NTSC discs because of picture roll. If the TV has a V-Hold control, adjust it until the picture stops rolling.

On some TVs, the picture may shrink vertically, leaving black bands at the top and bottom of the screen. This is not a malfunction; it is caused by the NTSC to PAL conversion.

9.2 Switching on/off

After making sure that everything is connected properly and that the VIP G3 is plugged in, press the **power** key on the front panel or the key **Power On** or **Power Toggle** of the remote control *Harmony Ultimate One* in **Device Mode** for the VIP G3 to switch on the unit. The display on the front panel shows **LOADING** for a short time.

If the disc drawer is open the display shows **OPEN**.

If you switch on the unit while the disc drawer is closed and no disc inserted, a short time after switching on the display will read **0** for group / title / track / chapter / time.

Switch off the unit by pressing the **power** key on the front panel or the key **Power Off** or **Power Toggle** of the remote control *Harmony Ultimate One* in **Device Mode** for the VIP G3. The display will first show **-OFF-** and then go dark after a short time. Now the unit is in stand-by mode.



Tip

- Of course, it is much more comfortable to switch on/off the VIP G3 using the Activity feature of the Audionet System Remote Control *Harmony Ultimate One*. For more information on Activities please read the user's manual of the *Harmony Ultimate One*.

9.2.1 Audionet Link

For your convenience, the VIP G3 can be controlled remotely by one of Audionet's multi-channel pre amplifiers MAP or MAP 1, as well as one of Audionet's stereo pre amplifiers series PRE or PRE 1 using the "Audionet Link" interface.

You only need a simple optical "Toslink" cable to connect the "Audionet Link" output of your Audionet pre amplifier to the "Audionet Link" input **25** of the VIP G3. Now, the VIP G3 and all other units connected via "Audionet Link"

will be switched on/off automatically, when you switch on/off your pre amplifier at the front panel or by remote control.



Note

- Independently from the "Audionet Link" interface, you can switch on/off manually your VIP G3 at any time by using the **power** key on the front panel or the remote control.

9.3 Inserting and removing discs

Open the disc drawer on top of the unit by pushing it to the back using the handle. Put a disc onto the spindle with its printed side facing up. Fix disc with included stabilizer ('Puck'). Please make sure that the stabilizer gives the disc a centred and level position.

Close the drawer now. The display shows **LOADING**. After a short moment the disc type is indicated (refer to section '*About discs*' on page 23). For further information about playback of discs please refer to section '*Playing discs*' on page 38.

Stop playback by using button **stop** at front panel or ■ on the remote control before you open the drawer. Please wait until the disc stopped turning completely before lifting off the stabilizer ('Puck') to remove the disc.



Important

- If you open the disc drawer during playback the VIP G3 takes a short moment to stop the disc. Please wait until the disc stopped spinning completely before you remove it.
- The drawer always has to be closed completely in order to playback a disc.
- Please always use the provided stabilizer for fixing the disc during playback. Otherwise the disc and the player may suffer damage.
- Never use any additional disc stabilizers!
- Do not use any non-standard shaped discs available on the market because it may damage the unit.
- Please check the copyright laws in your country before recording from DVD Audio, DVD Video, Audio CD, SACD, Video CD, Super VCD or MP3 discs. Recording of copyrighted material may infringe copyright laws.
- DVD Video discs are protected by the copyguard system. When you connect the unit to your VCR directly, the copyguard system is activated, and the picture may not be played back correctly.

- If you insert a DVD Video disc that has a Region Code incompatible to the Region Code of the VIP G3, this unit will refuse to play the disc.
- With some DVD Video discs, the unit starts playback automatically after inserting the disc and closing the drawer.

9.4 Setting up with the Setup Navigator

When you switch on the VIP G3 for the first time, you will see the **AUDIONET** logo on the TV screen. From here you can let the VIP G3 know what kind of TV you have, then either use the Setup Navigator to make more settings, or jump right in and start playing some discs.



Note

- If you have connected an HDMI compatible device to the VIP G3, the HDMI settings screen will appear instead of the setup screens below. Refer to section 'HDMI Settings' on page 103 for further information.

9.5 Using the on-screen displays

For ease of use, the VIP G3 makes extensive use of graphical on-screen displays (OSDs). You should get used to the way these work as you will need to use them when setting up the VIP G3, using some of the playback features, such as program play, and when making more advanced settings for audio and video.

All the screens are navigated in basically the same way, using the cursor keys **▲**, **▼**, **◀** and **▶** to change the highlighted item and to select it by pressing **OK** or **enter**.



Important

- Throughout this manual, 'select' means to use the cursor keys **▲**, **▼**, **◀** and **▶** to highlight a menu item, and then press **OK** or **enter** to confirm.

Key	Function
<div>Home Menu</div> or <div>Guide</div>	Display/exit the on-screen display
<div>▲ ▼ ◀ ▶</div>	Changes the highlighted menu item
<div>OK</div> or <div>enter.</div>	Selects the highlighted menu item
<div>Return</div> od <div>Exit</div>	Returns to the previous menu without saving changes



Tip

- Information at the bottom of every OSD screen explains the currently selected menu item and shows which keys can be used for that screen.

9.6 Using the Setup Navigator

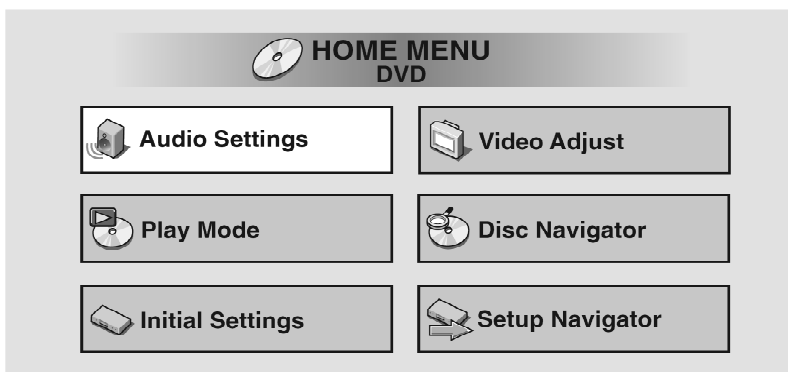
Using the Setup Navigator you can make a number of other initial settings for the VIP G3. We recommend using the Setup Navigator, especially if you connected the VIP G3 to an AV receiver for playing surround sound. To answer some of the questions about digital audio formats you may need to look at the instructions that came with your AV receiver.

1. If a disc is playing, press ■ (stop).

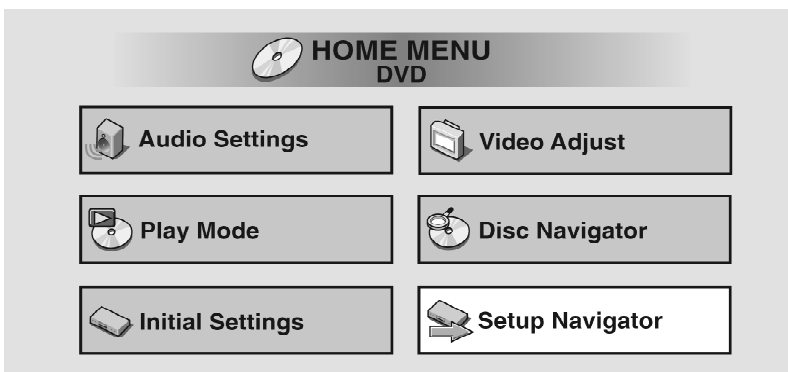
Also turn on your TV and make sure that it is set to the correct video input.

2. Please press the key **Home Menu** or **Guide**.

The on-screen display (OSD) appears.

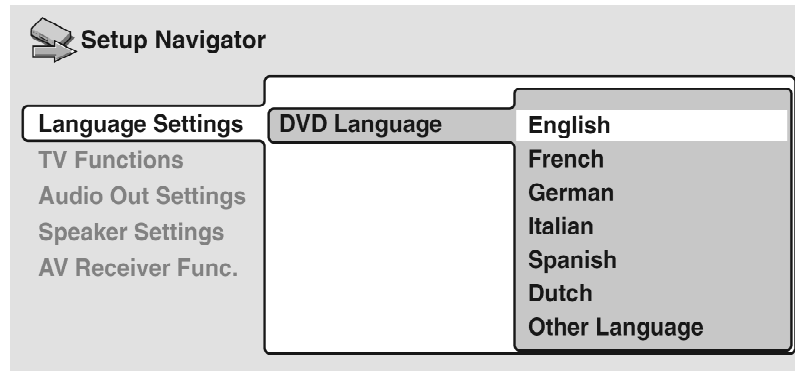


3. Select [Setup Navigator].



4. Select a DVD language.

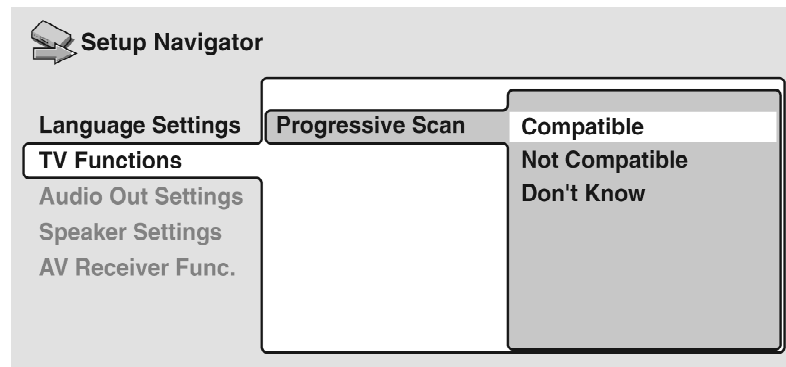
Some DVD discs feature on-screen menus, soundtracks and subtitles in several languages. Set your preferred language here.



- Note that the language you choose here may not be available on all discs.
- If you want to select a language other than those listed, select **[Other Language]**. For further information refer to section '*Selecting languages using the Language Code list*' on page 128.

5. Is your TV/monitor compatible with progressive scan video?

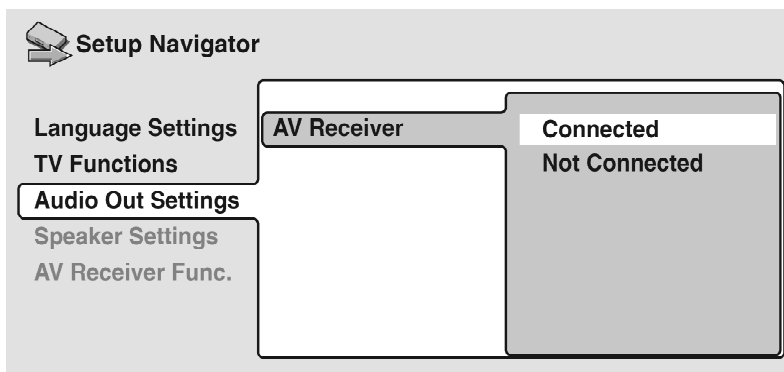
Select **[Compatible]**, **[Not Compatible]** or **[Don't Know]**.



- This setting is only applicable if you used the component video outputs to connect up your TV/monitor.

6. Did you connect this player to an AV-Receiver?

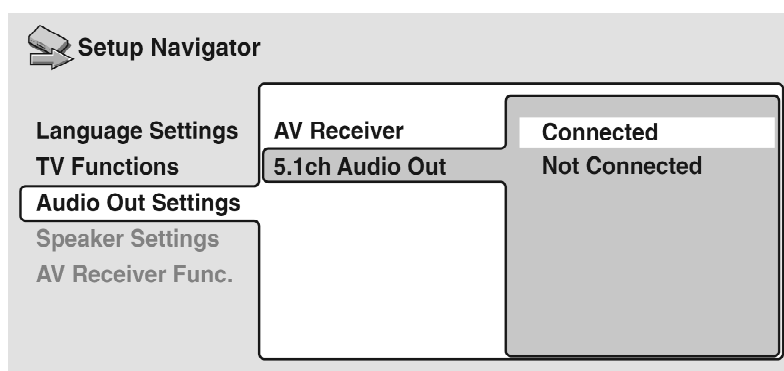
If you selected **[Not Connected]** here, that completes the setup. Press **OK** or **enter** to leave Setup Navigator.



The Setup Navigator screen shows a list of settings on the left: Language Settings, TV Functions, Audio Out Settings (highlighted), Speaker Settings, and AV Receiver Func. On the right, there are two tabs: 'AV Receiver' and 'Connected'. The 'Connected' tab is selected, showing 'Connected' and 'Not Connected' options. The 'Connected' option is highlighted.

7. Did you connect the 5.1 channel analog audio outputs to your AV receiver?

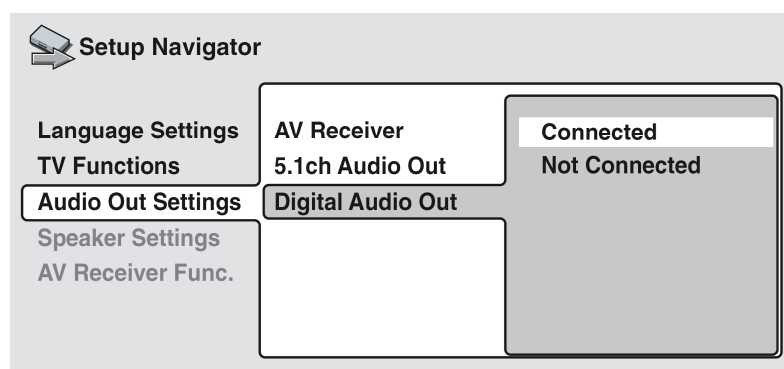
Select **[Connected]** or **[Not Connected]**.



The Setup Navigator screen shows a list of settings on the left: Language Settings, TV Functions, Audio Out Settings (highlighted), Speaker Settings, and AV Receiver Func. On the right, there are two tabs: 'AV Receiver' and '5.1ch Audio Out'. The '5.1ch Audio Out' tab is selected, showing 'Connected' and 'Not Connected' options. The 'Connected' option is highlighted.

8. Did you connect the VIP G3 to your AV receiver using the digital audio output?

Select **[Connected]** or **[Not Connected]**.



The Setup Navigator screen shows a list of settings on the left: Language Settings, TV Functions, Audio Out Settings (highlighted), Speaker Settings, and AV Receiver Func. On the right, there are two tabs: 'AV Receiver' and '5.1ch Audio Out'. The '5.1ch Audio Out' tab is selected, showing 'Connected' and 'Not Connected' options. The 'Connected' option is highlighted.

- If you selected **[Not Connected]** in both steps 7 and 8, that completes the setup. Press **OK** or **enter** to the Setup Navigator.

- If you selected **[Connected]** in step 7, then answer the following questions about the speakers in your system, otherwise jump to step 12.

9. Do you have a center speaker connected to your AV receiver?

Select **[Connected]** or **[Not Connected]**.

Setup Navigator

- Language Settings
- TV Functions
- Audio Out Settings
- Speaker Settings**
- AV Receiver Func.

Center Speaker	Connected
	Not Connected

10. Do you have surround speakers connected to your AV receiver?

Select **[Connected]** or **[Not Connected]**.

Setup Navigator

- Language Settings
- TV Functions
- Audio Out Settings
- Speaker Settings**
- AV Receiver Func.

Center Speaker	Connected
Surround Speakers	Not Connected

11. Do you have a subwoofer connected to your AV receiver?

Select **[Connected]** or **[Not Connected]**.

Setup Navigator

- Language Settings
- TV Functions
- Audio Out Settings
- Speaker Settings**
- AV Receiver Func.

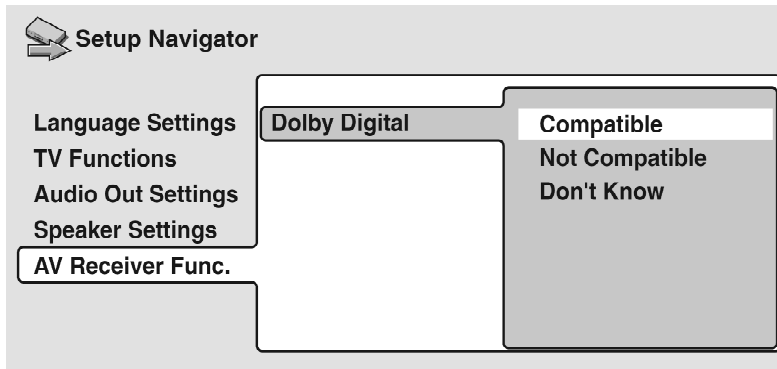
Center Speaker	Connected
Surround Speakers	Not Connected
Sub-woofer	Not Connected

- If you selected **[Not Connected]** in step 8, that completes the setup. Press **OK** or **enter** to leave the Setup Navigator.

Questions 12 through 15 are concerned with the digital decoding capabilities of your AV receiver.

12. Is your AV receiver Dolby Digital compatible?

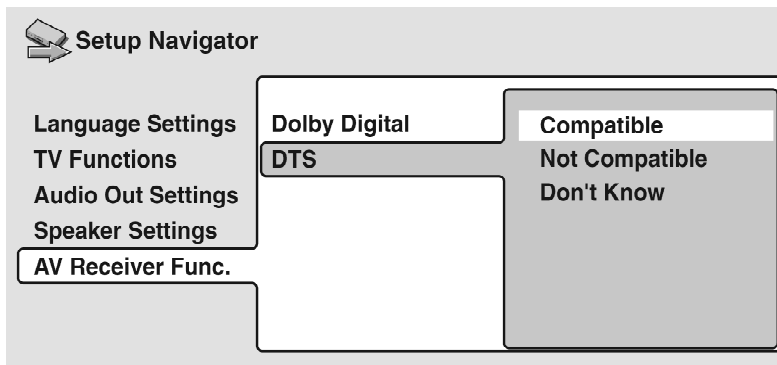
Select **[Compatible]**, **[Not Compatible]** or **[Don't Know]**.



The Setup Navigator screen displays a list of settings on the left: Language Settings, TV Functions, Audio Out Settings, Speaker Settings, and AV Receiver Func. (highlighted). On the right, the 'Dolby Digital' tab is selected, showing three options: Compatible (highlighted), Not Compatible, and Don't Know.

13. Is your AV receiver DTS compatible?

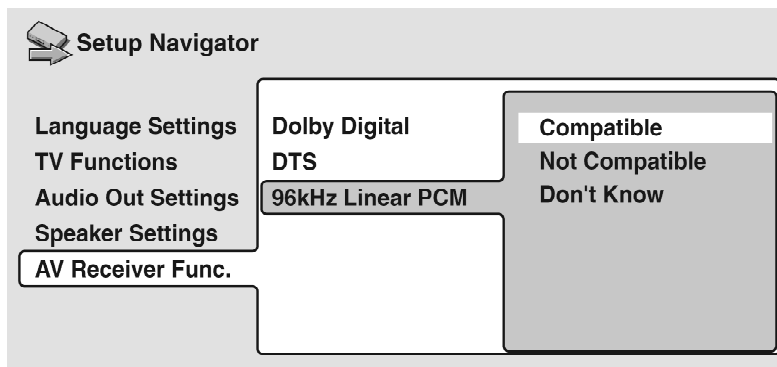
Select **[Compatible]**, **[Not Compatible]** or **[Don't Know]**.



The Setup Navigator screen displays a list of settings on the left: Language Settings, TV Functions, Audio Out Settings, Speaker Settings, and AV Receiver Func. (highlighted). On the right, the 'DTS' tab is selected, showing three options: Compatible (highlighted), Not Compatible, and Don't Know.

14. Is your AV receiver compatible with 96 kHz Linear PCM audio?

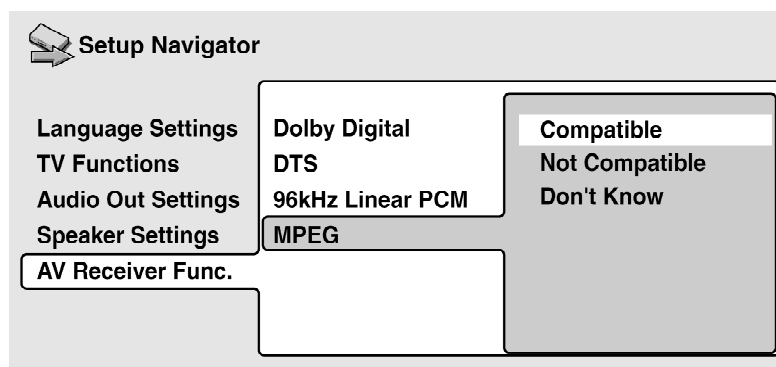
Select **[Compatible]** in any case. See section 'Linear PCM Out' on page 83 for details.



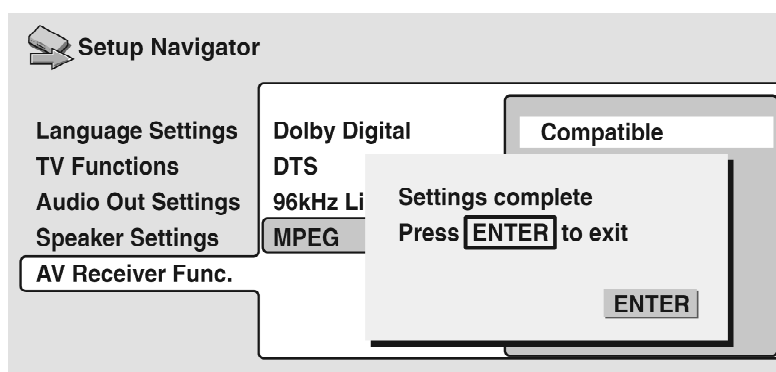
The Setup Navigator screen displays a list of settings on the left: Language Settings, TV Functions, Audio Out Settings, Speaker Settings, and AV Receiver Func. (highlighted). On the right, the '96kHz Linear PCM' tab is selected, showing three options: Compatible (highlighted), Not Compatible, and Don't Know.

15. Is your AV receiver MPEG compatible?

Select **[Compatible]**, **[Not Compatible]** or **[Don't Know]**.



16. Press **[OK] or **[enter]** to complete the setup, or press **[Home Menu]** or **[Guide]** to quit the Setup Navigator without making any changes.**



Congratulations, setup is complete!

9.7 *Playing discs*

The basic playback controls for playing DVD, CD, SACD, Video CD / Super VCD and MP3 discs are covered here. Further functions are detailed in the next chapter.



Important

- Throughout this manual, the term 'DVD' means DVD Video, DVD Audio and DVD-R/RW. If a function is specific to a particular kind of DVD disc, it is specified.
1. **If the VIP G3 isn't already on, press key power on the front panel or the key **Power On** or **Power Toggle** of the remote control *Harmony Ultimate One* in Device Mode for the VIP G3 to switch it on.**

If you are playing a DVD or Video CD/Super VCD, also turn on your TV and make sure that it is set to the correct video input.

2. **Please open the drawer on the top.**

Open the disc drawer on top of the unit by pushing it to the back using the handle.

3. **Insert a disc.**

Put a disc onto the spindle with its printed side facing up. Fix disc with included stabilizer ('Puck'). Please make sure that the stabilizer gives the disc a centred and level position. Close the disc drawer now.











Never load more than one disc at a time, and never use any additional stabilizers!

4. **Press the play key (▶) to start playback.**

If you are playing a DVD or a Video CD/Super VCD, a menu may appear. Refer to sections '*DVD disc menus*' on page 40 and '*Video CD/Super VCD PBC menus*' on page 40 for details on navigating through menus. If you're playing an MP3 disc, it may take a few seconds before playback starts, depending on the complexity of the file structure on the disc.

9.7.1 Basic playback controls

The table below shows the basic controls on the remote for playing discs. The following chapter covers more playback features in more detail.

Key	Function
	Starts playback. DVD and Video CD/Super VCD: If the display shows RESUME , playback starts from the resume point.
	Pauses a disc that is playing, or restarts a paused disc.
	Stops playback. DVD Video and DVD-RW and Video CD: Press  (Stop) again to cancel the resume function. The resume function is also cancelled when you open the drawer.
	Press to start fast reverse scanning. Press  (play) to resume normal playback.
	Press to start fast forward scanning. Press  (play) to resume normal playback.
	Skips to the start of the current track or chapter. Press again to skip to previous tracks/chapters.
	Skips to the next track or chapter.
Numbers	Use to enter a title/group/track number. Press enter to select (or wait a few seconds): If the disc is stopped, playback starts from the selected title / group (for DVD) or track number (for CD / SACD / Video CD / Super VCD / MP3). If the disc is playing, playback jumps to the start of the selected chapter or track (within the current group for DVD Audio).

9.7.2 Front panel controls

The **play** and **stop** keys on the front panel of the VIP G3 work in exactly the same way as their remote control equivalents. The **skip** key on the front panel works slightly differently from the remote keys. For forward scanning mode hold the key pressed. For skipping to the next track or chapter press the **skip** key only for a short time.



Important

- You may find with some DVD discs that some playback controls don't work in certain parts of the disc. This is not a malfunction.

9.7.3 DVD disc menus

Many DVD Video and DVD Audio discs contain menus from which you can select what you want to watch or listen to. They may give access to additional features, such as subtitle and audio language selection, or special features such as slideshows. See the disc packaging for details. Sometimes menus are displayed automatically when you start playback; others only appear when you press **Menu** or **Top Menu**.



Important

- Some DVD Audio discs feature a 'bonus group'. To access this group you have to input a password, which you can find on the disc's packaging. Refer to section 'Bonus Group' on page 99 for further information.

Key	Function
Top Menu	Displays the top menu of a DVD disc – this varies with the disc.
Menu	Displays a DVD disc menu – this varies with the disc and may be the same as the top menu.
▲ ▼ ◀ ▶	Moves the cursor around the screen.
OK or enter	Selects the current menu option.
Exit or Return	Returns to the previously displayed menu screen. On some DVD Audio discs featuring browsable pictures, press to display the browser screen.
Numbers	Highlights a numbered menu option (some discs only). Press enter to select (or wait a few seconds).

9.7.4 Video CD/Super VCD PBC menus

Some Video CD/Super VCDs have menus from which you can choose what you want to watch. These are called PBC (Playback control) menus. You can play a PBC Video CD/Super VCD without having to navigate the PBC menu by starting playback using a number key or the skip key ►► to select a track, rather than the ► (play) key.

Key	Function
Exit or Return	Displays the PBC menu.
Numbers	Use to enter a numbered menu option. Press enter to select (or wait a few seconds).
Cursor key ◀	Displays the previous menu page (if there is one).
Cursor key ▶	Displays the next menu page (if there is one).



FAQ (frequently asked questions)

- ***After I inserted a DVD disc, it is not played back!***

Most likely, the disc is the wrong region for your player. The region number should be printed on the disc; check it against the region number of the VIP G3. Refer to section '*About discs*' on page 23. If the region number is OK, it may be that the disc is damaged or dirty. Clean the disc and look for signs of damage. Refer to section '*Taking care of your player and discs*' on page 118. Check also that the disc is aligned properly in the disc drawer and that it is loaded label side up.

- ***Why won't the disc I loaded play?***

First check that you loaded the disc the right way up (label side up), and that it is clean and not damaged. See '*Taking care of your player and discs*' on page 118 for information on cleaning discs. If a disc loaded correctly won't play, it's probably an incompatible format or disc type, such as DVD-ROM. See section '*About discs*' on page 23 for more information on disc compatibility.

- ***There's no picture!***

Check the back panel and make sure that the video outputs are active. If they are not, activate them using switch **4** on the back panel. Refer to section '*Video outputs*' on page 140. Also make sure that if your TV is not compatible with progressive scan video, that the **PRGRSVE** indicator is not lit. If the indicator is lit, open the **HOME** **MENU** and set the **[Video Output]** format to interlace.

- ***I have a wide screen TV so why are there black bars at the top and bottom of the screen when I play some discs?***

Some movie formats are produced in a way that even when played on a wide-screen TV, black bars are necessary at the top and bottom of the screen to represent the correct aspect ratio. This is not a malfunction.

- ***I have a standard (4:3) TV and set the VIP G3 to show widescreen DVDs in Pan & Scan format, so why do I still get black bars at the top and bottom of the screen with some discs?***

Some discs override the display preferences of the VIP G3, so even if you have **[4:3 (Pan & Scan)]** selected, those discs will still be shown in letterbox format. This is not a malfunction.

- ***My DVD Audio disc starts playing, but then suddenly stops!***

The disc may have been illegally copied.

- ***My CD with MP3 tracks won't play!***

Make sure that the tracks are encoded in MPEG1 audio layer 3 format. See also section 'MP3 discs' on page 24.

- ***Some MP3 tracks don't show up. Where are they?***

Filenames that don't end with the extension '.mp3' won't be recognized by the VIP G3. Also, if there are more than 250 folders or tracks on the disc, only the first 250 are recognized. See also section 'MP3 discs' on page 24.

- ***There's no sound from the optical/coaxial outputs or the HDMI interface!***

Check on the back panel, if the digital outputs are active. If not, then use switch **[11]** to activate (position **L bit** or **H bit**) the digital outputs (digital audio only).

You won't hear any sound from the HDMI output if the source component is only DVI/HDCP-compatible.

If the i.LINK interface is active, all other audio outputs are switched off. Refer to section 'Audio Out' on page 114 for how to switch it off.

- ***My AV receiver is definitely compatible with 96/88.2 kHz Linear PCM audio, but it doesn't seem to work with this player. What's wrong?***

Make sure that you have activated the digital outputs. If not, turn the digital outputs on into LowBit Mode by setting switch **[11]** into position **L bit** (Low-Bit Mode). The HighBit Mode is only compatible with Audionet pre amplifiers like MAP V2.0 or MAP1. Refer to section 'Digital audio outputs' on page 143.

- ***I've connected the VIP G3 to a HDMI/DVI compatible component, but I can't get any sound!***

Make sure that you have selected the VIP G3 as the HDMI input in the settings for the component you are using. You may need to refer to the instruction manual of the component to do this. An HDMI connection can only be made with components compatible with both DVI and High Bandwidth Digital Content Protection (HDCP). Refer to section '*Connecting using HDMI*' on page 149 for more on HDMI compatibility.

- ***There's no picture from the HDMI output!***

Depending on the source material, you may not be able to get a picture from DVI-compatible sources. DVI sources must also be encoded using High Bandwidth Digital Content Protection (HDCP) for you to see a picture using the VIP G3. Refer to section '*Connecting using HDMI*' on page 149 for more on HDMI compatibility. Make sure the resolution on the VIP G3 matches that of the component you have connected using HDMI. Refer to section '*HDMI Settings*' on page 103 to change the HDMI resolution.

10 Playing discs

10.1 Introduction

Most of the features described in this section make use of on-screen displays. For an explanation of how to navigate these, refer to section '*Using the on-screen displays*' on page 30. Many of the functions covered in this section apply to DVDs, SACDs, Video CDs/Super VCDs, CDs and MP3 discs, although the exact operation of some varies slightly with the kind of disc loaded.

Some DVD discs restrict the use of some functions (random or repeat, for example). This is not a malfunction.

When playing Video CD/Super VCD discs, some of the functions are not available during PBC playback. If you want to use them, start playback using a number button to select a track.

10.2 Using the Disc Navigator to browse the contents of a disc

Use the Disc Navigator to browse through the contents of a disc to find the part you want to play. You can use the Disc Navigator when a disc is playing or stopped.

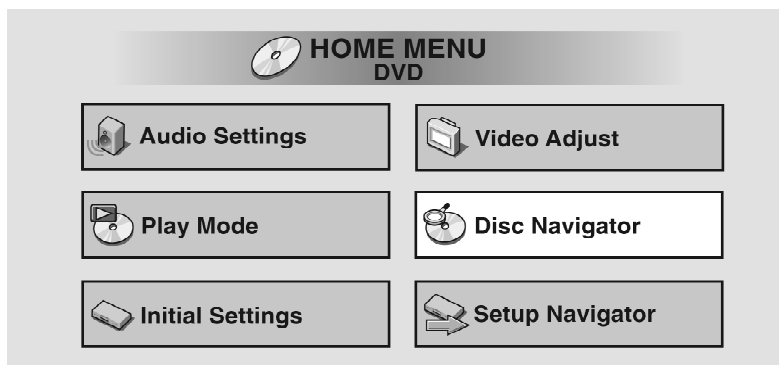


Important

- It's not possible to use the Disc Navigator when playing a Video CD / Super VCD in PBC mode, or when a DVD disc menu is displayed.

- Press **Home Menu** or **Guide** and select **[Disc Navigator]** from the on-screen display.

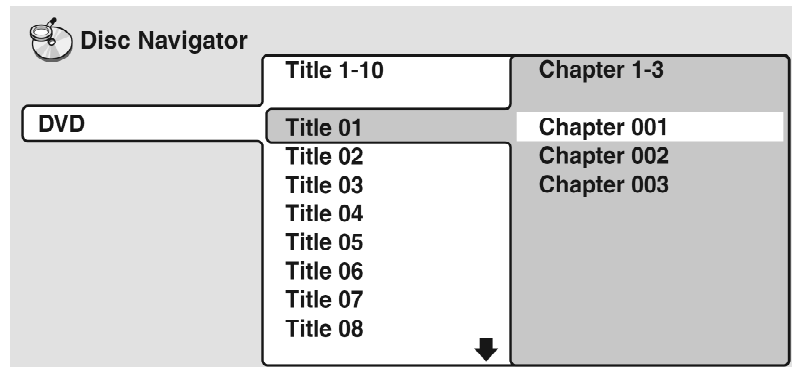
Alternatively, if a DVD-RW, CD, Video CD/Super VCD or MP3 disc is loaded, you can press **Menu**, which takes you straight to the Disc Navigator screen.



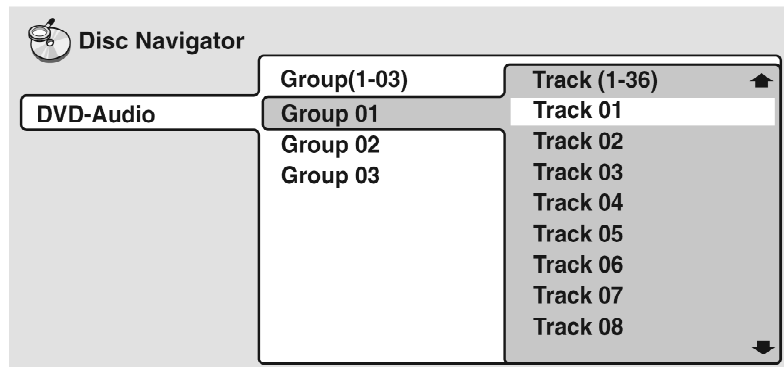
2. Select what you want to play.

Depending on the type of disc you have loaded, the Disc Navigator looks slightly different.

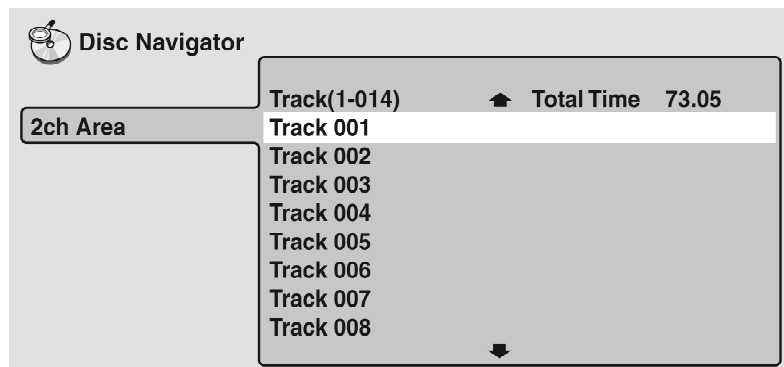
For DVD Video discs select a title, or a chapter within a title.



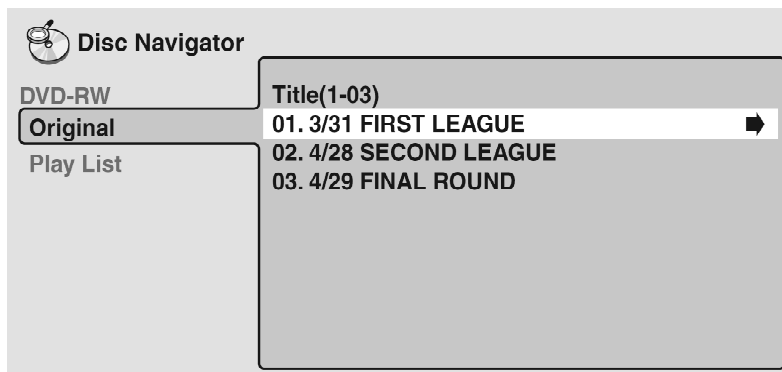
For DVD Audio discs select a group, or a track within a group.



For SACD discs select a track within the current playback area.



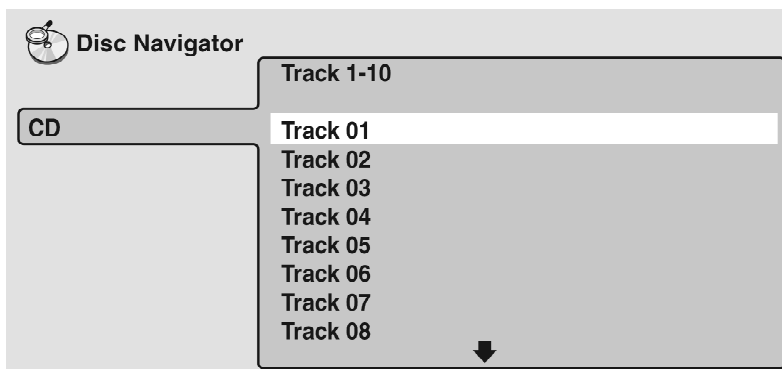
For a VR mode DVD-RW disc select between the Playlist and Original areas of the disc, or a title. Use cursor key ► to preview the title.



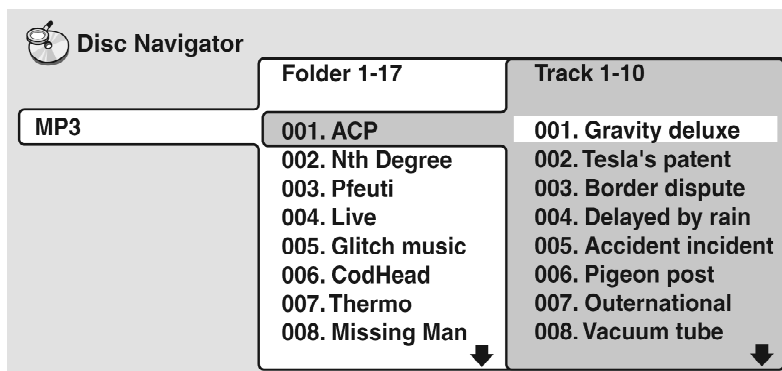
Important

- It's not possible to switch between Original and Playlist during playback.
- Not all DVD-RW discs have a Playlist.

For CDs and Video CD/Super VCDs select a track. The screen below shows a CD loaded.



For MP3 discs select a folder, or a track within a folder. Note that if a folder or track name contains accented or non-roman characters, they may show up with generic names like F_033, T_035, etc.



Playback starts after you press **OK** or **enter**.



Tip

- The Disc Navigator is not available unless there is a disc loaded.
- Another way to find a particular place on a disc is to use one of the search modes. Refer to section '*Searching a disc*' on page 65.

10.2.1 Scanning discs

You can fast-scan discs forward or backward at various speeds.

1. **You can fast-scan discs forward or backward at various speeds using ◀◀ or ▶▶ to start scanning.**
2. Press repeatedly to increase the scanning speed.
 - MP3s can only be scanned at one speed.
 - The scanning speed is shown on-screen.
3. **To resume normal playback, press ▶ (play).**
 - Sound can be heard while scanning SACDs, Audio CDs, and MP3 discs.
 - There is no sound while scanning DVDs and Video CD/Super VCDs, and no subtitles while scanning DVD Video.
 - Depending on the disc, normal playback may automatically resume when a new chapter is reached on a DVD Video disc.

10.3 *Playing in slow motion*

You can play DVD Videos, DVD-R/RW and Video CD/Super VCDs at four different forward slow motion speeds, and DVD Videos, DVD-R/RW also at two reverse speeds.

1. **During playback, press || (pause).**

2. Press and hold ◀◀ or ▶▶, until slow motion playback starts.

- The slow motion speed is shown on-screen.
- There is no sound during slow motion playback.

3. Press repeatedly to change the slow motion speed.

- The slow motion speed is displayed on-screen.

4. To resume normal playback, press ▶ (play).



Note

- You can't use slow motion playback with some titles on some DVDs.
- Video CD/Super VCD only supports forward slow motion playback.
- The picture quality during slow motion playback is not as good as during normal playback.
- Depending on the disc, normal playback may automatically resume when a new chapter is reached.
- For DVD Audio discs featuring browsable pictures (refer to glossary '*Browsable pictures (DVD Audio only)*' on page 128), press ◀◀ or ▶▶ to view the previous/next picture.

10.4 Frame advance/frame reverse

You can advance or back up DVD Video or DVD-RW discs frame-by-frame. With Video CD/Super VCDs, you can only use frame advance.

1. During playback, press || (pause).

2. Press ◀◀ or ▶▶ to reverse or advance a frame at a time.

3. To resume normal playback, press ▶ (play).



Note

- The picture quality when using frame reverse is not as good as frame advance.
- Depending on the disc, normal playback may automatically resume when a new chapter is reached.
- When changing direction of a DVD Video disc, the picture may 'move' in an unexpected way. This is not a malfunction.
- For DVD Audio discs featuring browsable pictures (refer to glossary '*Browsable pictures (DVD Audio only)*' on page 128), press ◀◀ or ▶▶ to view the previous/next picture.

10.5 Looping a section of a disc

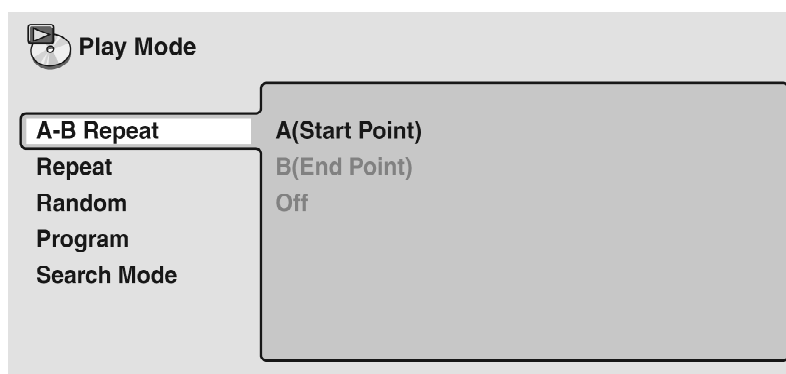
The **A-B Repeat** function allows you to specify two points (A and B) within a track (DVD Audio, CD and Video CD) or title (DVD Video and DVD-RW) that form a loop which is played over and over.



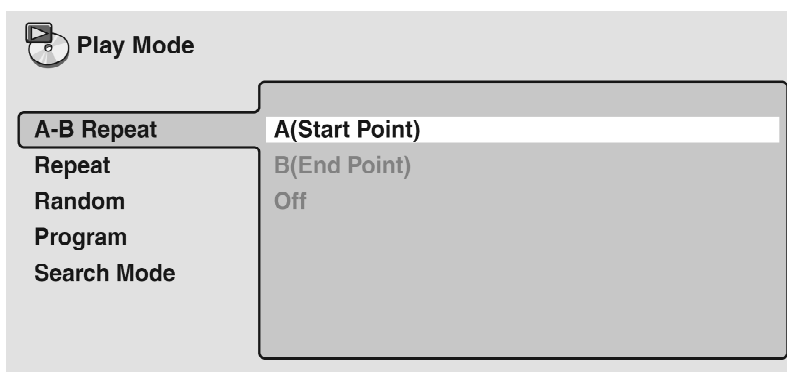
Important

- **A-B Repeat** is not available with SACDs, MP3s, Super VCDs or Video CDs in PBC mode, or while a DVD disc menu is being displayed.

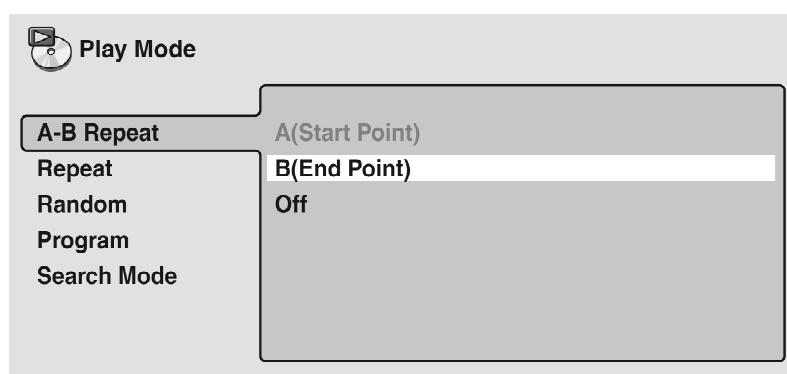
1. During playback, press **Play Mode** and select **[A-B Repeat]** from the list of functions on the left.



2. Press **OK** or **enter** on **[A (Start Point)]** to set the loop start point.



3. Press **OK** or **enter** on **[B (End Point)]** to set the loop start point.



After pressing **OK** or **enter** playback jumps back to the start point and plays the loop.

4. To resume normal playback, press **clear** or select **[Off]** from the menu.

10.6 Using Repeat Play

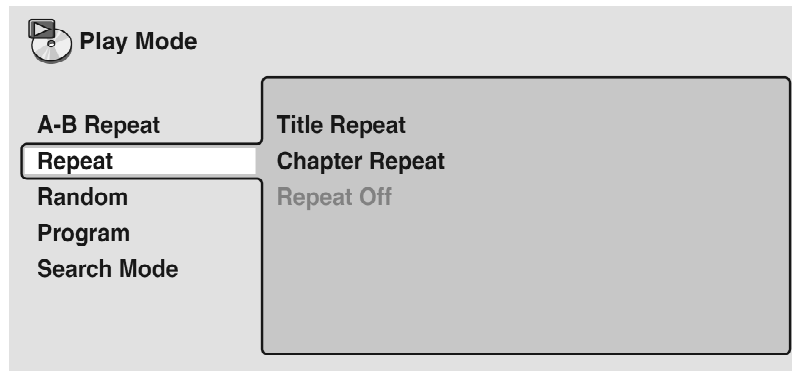
There are various **Repeat Play** options, depending on the kind of disc loaded. It's also possible to use **Repeat Play** together with program play to repeat the tracks / chapters in the program list (refer to 'Creating a program list' on page 54).



Important

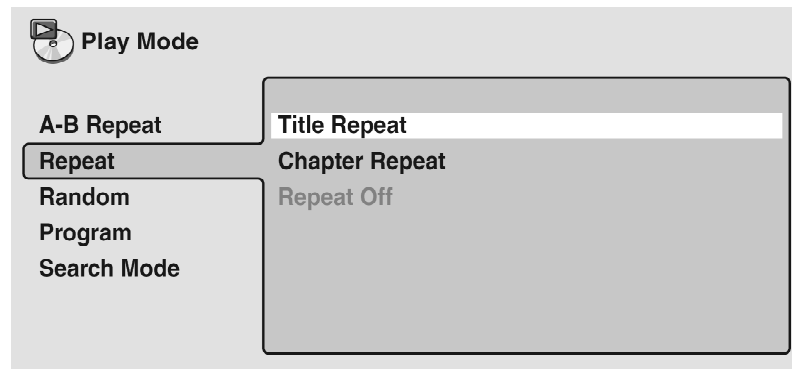
- **Repeat play** is not available with Video CD/Super VCDs in PBC mode, or while a DVD disc menu is being displayed.

1. During playback, press **Play Mode** and select **[Repeat]** from the list of functions on the left.



2. Select a Repeat Play option.

The **Repeat Play** options available depend on the type of disc loaded. The screen below appears when a DVD Video disc is loaded:



DVD Video and DVD-R/RW-Discs

- **Title Repeat**
- **Chapter Repeat**
- **Repeat Off**

DVD Audio-Discs

- **Group Repeat**
- **Track Repeat**
- **Repeat Off**

SACD, CD and Video CD/Super VCD-Discs

- **Disc Repeat**
- **Track Repeat**
- **Repeat Off**

MP3-Discs

- **Disc Repeat**
- **Folder Repeat**
- **Track Repeat**
- **Repeat Off**



Tip

- If you've made a program list, the **[Program Repeat]** option also appears as a repeat option.
- To stop the disc and cancel **Repeat Play**, press ■ (stop).
- You can also cancel **Repeat Play** without stopping playback by pressing **clear**. The disc will play to the end, then stop.



Note

- You can't use **Repeat** and **Random Play** at the same time.
- If you switch camera angle during **Repeat Play**, **Repeat Play** is cancelled.

10.7 Using Random Play

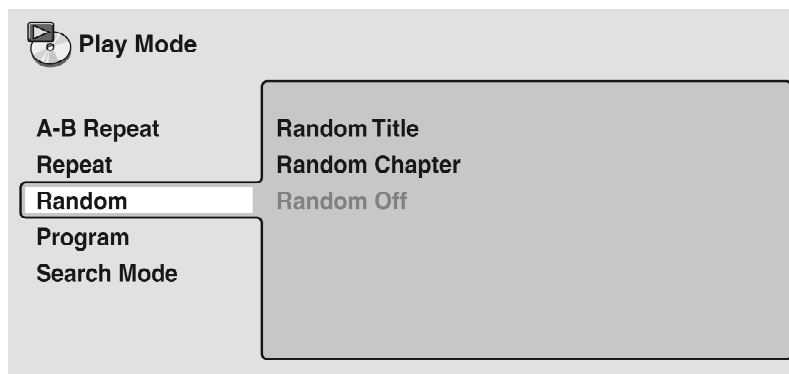
Use the **Random Play** function to play titles or chapters (DVD Video), groups or tracks (DVD Audio), or tracks (CD, Video CD/Super VCD and MP3 discs) in a random order. You can set the **Random Play** option when a disc is playing or stopped.



Important

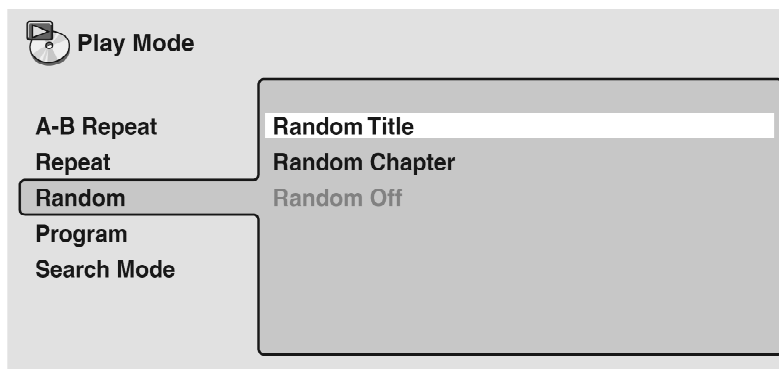
- You can't use **Random Play** with SACDs, DVD-RWs, Video CD / Super VCDs playing in PBC mode, or while a DVD disc menu is being displayed.

1. Press **Play Mode** and select **[Random]** from the list of functions on the left.



2. Select a random play option.

The **Random Play** options available depend on the type of disc loaded. The screen below appears when a DVD Video disc is loaded.



DVD Video-Discs

- **Random Title**
- **Random Chapter**
- **Random Off**

DVD Audio-Discs

- **Random Group**
- **Random Track**
- **Random Off**

MP3, CD und Video CD/Super VCD-Discs

- **On**
- **Off**



Tip

- To stop the disc and cancel **Random Play**, press ■ (stop).
- You can also cancel **Random Play** without stopping the disc by pressing **clear**. The disc will play to the end, then stop.
- During **Random Play**, the ◀◀ and ▶▶ keys function a little differently to normal: ◀◀ returns to the beginning of the current track/chapter. You can't go back further than this. ▶▶ selects another track/chapter at random from those remaining.
- You can't use **Random Play** together with **Program** or **Repeat Play**.

10.8 Creating a program list

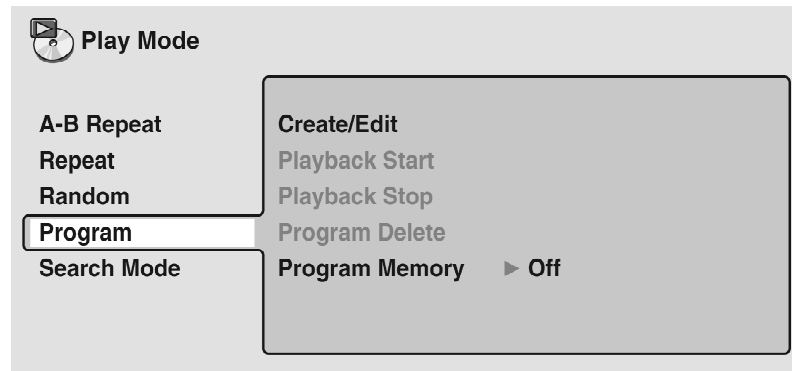
This feature lets you program the play order of titles / groups / chapters / folders / tracks on a disc.



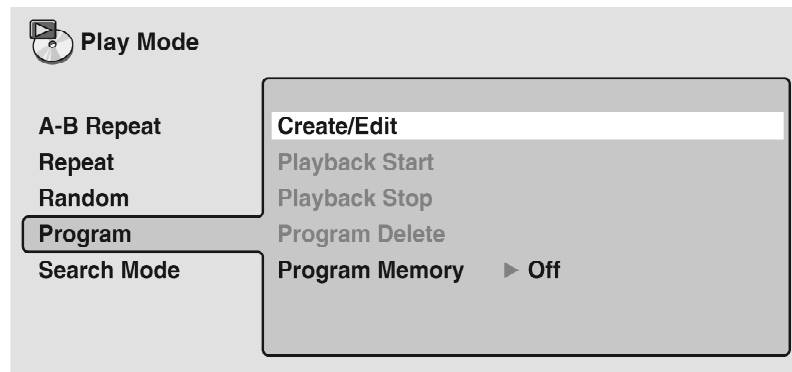
Important

- **Program play** is not available with DVD-RWs, Video CD/Super VCDs playing in PBC mode, or while a DVD disc menu is being displayed.

1. Press **Play Mode** and select **[Program]** from the list of functions on the left.



2. Select **[Create/Edit]** from the list of program options.

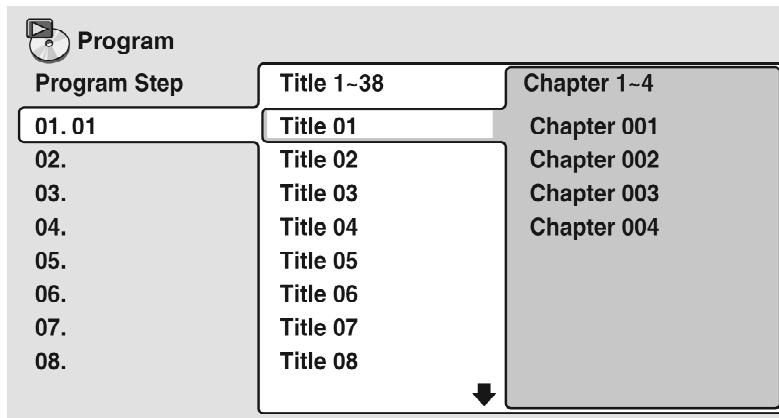


Which kind of program edit screen appears, depends on the kind of disc loaded. On the left side is the program list, then to the right is a list of titles (if a DVD Video disc is loaded), groups (for DVD Audio), tracks (for SACDs, CDs and Video CD/Super VCDs), or folders (for MP3 discs). On the far right is a list of chapters (for DVD Video) or tracks (for DVD Audio and MP3).

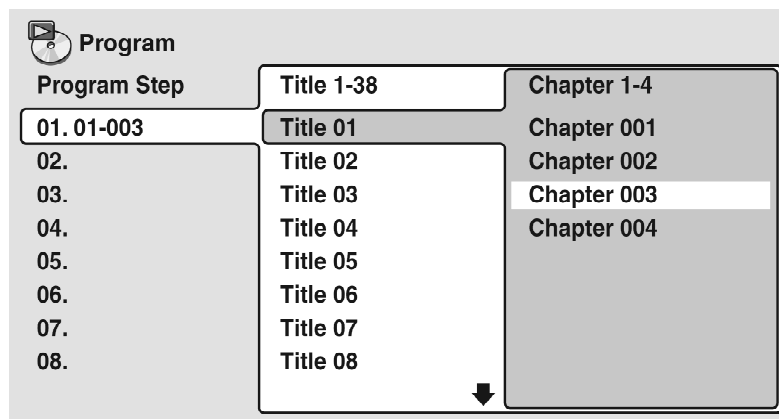
3. Select a title, chapter, group, folder or track for the current step in the program list.

For a DVD disc, you can add a whole title, or a chapter within a title to the program list.

- To add a title, select the title.

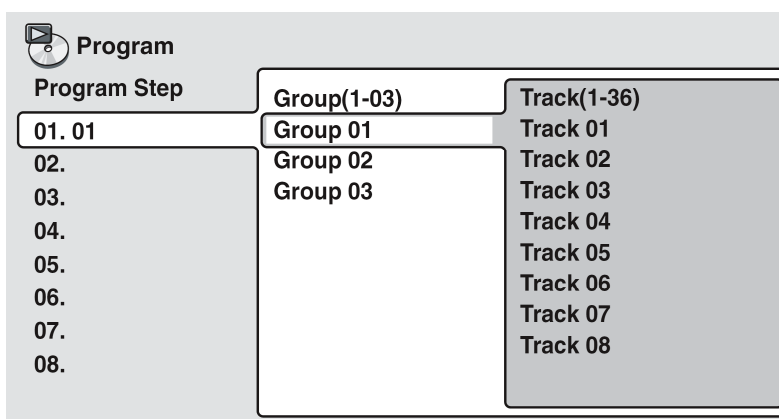


- To add a chapter, first highlight the title, then move the cursor right and select a chapter from the list.

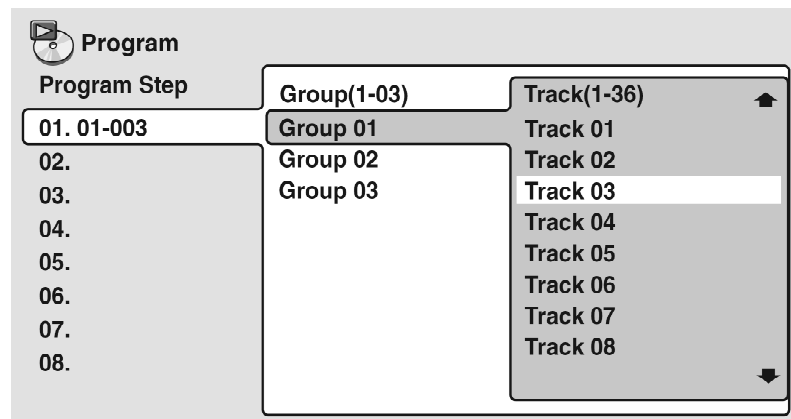


For a DVD Audio disc, you can add a whole group, or a track within a group to the program list.

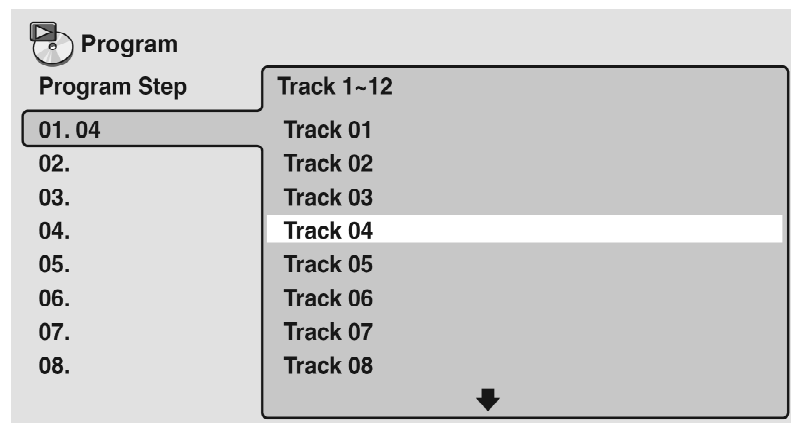
- To add a group, select the group.



- To add a track, first highlight the group, then move the cursor right and select a track from the list.

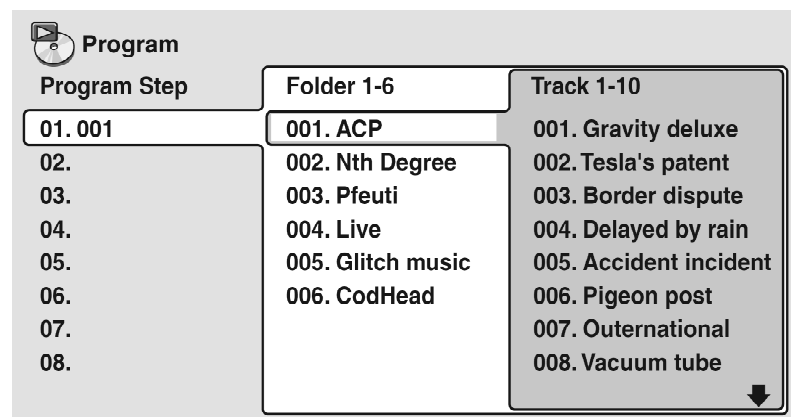


For SACD, CD or Video CD/Super VCD, select a track to add to the program list. The screen below shows a CD loaded:

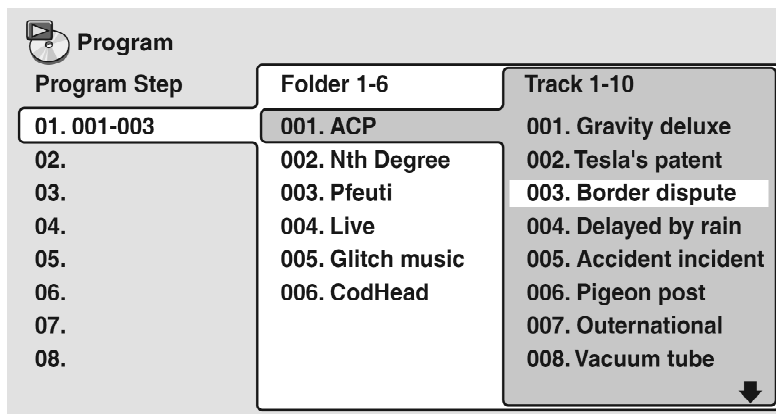


For an MP3 disc, you can add a whole folder, or a track within a folder to the program list.

- To add a folder, select the folder.



- To add a track, first find the folder, then move the cursor right and select a track name from the list.



After pressing **OK** or **enter** to select the title/group/chapter/folder/track, the step number automatically moves down one.

4. Repeat step 3 to build up a program list.

A program list can contain up to 24 titles/chapters/groups/folders/tracks.

5. Please press **►** (play) to playback the program list.

Program Play remains active until you turn off **Program Play** (see below), erase the program list (see below), open the disc drawer or switch off the VIP G3.



Tip

- To exit the program edit screen without starting playback, press **Play Mode** or **Home Menu** or **Guide**. Don't press **Return** or **Exit**. Your program list would be lost.
- During **Program Play**, press **►►** to skip to the next program step.
- Press **clear** during playback (though not if the program list OSD is displayed) to switch off program play. Press **clear** while stopped to erase the program list.

10.8.1 Editing a program list

After creating a program list, you can add, delete and change steps.

1. Press **Play Mode** and select **[Program]** from the list of functions on the left.

2. Select **[Create/Edit]** from the list of program options.
3. To clear a step, highlight the step number and press **clear**.
4. To insert a step in the middle of the program list, highlight the step where you want the new step to appear, then select a title/group/chapter/folder/track to add.

After pressing **OK** or **enter**, the new step is inserted into the list.

5. To add a step to the end of the program list, highlight the next free step then select a title/group/chapter/folder/track to add.



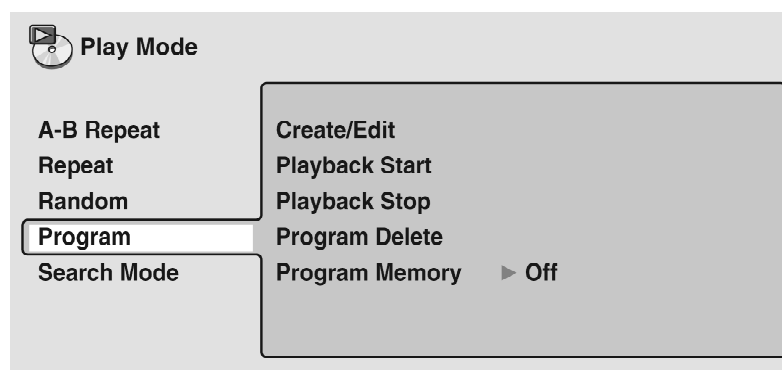
Tip

- To exit the program edit screen without starting playback, press **Play Mode** or **Home Menu**.
- If you want to exit the program edit screen without saving the changes you made, press **Return** or **Exit**.

10.8.2 Other functions available from the Program menu

As well as creating and editing a program list, you can start and stop **Program Play**, erase the program list, and memorize a DVD program list from the Program menu.

1. Press **Play Mode** and select **[Program]** from the list of functions on the left.



2. Select a program play function.

[Create/Edit] – Refer to 'Creating a program list' on page 54.

[Playback Start] – Starts playback of a saved program list.

[Playback Stop] – Turns off program play, but does not erase the program list.

[Program Delete] – Erases the program list and turns off **Program Play**.

[Program Memory] (DVD Video only) – Select **[On]** to save the program list for the disc loaded. Select **[Off]** to cancel the program memory for the disc loaded.



Tip

- After saving a program list using the **[Program Memory]** feature, whenever you load that disc, the program list is automatically recalled and **Program Play** switched on.
- You can save program lists for up to 24 discs. After that, the oldest one is replaced with the new one saved.

10.9 Using the comfort keys

The comfort keys are developed for pure audio operations without any use of on-screen menus. Therefore, you can use these function with your TV set switched off. Primarily designed for CD usage, the comfort keys work with other disc types, too, but maybe limited or not at all (it will be explained in the following sections). In this case, use the identical functions from the on-screen menu (refer to section '*Looping a section of a disc*' on page 49 and following).

10.9.1 Track Repeat

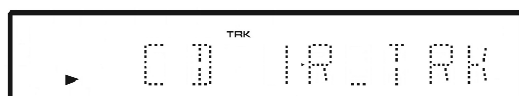
With the **Repeat** function you can repeat a track of the disc or the complete disc in a loop.

1. Press **Repeat** on the remote control once to activate the Repeat Track function.

Initially the display reads:



One moment later the display changes to:



CD identifies the loaded disc type, **1** is the number of the track to be repeated, and **R_TRK** indicates that the **Repeat Track** function is active.

2. To end the repeat function, press key **clear** once or the key **Repeat** twice (with an MP3 disc running three times).

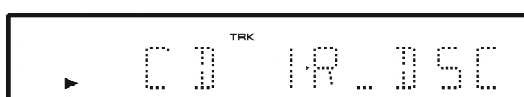
10.9.2 Disc repeat

1. Press key **Repeat** on the remote control twice to activate the Disc Repeat function.

Initially the display reads:



One moment later the display changes to:



CD identifies the loaded disc type, **1** is the number of the track to be repeated, and **R_DISC** indicates that the **Repeat Disc** function is active.

2. To end the repeat function, press key **clear** or the key **Repeat** (with an MP3 disc running press key twice).



Important

- If you playback a **SACD**, you can repeat a track as well as the complete selected area. Press key **Repeat** repeatedly to switch through the different repeat modes in the following order:

REPEAT TRK (repeat track)
↓
REPEAT ALL (repeat area).

- If you playback a **DVD Audio**, you can repeat a track as well as the selected group. Press key **Repeat** repeatedly to switch through the different repeat modes in the following order:

REPEAT TRK (repeat a track)
↓
REPEAT GRP (repeat a group).

- If you playback a **MP3 disc**, you can repeat a track, the selected folder or the complete disc. Press key **Repeat** repeatedly to switch through the different repeat modes in the following order:

REPEAT TRK (repeat track)
 ↓
 REPEAT FLD (repeat folder)
 ↓
 REPEAT DSC (repeat disc).

10.9.3 Looping a section

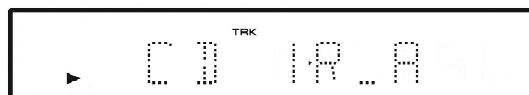
The **A-B Repeat** function allows you to specify two points (A and B) within a track (DVD Audio, CD and Video CD) or title (DVD Video and DVD-RW) that form a loop which is played over and over.

- Press key **Repeat A-B** on the remote control to activate the function **A-B repeat**.

Initially the display reads:



One moment later the display changes to:



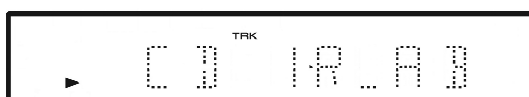
CD identifies the loaded disc type, **1** is the number of the track to be repeated, and **1R_A** indicates that point A is now set for the function **A-B Repeat**.

- Press key **Repeat A-B** to select the end point of the loop (point B).

Initially the display reads:



One moment later the display changes to:



After you selected end point B the loop starts playing at start point A and will be played back until point B in an endless loop.

3. To quit the Repeat function press key **clear**.



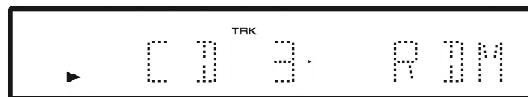
Important

- **A-B Repeat** is not available with SACDs, MP3s, Super VCDs or Video CDs in PBC mode, or while a DVD disc menu is being displayed.
- If you playback a DVD Audio, the **A-B Repeat** functions works like described above.

10.9.4 Random play

1. Press key **Random** on the remote control to activate the **Random Play** function.

The display indicates that the **Random Play** function is active.






CD identifies the loaded disc type, **3** is the number of the track currently played back and **RDM** indicates that the **Random Play** function is now active. During **Random Play**, the **⏮** and **⏭** keys function a little differently to normal: **⏮** returns to the beginning of the current track/chapter. You can't go back further than this. **⏭** selects another track/chapter at random from those remaining.

2. To quit Random Play, press key **clear**.



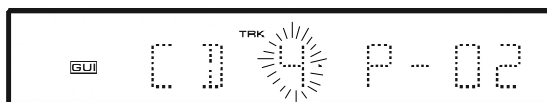
Important

- You can't use **Random Play** with SACDs, DVD-RWs, Video CD / Super VCDs playing in PBC mode, or while a DVD disc menu is being displayed.
- If you playback a DVD Audio, press key **Random** once and **Ent.** or  to activate the **Random Track** function. Press key **Random** once and **Ent.** or  to activate the **Random Group** function.
If you have your TV set active, you will get support from the on-screen display showing a flashing **Random Track** or **Random Group** before you select the corresponding function by pressing **Ent.** or .
- The **Random Play** function works with MP3 discs in the same way as it does with Audio CDs. All tracks, not matter in which folders they are located, are played back randomly.



10.9.5 The program function

Use this function to program a play list of titles/groups/chapters/folders/tracks of your preferred order.

1. Press key **Program** on the remote control once to enter the program mode.

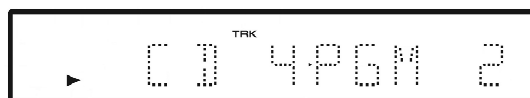


CD identifies the loaded disc type, the flashing 4 is the number of the title you currently selected, and P-02 tells you the current number of already programmed titles.

2. Use keys   to select the title you would like to add to your program list, and confirm your selection by pressing **OK** or **enter**.

Repeat step 2 until your play list is complete. If you want to leave the program mode without saving the compiled play list, press **Program** or **Return** or **Exit**.

3. Press **▶ (play)** to end the program mode, save your compiled play list and start playback.



Use key **clear** to leave your play list during playback and resume directly normal playback mode. Press **■ (stop)** to end playback. But the program list will remain in the memory of the VIP G3. To start playback the saved play list again, press key **Program** and then **▶ (play)**.

4. To delete a title from the play list press key **Program**, then cursor key **◀**. Use cursor keys **▲** and **▼** to select the title you would like to delete and confirm with key **clear**.

Erase the complete play list by deleting every title in the list. Of course, you can also use the methode described in section "Other functions available from the Program menu" on page 59 to delete the play list.



Note

- If you have compiled a play list (program), you can select the repeat mode option **Program Repeat** when you use the key **Repeat** or the on-screen display to enter repeat mode.



Important

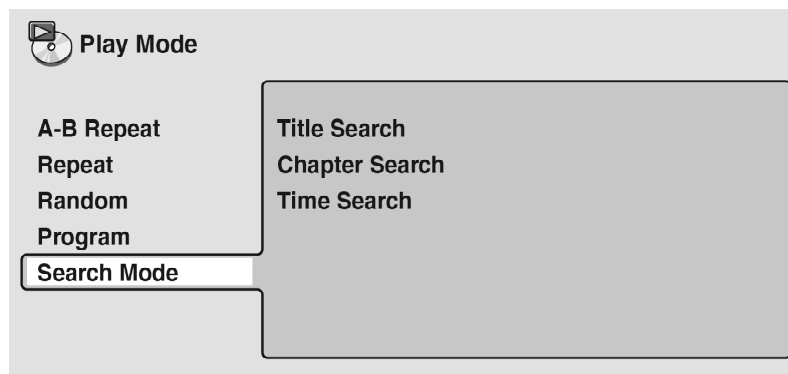
- If you create a play list from a SACD, it works just like programming from an Audio CD. You can select tracks to be entered in the play list from the current selected area only.
- If you create a play list from a DVD Audio or MP3 disc, use cursor keys ▲ and ▼ to select the group/folder where the track to be programmed next is located in first. Then press cursor key ► to get to the chapter/track selection. Now select the track to be programmed into the play list with cursor keys ▲ and ▼ and add it to the list with **OK** or **enter**. To get back to the group/folder selection use cursor key ◀.
- For further information about the program function please refer to section 'Creating a program list' on page 54.

10.10 Searching a disc

Using the **[Search Mode]** function from the **[Play Mode]** menu you can quickly jump to a particular part of the disc that you're watching or listening to.

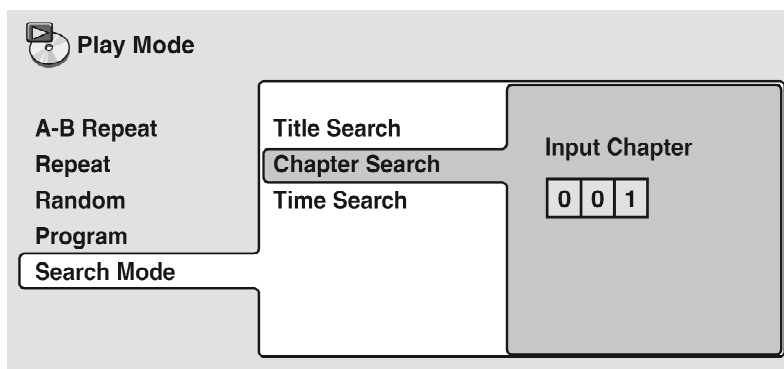
1. Press key **Play Mode** and select **[Search Mode]** from the list of functions on the left.

The search options that appear depend on the kind of disc loaded. The screen below shows the DVD Video search options:



2. Select a search mode.

3. Use the **number keys** to enter a title, group, chapter, folder or track number, or a time.



- For a **Time Search**, enter the number of minutes and seconds into the currently playing title (DVD Video/DVD-RW) you want playback to resume from. For example, press **4**, **5**, **0** and **0**, to have playback start from 45 minutes into the disc. For 1 hour, 20 minutes and 30 seconds, press **8**, **0**, **3** and **0**.
 - Some DVD Audio discs feature pages of browsable pictures. Enter the number of the page you would like to go to.
4. Press **OK** or **enter** to start playback.



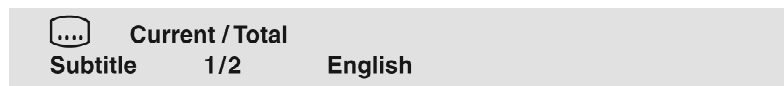
Note

- You can only use **Time Search** with Video CDs und DVD Video discs.
- The disc must be playing in order to use **Time Search** (except Video CD).
- Search functions are not available with Video CD in PBC mode. Start non-PBC playback by stopping playback, then pressing **▶▶**, then **▶** (play).
- You can often select what you want to watch from a DVD disc menu. Refer also to section '*DVD disc menus*' on page 40.

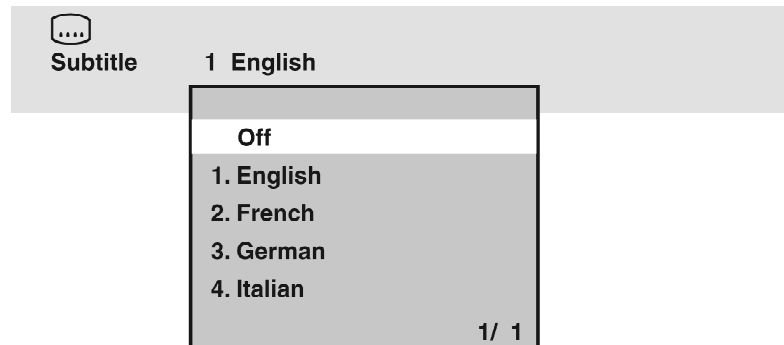
10.11 Switching subtitles

Some DVD discs have subtitles in one or more languages; the disc box will usually tell you which subtitle languages are available. You can switch subtitle language during playback.

1. Press **Subtitle** repeatedly to select subtitle option.



While the above display is showing, you can also use the cursor keys ▲ and ▼ and **OK** or **enter** to select a subtitle language from a drop-down menu.



Note

- Some discs only allow you to change subtitle language from the disc menu. Press **Top Menu** to access.
- To set the subtitle preferences, see section '*Subtitle Language*' on page 89.

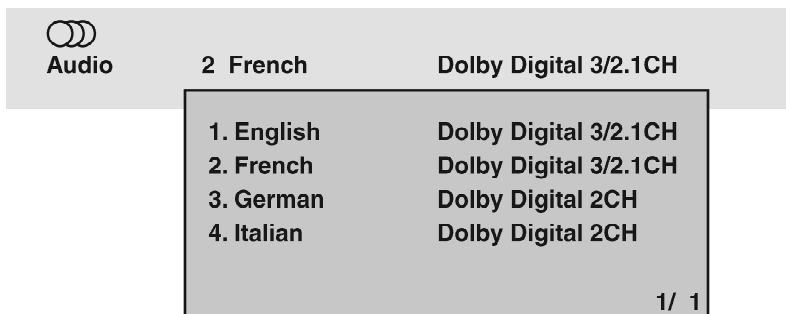
10.12 Switching the DVD Audio language

When playing a DVD disc recorded with dialog in two or more languages, you can switch audio language during playback.

1. Press **Audio** repeatedly to select an audio language option.



With some discs, while the above display is showing, you can also use the cursor keys ▲ and ▼ and **OK** or **enter** to select an audio language from a drop-down menu.



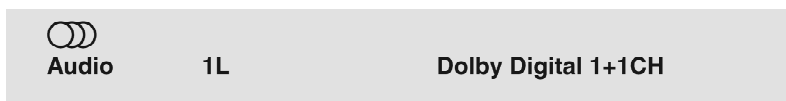
Note

- Some discs only allow you to change audio language from the disc menu. Press **Top Menu** to access.
- To set audio language preferences, see section '*Audio Language*' on page 88.

10.13 Switching the DVD-RW audio channels

When playing a DVD-RW disc recorded with dual-mono audio, you can switch between the main, sub, and mixed channels during playback.

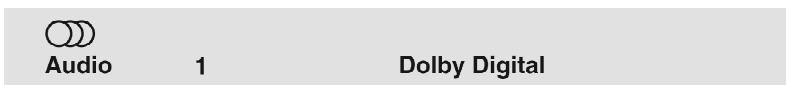
1. Press **Audio** repeatedly to select an audio channel option.



10.14 Switching the DVD Audio channels

Depending on the disc, you may be able to switch channels when playing DVD Audio discs – see the disc box for details.

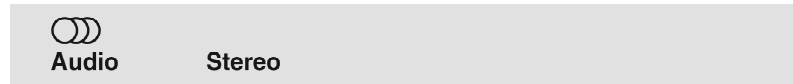
1. Press **Audio** repeatedly to select an audio channel option.



10.15 Switching the CD/MP3/Video CD/Super VCD audio channels

You can switch between stereo, just left channel or just right channel of a CD / MP3 / Video CD / Super VCD. To change the audio channel of a CD it must be playing.

1. Press **Audio** repeatedly to select an audio channel.



10.16 Switching camera angles

Some DVD discs feature scenes shot from two or more angles – check disc box for details. When a multi-angle scene is playing, a camera icon appears on the screen to let you know that other angles are available. This feature can be switched off if you prefer – refer to section 'Angle Indicator' on page 93.

1. During playback (or when paused) press **Angle** to switch angle.

10.17 Displaying disc information

Various track, chapter and title information, as well as the video transmission rate for DVD discs, can be displayed on-screen.

1. During playback, press **OSD** or **Info** to show/switch the information displayed.

Keep pressing **OSD** or **Info** to change the displayed information.

- DVD Video displays

Play	DVD			
	Current / Total	Elapsed	Remain	Total
Title	11/38	2.05	4.57	7.02
Audio	1. French Dolby Digital 3/2.1CH	Subtitle	1. English	1 Angle




Play	DVD			
	Current / Total	Elapsed	Remain	Total
Chapter	11/38	2.05	4.57	7.02
Tr. Rate				8.6Mbps

The # mark displayed with some DVD Video discs means that the video is playing at 24 frames/second, progressive. This is the original cinema frame rate.

When the disc is paused, the display also shows the frame number:



Pause		DVD			
Current / Total		Elapsed		Remain	Total
Chapter	2/36	0.06	15	1.40	1.46
Tr. Rate :		■■■■■■■■■■			6.0Mbps

- DVD Audio displays

Play		▶ DVD-Audio			
Current / Total		Elapsed	Remain	Total	
Track	1/14	3.20	2.41	6.01	
 1 Linear PCM		 --		 1	
Audio	192kHz 24bit 2/0CH	Subtitle		Angle	

Play		▶ DVD -Audio			
Current / Total		Elapsed	Remain	Total	
Group	1/3	3.21	53.20	56.41	
Tr. Rate :		<div><div></div></div>			9.5Mbps

- DVD-RW displays

Play	▶	DVD-RW	Original	
Current / Total		Elapsed	Remain	Total
Title	1/32	0.08	30.22	30.30
 1		 --		
Audio Dolby Digital	2/0CH	Subtitle		

Play	▶	DVD-RW	Original	
Current / Total				
Chapter	1/1			
Tr. Rate	■■■■■	4.3Mbps		

- SACD displays

▶

SACD

	Current / Total	Elapsed	Remain	Total
Track	1/14	0.13	4.21	4.34

▶

SACD

	Current / Total	Elapsed	Remain	Total
Track	1/9	0.22	3.38	4.00
<div> <div> <div></div> <div></div> <div></div> </div> <div>3/2.1CH</div> </div> <div>Audio</div>				

▶

SACD

	Elapsed	Remain	Total
Disc	0.05	73.00	73.05

During multi-channel playback only:

During multi-channel playback only:

- CD and Video CD displays

Play	▶	CD		
	Current / Total	Elapsed	Remain	Total
Track	2/16	1.07	4.40	5.47

Play	▶	CD		
		Elapsed	Remain	Total
Disc		28.00	30.20	58.20

During PBC playback only:

Play	▶	VCD		
------	---	-----	--	--

With Super VCDs, only the elapsed time is displayed.

- MP3 disc displays

Play	▶	MP3		
	Current / Total	Elapsed	Remain	Total
Track	1/17	0.18	12.42	13.00
Track Name	Outernational			

Play	▶	MP3		
	Current / Total			
Folder	2/7			
Folder Name	ACP			



Tip

- You can see disc information (number of titles/chapters, groups tracks, folders and so on) from the Disc Navigator screen. Refer to section *'Using the Disc Navigator to browse the contents of a disc'* on page 44.

11 Audio Settings menu

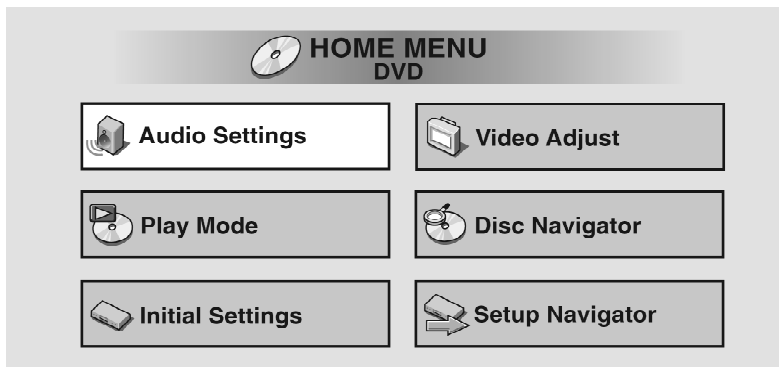
11.1 Audio DRC

- Default setting: **[Off]**

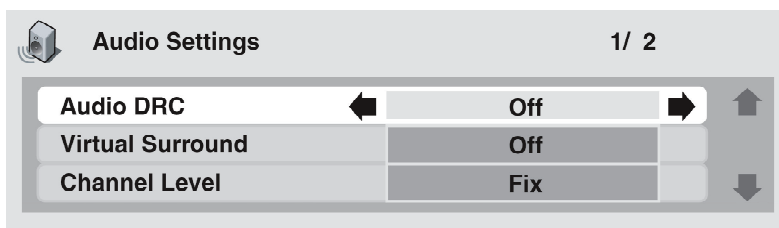
When watching Dolby Digital DVDs at low volumes, it's easy to lose the quieter sounds completely – including some of the dialog. Switching **[Audio DRC]** (Dynamic Range Control) to **[On]** can help by bringing up the quieter sounds, while controlling loud peaks.

How much of a difference you hear depends on the material you're listening to. If the material doesn't have wide variations in volume, you may not notice much change.

1. Press **[Home Menu]** or **[Guide]** and select **[Audio Settings]** from the on-screen display.



2. Highlight **[Audio DRC]** and use cursor keys ◀ and ▶ to change to **[On]** or **[Off]** as required.



3. Press **[OK]** or **[enter]** to make the setting and exit the **[Audio Settings]** screen.



Note

- **Audio DRC** is only effective with Dolby Digital audio sources.
- **Audio DRC** is only effective through the digital output when **[Dolby Digital Out]** is set to **[Dolby Digital > PCM]** (refer to page 82). Please

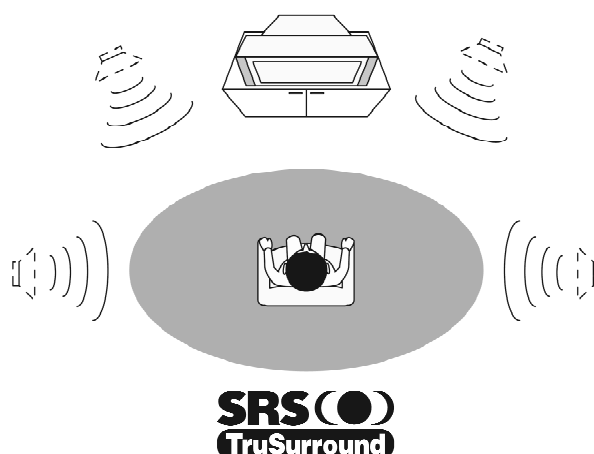
make sure that the digital outputs of the VIP G3 are active. Switch **11** on the back panel has to be in either position **H bit** or **L bit** (refer to section 'Digital audio outputs' on page 143).

- The effect of **Audio DRC** depends on your speakers and AV receiver settings.

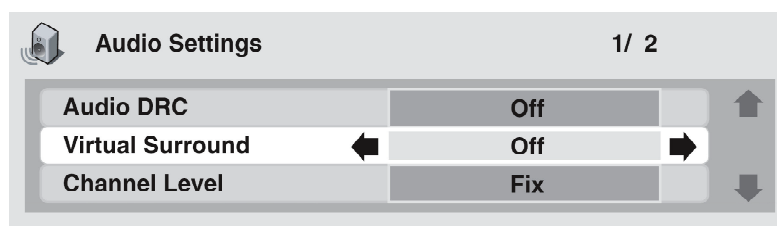
11.2 Virtual Surround

- Default setting: **[Off]**

Switch on Virtual Surround to enjoy surround sound effects from just two speakers. When you play a Dolby Digital or Pro Logic encoded source, TruSurround technology from SRS produces a deep, realistic 3D soundscape from a pair of stereo speakers. SRS TruSurround is a process certified by Dolby Laboratories for Virtual Dolby Digital sound.



1. Press **Home Menu** or **Guide** and select **[Audio Settings]** from the on-screen display.
2. Highlight **[Virtual Surround]**, then use cursor keys **◀** and **▶** to change to **[V/ SRS TruSurround]** or **[Off]**, as required.



3. Press **OK** or **enter** to make the setting and exit the **[Audio Settings]** screen.



Tip

- You can also use the key **Surround** on the remote control to switch Virtual Surround on (**V / SRS TruSurround / Off**).



Note

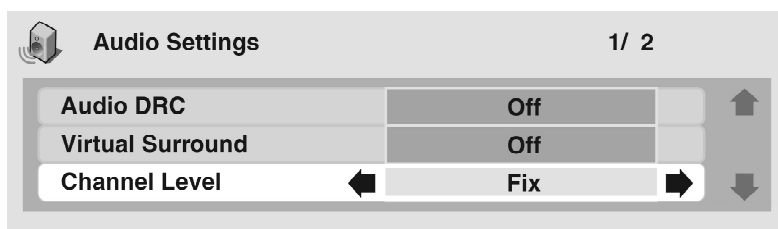
- Virtual Surround does not work with CD, MP3, DVD Audio or SACD discs, or 96 kHz Linear PCM soundtracks.
- Make sure that **[Audio Output Mode]** is set to **[2 Channel]** (refer to section 'Audio Output Mode' on page 108).
- How good the surround effect is varies with the disc.

11.3 Channel Level

- Default setting: **[Fix]**

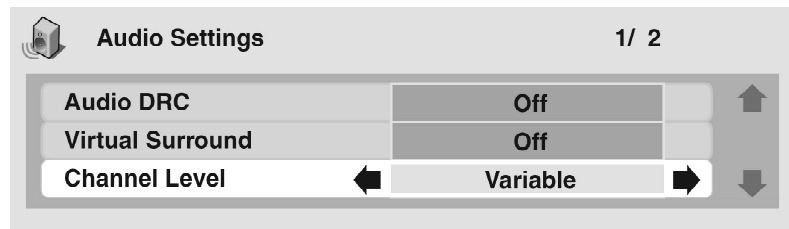
The setting allows you to set the level of each channel sent to the 5.1 channel analog outputs.

- Press **Home Menu** or **Guide** and select **[Audio Settings]** from the on-screen display.
- Highlight **[Channel Level]**, then use the cursor keys **◀** and **▶** to change to **[Fix]** or **[Variable]**, as required.

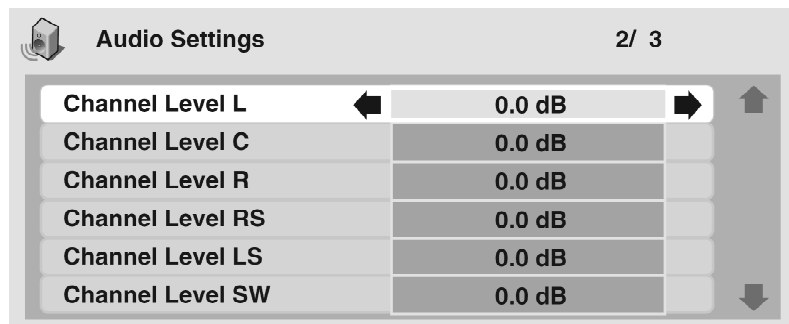


- Fix** – Channel levels are fixed, but you can set the speaker distances.
- Variable** – You can specify variable channel levels as well as speaker distances.

3. If you chose **[Variable]**, use the cursor key ▼ to proceed to the next screen.



4. **[Variable]** setting only: Set the channel levels for each speaker.



- Use the cursor keys ▲ and ▼ to select a speaker.
 - Use cursor keys ◀ and ▶ to adjust the channel level for that speaker.
 - Channel levels can be set from **[−6 dB]** to **[+6 dB]** in 0.5 dB increments.
5. Press **OK** or **enter** to make the settings and exit the **[Audio Settings]** screen.



Note

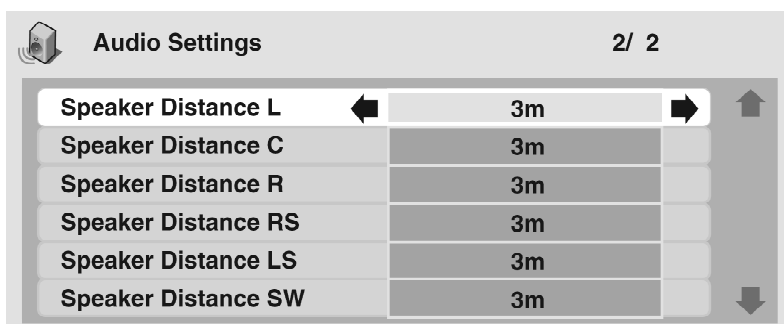
- You can't adjust the channel level for any speakers that are set to **[Off]** on the screen **[Speaker Installation]** (refer to section '*Speaker Installation*' on page 109).
- The **[Fix]** setting is equivalent to setting all the channel levels to **[+6 dB]**. Therefore, the **[Variable]** setting will usually sound *quieter* than the **[Fix]** setting.

11.4 Speaker Distance

- Default setting: all speakers **[3 m]**

To get the best surround sound from your system, you should set up the speaker distances from your listening position.

1. Press **Home Menu** or **Guide** and select **[Audio Settings]** from the on-screen display.
2. Move the cursor down using cursor key **▼** until you reach the **Speaker Distance** setting screen.



- Use cursor keys **▲** and **▼** to select a speaker.
- Use cursor keys **◀** and **▶** to adjust the distance from your listening position to your speaker.

Front left/right (**L/R**) speaker distances can be set from **[30 cm]** to **[9 m]** in 10 cm increments.

The center speaker (**C**) and the subwoofer (**SW**) can be set from **[-2 m]** to **[+2 m]** relative to the front left/right speakers.

Surround left/right (**LS/RS**) speakers can be set from **[-6 m]** to **[+2 m]** relative to the front left/right speakers.

When you adjust the front left (**L**) or front right (**R**) speaker, all the other speaker distances are adjusted relative to that speaker.

3. Press **OK** or **enter** to make the settings and exit the **[Audio Settings]** screen.



Note

- The speaker distance settings have no effect on SACD playback. The channel level settings, however, do apply.

12 Video Settings menu

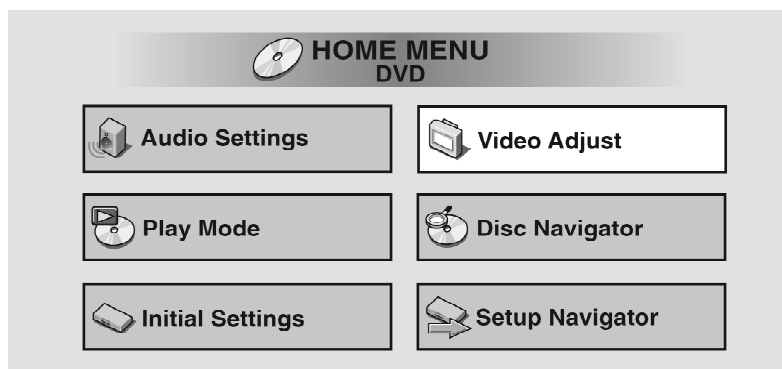
12.1 Video Adjust

- Default setting: **[Professional]** or (when connected using HDMI) **[Direct]**.

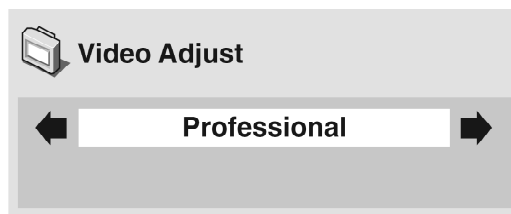
From the **[Video Adjust]** screen you can select the standard video presentation or define presets of your own.

1. Press **Home Menu** or **Guide** and select **[Video Adjust]** from the on-screen display.

You can also access these settings by pressing **Video Adjust**.



2. Use the cursor keys ◀ and ▶ to select a preset:



- **TV (CRT)** – Optimized for a regular CRT TV.
- **PDP** – Optimized display for a plasma display screen.
- **Professional** – Optimized for a professional video monitor.
- **Memory 1-3** – Use for saving your own presets (see below).

When the HDMI output is connected, the following options appear instead:

- **Direct** – The picture appears simply according to how the source was encoded.
- **Natural** – Edges are softer making this setting good for movies.

- **Enhanced** – Edges are sharper making this setting ideal for animation and material with computer generated effects.
 - **Memory 1–3** – Use for saving your own presets (see below).
3. Press **OK** or **enter** to make the setting and exit the **[Video Adjust]** screen.



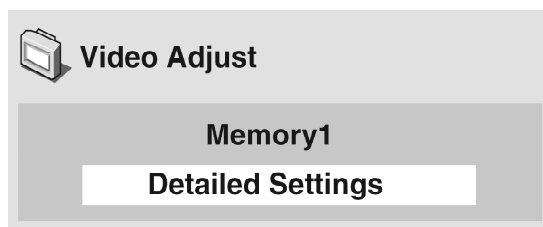
Note

- Depending on the disc and the TV/monitor, you may not see the effect clearly.

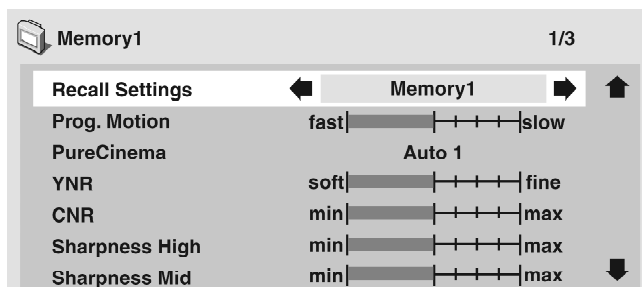
12.2 Creating your own presets

You can create up to three presets of your own.

1. Select one of the Memory presets (see above).
2. Use cursor key ▼ to select **[Detailed Settings]**, then press **OK** or **enter**.



3. Adjust the picture quality settings.



- Use cursor keys ▲ and ▼ to select a setting.
- Use cursor keys ◀ and ▶ to adjust the current setting.
- Press **OSD** or **Info** to switch between full and single view.

- You can recall the preset number from the **[Recall Settings]** menu item.

You can adjust any or all of the following picture quality settings:

- **Prog. Motion** – Adjusts the motion and still picture quality when the VIP G3 is set to progressive video output. This has no effect when the bar is in the middle position.
- **PureCinema** – When watching DVD movies, PureCinema optimizes the picture quality. The default setting is **[Auto1]**, but if the picture appears unnatural, then set to **[Auto2]**, **[On]** or **[Off]**, as appropriate.
- **YNR** – Adjusts the amount of noise reduction in the Y (brightness) part of the video signal.
- **CNR** – Adjusts the amount of noise reduction in the C (colour) part of the video signal.
- **Sharpness High** – Adjusts the sharpness of the high-frequency (detailed) elements in the picture.
- **Sharpness Mid** – Adjusts the sharpness of the mid-frequency (less detailed) elements of the picture.
- **Detail** – Adjusts the sharpness of edges in the picture.
- **White Level** – Adjusts the intensity of white.
- **Black Level** – Adjusts the intensity of black.
- **Black Setup** – Setup to correct the floating black colour for better 3-dimensional realism.
- **Gamma** – Adjusts the brightness of darker images.
- **Hue** – Adjusts the overall colour balance between red and green.
- **Chroma Level** – Adjusts how saturated colours appear.
- **Chroma Delay** – Adjust to correct the gap between the Y and C components in the video signal.

When the HDMI output is connected, the following options also appear:

- **HDMI Detail** – Adjusts the sharpness of edges in the HDMI video signal.
4. Press **OK** or **enter** to save the preset and exit the **[Video Adjust]** screen.



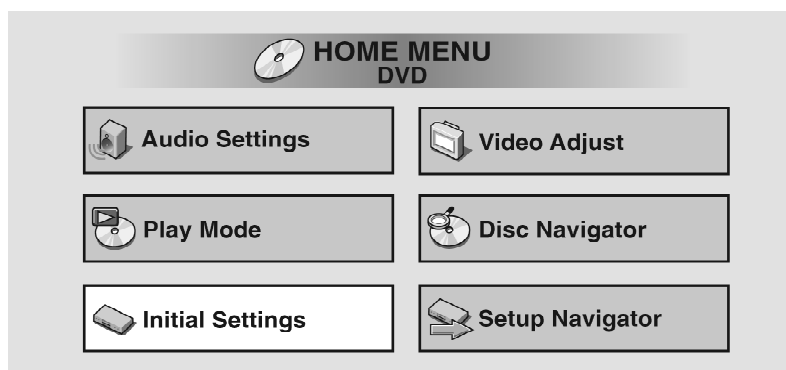
Note

- Video on DVD discs may be either video material (originally shot on video) or film material (originally shot on film). Video material has a frame rate of 30 frames/sec (NTSC) or 25 frames/sec (PAL), compared with 24 frames/sec for film. This player converts film material to 60 frames/sec (in progressive scan mode). **[PureCinema]** adjusts the picture so that it matches more closely the picture quality of a cinema screen. You can see whether video on a DVD disc is film or video material by displaying the video transmission rate (see '*Displaying disc information*' on page 69). If a hash mark (#) appears next to the transmission rate display, it is film material.

13 Initial Settings menu

The **[Initial Settings]** menu gives you complete control in setting up your VIP G3, including audio, and video output settings, audience limitation settings, among others. If an option is greyed out it means that it cannot be changed at the current time. This is usually because a disc is playing. Stop the disc, then change the setting.

1. Press **Home Menu** or **Guide** and select **[Initial Settings]** from the on-screen display.



2. Select the setup category from the list on the left, then select an item from the menu list to the right.
3. Make the setting you want.



Note

- The language options shown in the on-screen display illustrations on the following pages may not correspond to those available in your country or region.

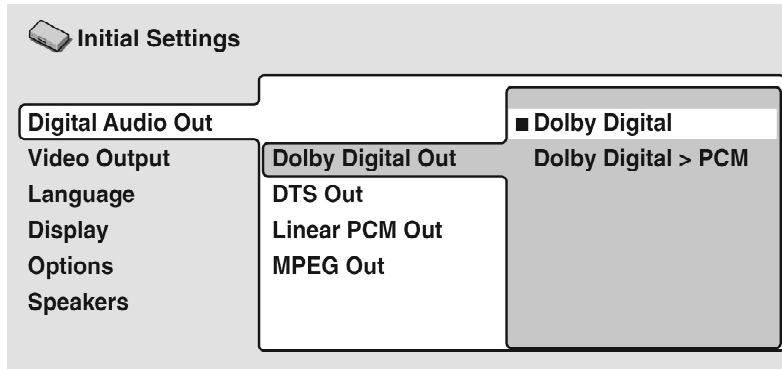
13.1 Digital Audio Out settings

- None of the **[Digital Audio Out]** settings affect the audio output from the i.LINK interface. For i.LINK settings, please refer to section '*i.LINK Setup*' on page 114.

13.1.1 Dolby Digital Out

- Default setting: **[Dolby Digital]**

*You only need to make this setting if you connected the VIP G3 to an AV receiver (or other component) using one of the digital outputs **[13]** or **[16]** to **[19]**.*



If your AV receiver (or other connected component) is Dolby Digital compatible, set to **[Dolby Digital]**, otherwise set to **[Dolby Digital > PCM]**.



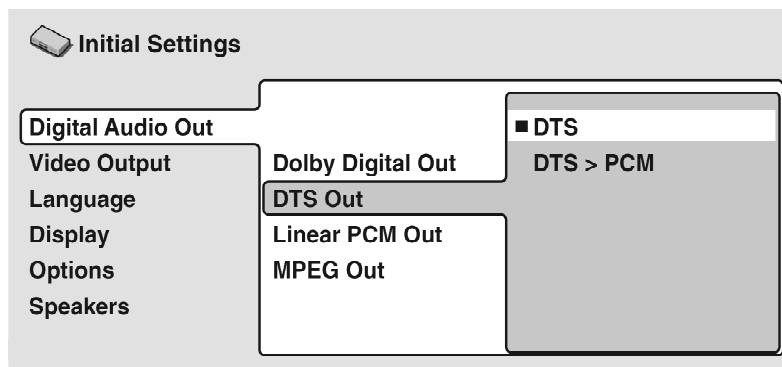
Note

- If you have a component connected that is not Dolby Digital compatible and the option **[Dolby Digital Out]** is set to **[Dolby Digital]**, you might hear heavy noise from the speakers, if you playback a Dolby Digital sound-track.

13.1.2 DTS Out

- Default setting: **[DTS]**

*You only need to make this setting if you connected the VIP G3 to an AV receiver (or other component) using one of the digital outputs **[13]** or **[16]** to **[19]**.*



If your AV receiver (or other connected component) has a build-in DTS decoder, set this to **[DTS]**, otherwise set to **[DTS > PCM]**. DTS audio is converted to more compatible PCM audio). Check the manual that came with the other component if you're unsure whether it is DTS-compatible.

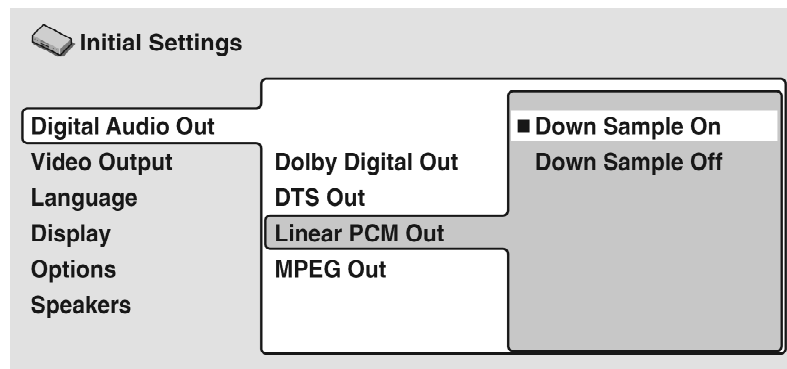


Note

- If you set **[DTS Out]** to **[DTS]** with a non-DTS compatible amplifier, noise will be output when you play a DTS disc.
- This setting applies only to DTS audio on DVDs. DTS-CDs always output DTS digital audio as-is, regardless of this setting.

13.1.3 Linear PCM Out

- Default setting: **[Down Sample Off]**

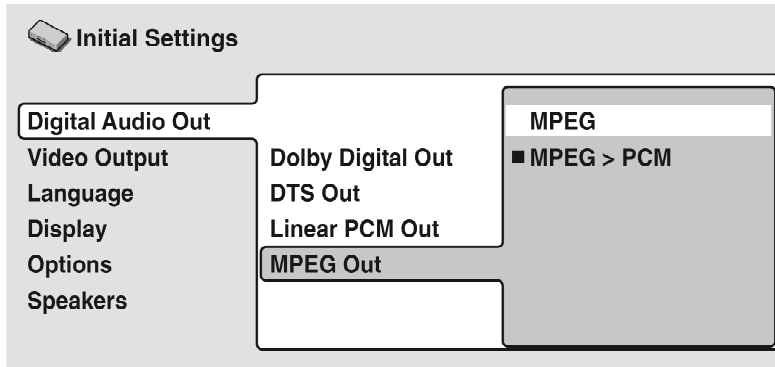


Make sure this is always set to **[Down Sample Off]**. Setting to **[Down Sample On]** has no function. Please refer to section '*Digital output formats*' on page 145 to determine which sample rate is available at which digital output depending on the disc format and output mode please refer to section '*Digital output formats*' on page 145.

13.1.4 MPEG Out

- Default setting: **[MPEG > PCM]**

*You only need to make this setting if you connected the VIP G3 to an AV receiver (or other component) using one of the digital outputs **[13]** or **[16]** to **[19]**.*

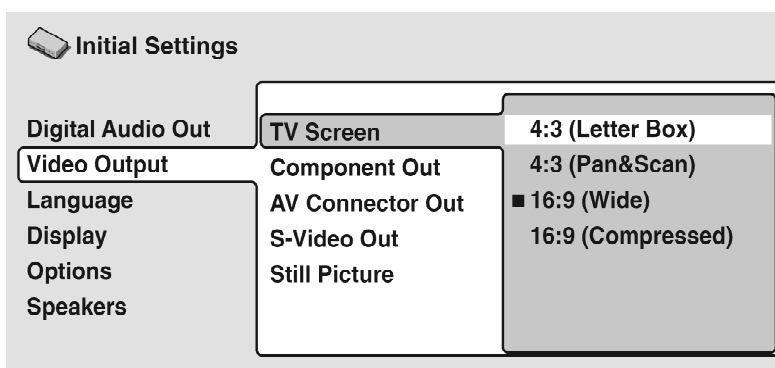


If your AV receiver (or other connected component) is compatible with MPEG audio, set this to **[MPEG]**, otherwise set it to **[MPEG > PCM]**. MPEG audio is then converted to more compatible PCM audio. Check the manual that came with the other component if you're unsure whether it is MPEG audio compatible.

13.2 Video Output settings

13.2.1 TV Screen

- Default setting: **[16:9 (Wide)]**



If you have a widescreen TV, select the **[16:9 (Wide)]** setting – widescreen DVD software is then shown using the full screen area. When playing software in conventional **4:3** format, the setting on your TV will determine how the material is presented – see the manual that came with your TV for details on what options are available.

When set to **[16:9 (Compressed)]**, progressive scan 4:3 material is shown with black bars on either side of the screen.

If you have a conventional TV, select either **[4:3 (Letter Box)]** or **[4:3 (Pan&Scan)]**. In **Letterbox** mode, widescreen software is shown with black bars at the top and bottom of the screen. **Pan & Scan** chops the sides off wide-screen material to make it fit the 4:3 screen. So even though the image looks larger on the screen, you're actually seeing less of the picture. See also section 'Screen sizes and disc formats' on page 121.



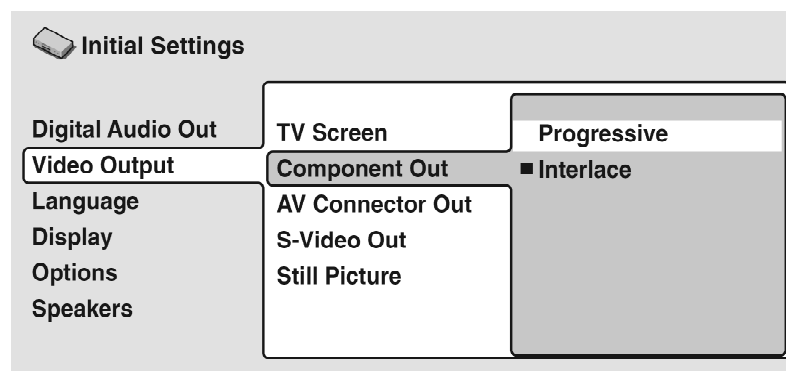
Note

- You can't change the video output setting when an HDMI component is connected.

13.2.2 Component Out

- Default setting: **[Interlace]**

*You only need to make this setting if you connected the VIP G3 to your TV using the component video outputs **[1]** to **[3]**.*



If you have a progressive-scan compatible TV, set this to **[Progressive]** for flicker-free video output. If your TV is not compatible with progressive-scan video, set to **[Interlace]**. Check the operating instructions that came with your TV if you're unsure about its compatibility.



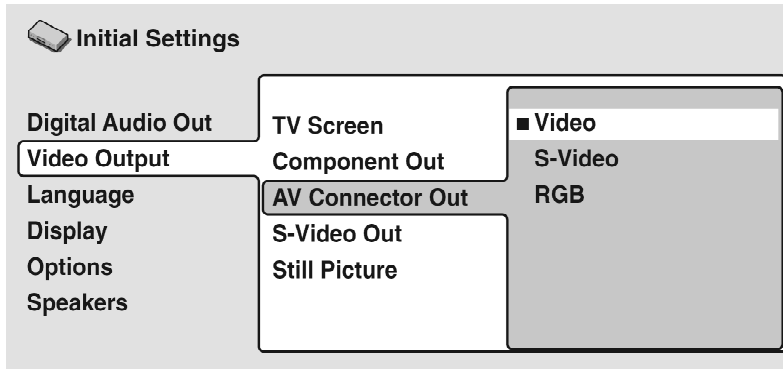
Note

- The VIP G3 is compatible with both PAL and NTSC progressive scan formats. However, your TV must also be progressive scan compatible to take advantage of this feature.
- The **[RGB]** setting of **[AV Connector Out]** (refer to section 'AV Connector Out' on page 86) will automatically be switched off when the component video outputs are set to output progressive-scan video.

13.2.3 AV Connector Out

- Default setting: **[Video]** → **YUV Out**

*You only need to make this setting if you connected the VIP G3 to your TV using the YUV/RGB outputs **[1]** to **[3]**.*



Important

- If you make a setting here that is incompatible with your TV, the TV may not display any picture at all. If this happens switch everything off and reconnect to the TV using either a video cable or S-Video cable (refer to section 'Connections and options on the back panel' on page 140) and make the appropriate setting.
- **Video** – With this setting the YUV signal is available at the YUV/RGB output.
- **S-Video** – With this setting the YUV signal is available at the YUV/RGB output.
- **RGB** – With this setting the RGB signal is available at the YUV/RGB output.



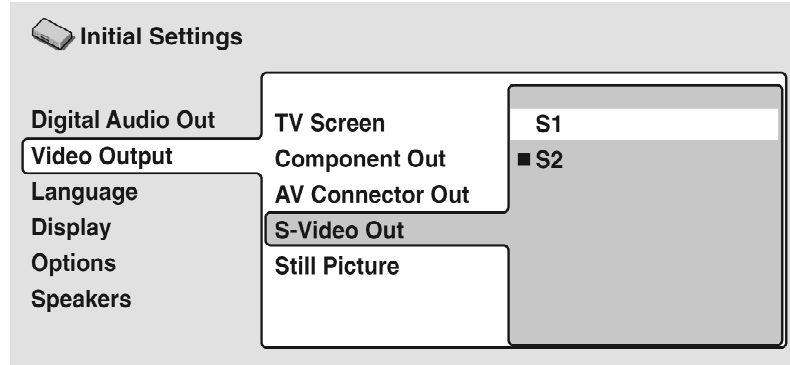
Important

- If **[Component Out]** is set to **[Progressive]**, you can't change option **[AV Connector Out]**. In this case the YUV signals are always output at the YUV/RGB connectors **[1]** to **[3]**. In order to select **[RGB]** mode again, you first have to set option **[Component Out]** to **[Interlace]**.

13.2.4 S-Video Out

- Default setting: **[S2]**

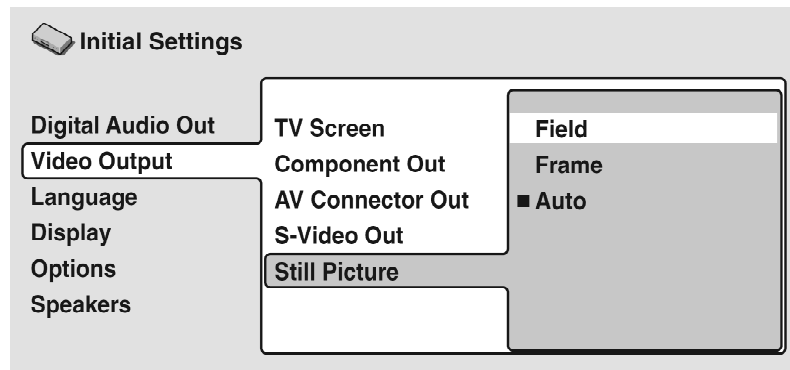
*You only need to make this setting if you connected S-Video output **6** of the VIP G3 to your TV using an S-Video cable.*



If you find that the picture is stretched or distorted on the default **[S2]** setting, try changing it to **[S1]**.

13.2.5 Still Picture

- Default setting: **[Auto]**



The VIP G3 uses one of two processes when displaying a still frame from a DVD disc. The default **[Auto]** setting automatically chooses the best setting each time.

- **Field** – produces a stable, generally shake-free image.
- **Frame** – produces a sharper image, but more prone to shake than field stills.

13.3 Language settings

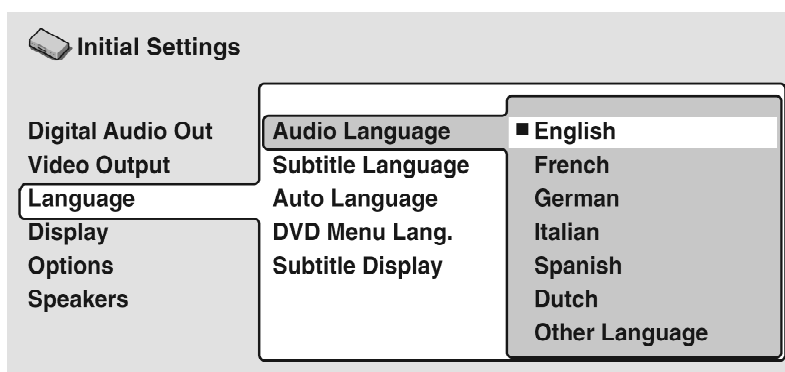


Note

- The language options shown in the on-screen illustrations on the following pages may not correspond to those available in your country or region.

13.3.1 Audio Language

- Default setting: **[English]**



This setting is your preferred audio language for DVD discs. If the language you specify here is recorded on a disc, the VIP G3 automatically plays the disc in that language.

The DVD format recognizes 136 different languages. Select **[Other Language]**, if you want to specify a language other than those listed. Refer also to section 'Selecting languages using the Language Code list' on page 128.

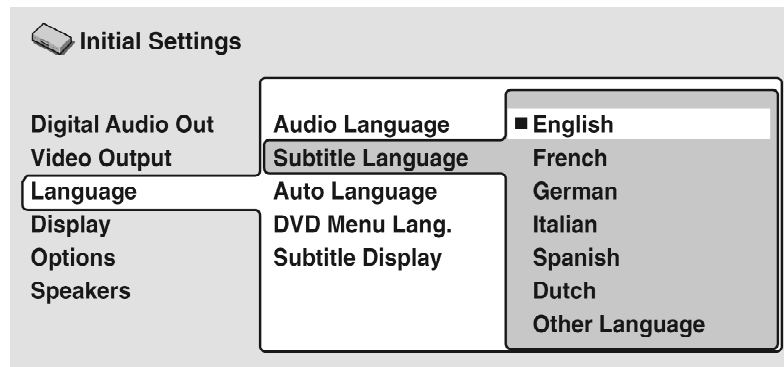


Tip

- You can switch between the languages recorded on a DVD disc during playback using the key **[Audio]**. This does not affect this setting (refer to section 'Switching the DVD Audio language' on page 67).
- Some DVD discs set the audio language automatically when loaded, overriding the audio language you set in the **Initial Settings** menu.
- Discs with two or more audio languages usually allow you to select the audio language from the disc menu. Press **[Top Menu]** to access the disc menu.

13.3.2 Subtitle Language

- Default setting: **[English]**



This setting is your preferred subtitle language for DVD discs. If the language you specify here is recorded on a disc, the VIP G3 automatically plays the disc with those subtitles. The DVD format recognizes 136 different languages. Select **[Other Language]**, if you want to specify a language other than those listed. Refer also to section 'Selecting languages using the Language Code list' on page 128.

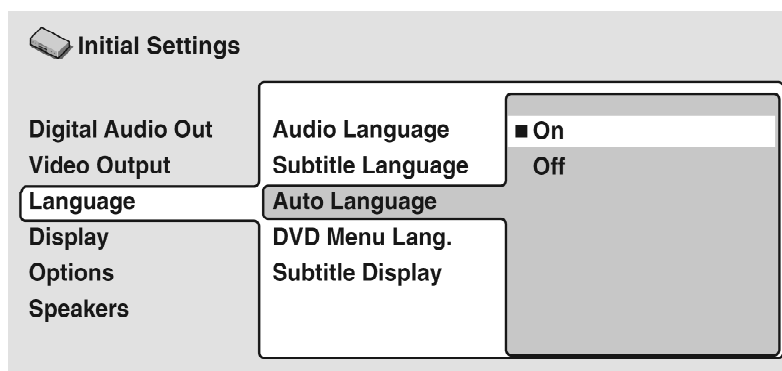


Tip

- You can change or switch off the subtitles on a DVD disc during playback using the key **[Subtitle]**. This does not affect this setting. Refer to section 'Switching subtitles' on page 66.
- Some DVD discs set the subtitle language automatically when loaded, overriding the subtitle language you set in the **Initial Settings**.
- Discs with two or more subtitle languages usually allow you to select the subtitle language from the disc menu. Press **[Top Menu]** to access the disc menu.

13.3.3 Auto Language

- Default setting: **[Off]**



When set to **[On]**, the player always selects the default audio language on a DVD Video disc (French dialog for a French movie, for example), and displays subtitles in your preferred language only if that is set to something different. In other words, movies in your native language won't have any subtitles, while foreign language movies will be shown with subtitles.

Set to **[Off]** to have the VIP G3 play discs strictly according to you're **[Audio Language]** and **[Subtitle Language]** settings.

For **[Auto Language]** to work, the **[Audio Language]** and **[Subtitle Language]** settings must be the same (refer to section '*Audio Language*' on page 88 und '*Subtitle Language*' on page 89).

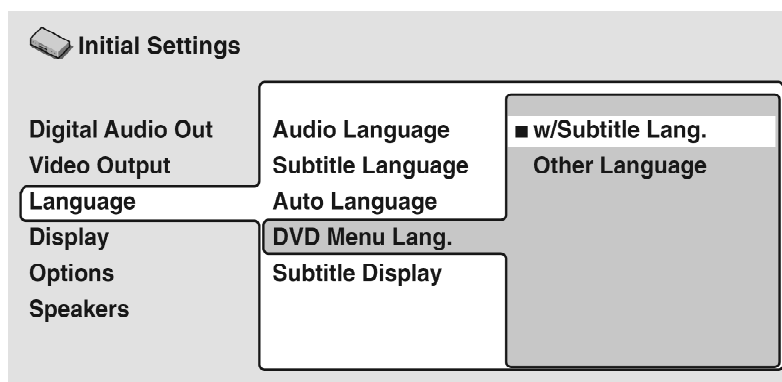


Tip

- You can still switch audio and subtitle language on playback using the **Audio** and **Subtitle** keys.

13.3.4 DVD Menu Language

- Default setting: **[w/Subtitle Lang]**

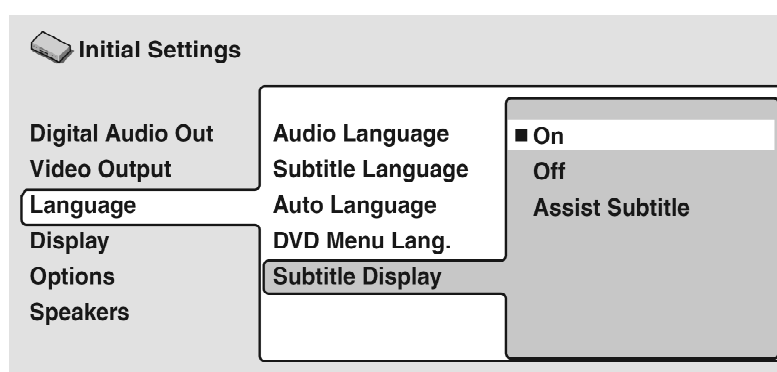


Some multilingual discs have menus in several languages. This setting specifies in which language the disc menus should appear. Leave on the default setting for menus to appear in the same language as your **Subtitle Language** – see above.

The DVD format recognizes 136 different languages. Select **[Other Language]**, if you want to specify a language other than those listed. Refer also to section 'Selecting languages using the Language Code list' on page 128.

13.3.5 Subtitle Display

- Default setting: **[Off]**



When set to **[On]**, the VIP G3 displays subtitles according to the **[Subtitle Language]** and **[Auto Language]** settings.

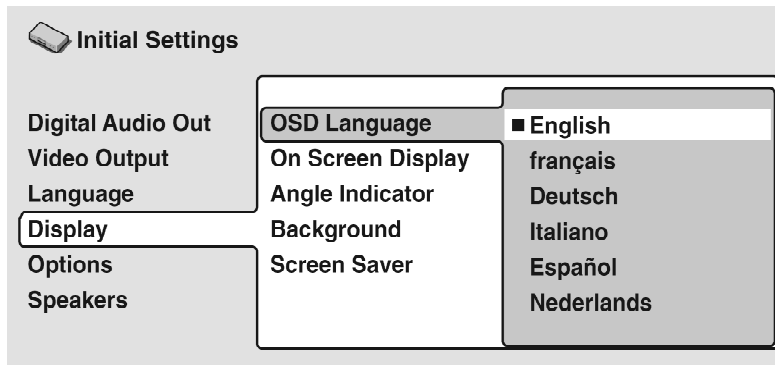
Set to **[Assist Subtitle]** to have the VIP G3 display the extra assistive subtitles recorded onto some DVD discs.

Set to **[Off]** to switch subtitles off altogether.

13.4 Display settings

13.4.1 OSD Language

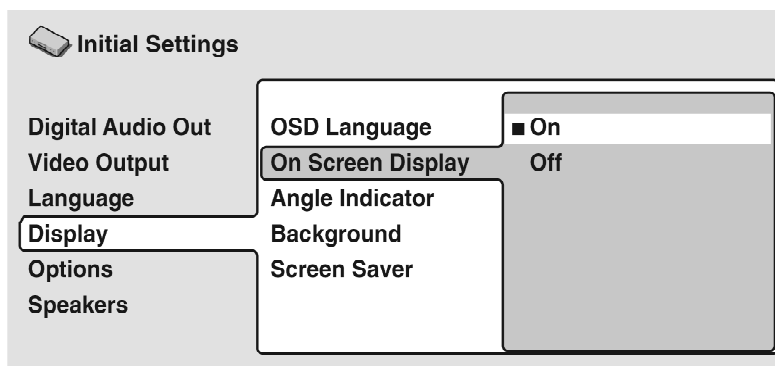
- Default setting: **[English]**



This sets the language of the VIP G3's on-screen displays.

13.4.2 On Screen Display

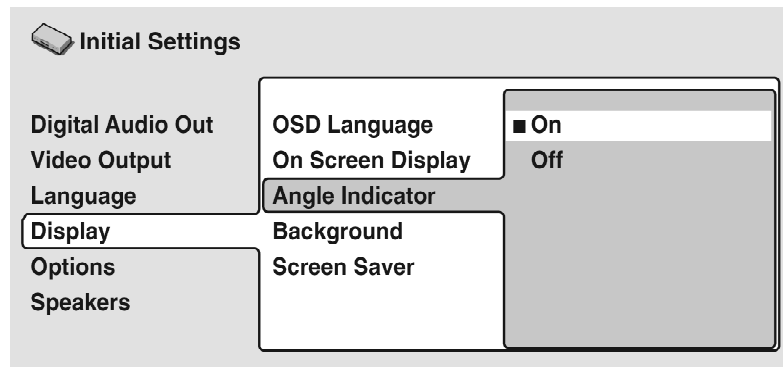
- Default setting: **[On]**



This sets whether operation displays are shown on-screen (**Play**, **Stop**, **Search**, **Scan** etc).

13.4.3 Angle Indicator

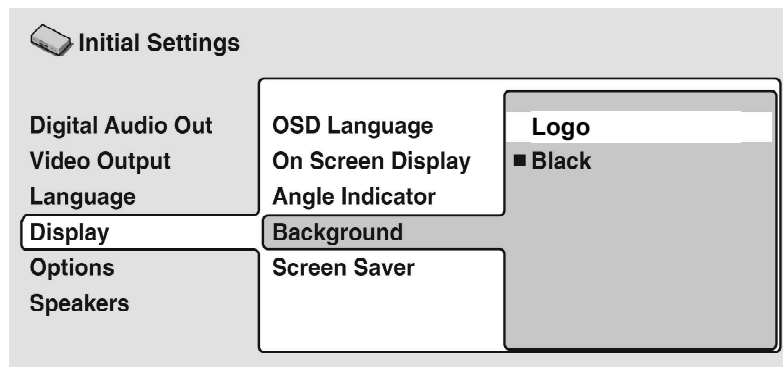
- Default setting: **[On]**



If you prefer not to see the camera icon on-screen during multi-angle scenes on DVD discs, change this setting to **[Off]**.

13.5 Background

- Default setting: **[Logo]**

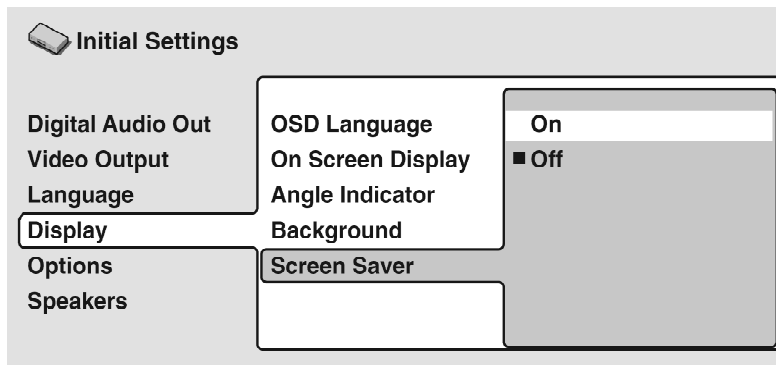


This specifies what is displayed on-screen when the VIP G3 is stopped.

- **Logo** – displays the **AUDIONET** logo in grey on a black background.
- **Black** – displays a black blank screen.

13.5.1 Screen Saver

- Default setting: **[Off]**



If a constant image is displayed on a conventional CRT-type TV or projectors using LCDs, it can 'burn in' leaving a ghost image on the screen.

Switch to **[On]** to make sure that a constant image is not displayed for a dangerously long time.

13.6 Options

13.6.1 Parental Lock

- Default setting: **[Off]**
- Default password: **[none]**
- Default Country Code: **[us] (2119)**

Some DVD Video discs feature a Parental Lock level. If your VIP G3 is set to a lower level than the disc, the disc won't play. This gives you some control about what your children watch on your VIP G3.

Some discs also support the Country Code feature. The VIP G3 does not play certain scenes on these discs, depending on the Country Code you set.

Before you can set the Parental Lock level or the Country Code you must register a password. As the password owner, you can change Parental Lock level or Country Code whenever you like. You can also change the password.



Note

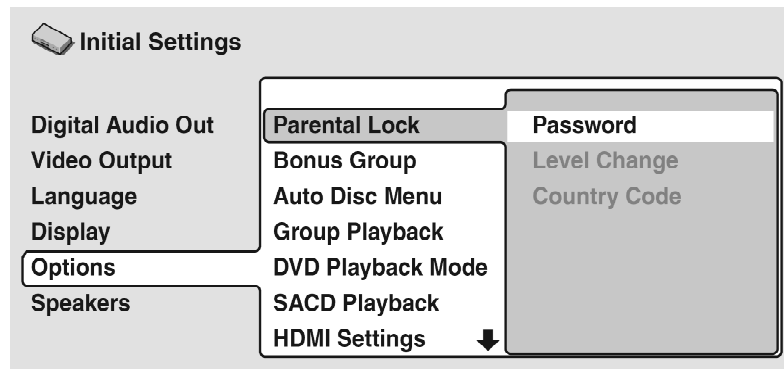
- Not all discs that you may consider inappropriate for your children use the Parental Lock feature. These discs will always play without requiring the password first.

- If you forgot your password, you'll need to reset the VIP G3 to its factory settings (refer to section '*Resetting the player*' on page 122), then register a new password.

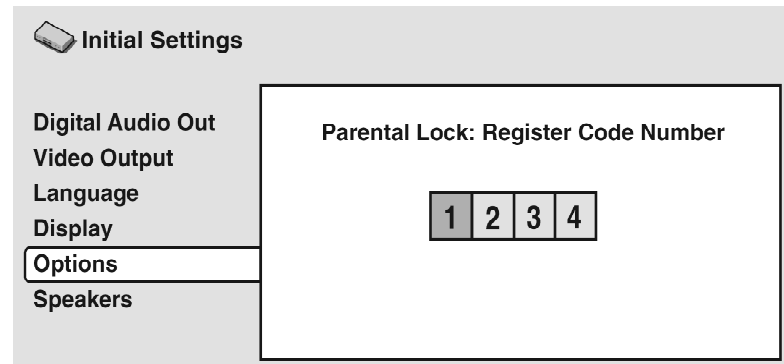
13.6.2 Registering a new password

You must register a password before you can change the Parental Lock level or enter a Country Code.

1. Select **[Password]**.



2. Use the number keys to enter a 4-digit password.



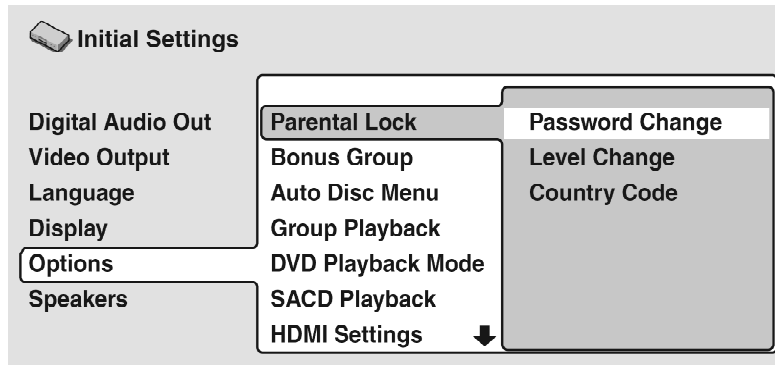
3. Press **[OK]** or **[enter]** to register the password and return to the **[Options]** menu screen.

If you forget your password, you can reset the VIP G3 then register a new one. Refer to section '*Resetting the player*' on page 122 for how to reset the VIP G3.

13.6.3 Changing your password

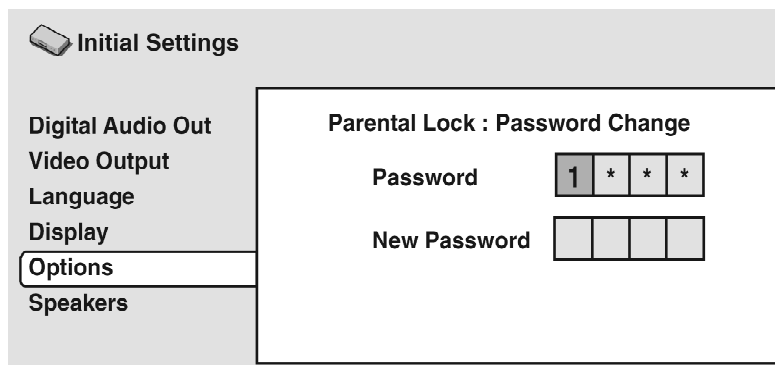
To change your password, confirm your existing password then enter a new one.

1. Select **[Password Change]**.

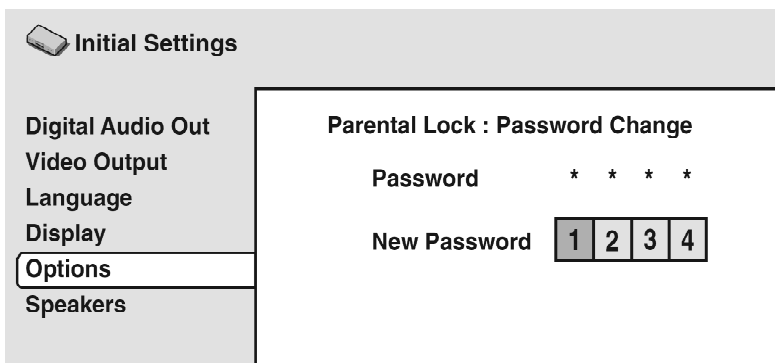


2. Use the number keys to enter your existing password, then press **OK** or **enter**.

The numbers appear as asterisks as you enter them.



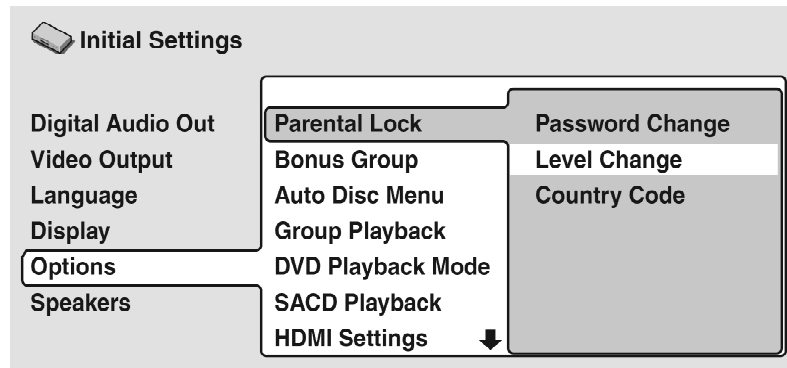
3. Enter a new password.



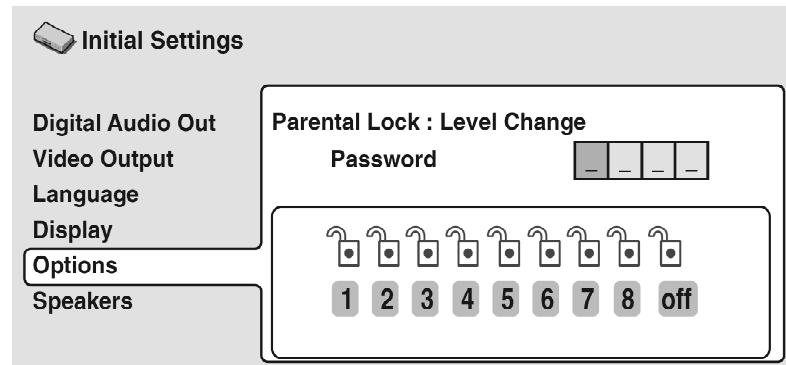
4. Press **OK** or **enter** to register the new password and return to the **[Options]** menu screen.

13.6.4 Setting/changing the Parental Lock level

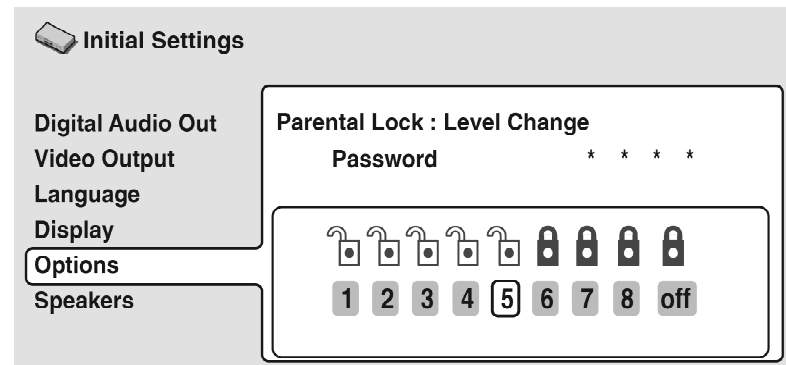
1. Select [Level Change].



2. Use number keys to enter your password, then press **enter** or **OK**



3. Select a new level.



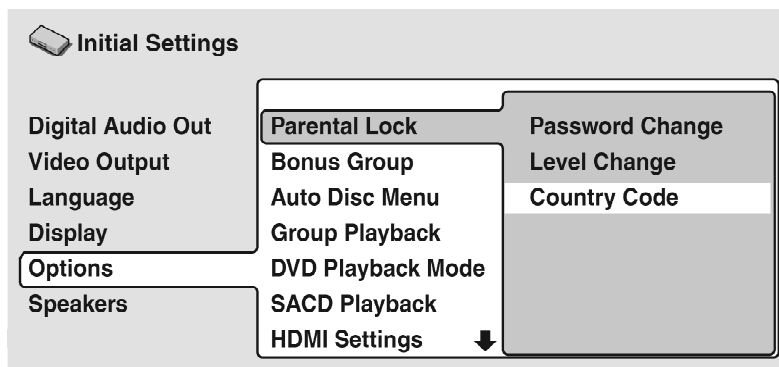
Use the cursor key ◀ to move the cursor left to lock more levels. Use cursor key ▶ to move cursor right to unlock levels. You can't lock level 1.

4. Press **OK** or **enter** to set the new level and return to the [Options] menu screen.

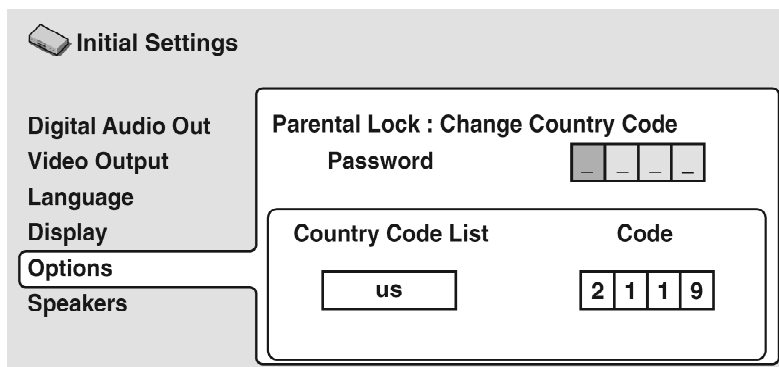
13.6.5 Setting/changing the Country Code

You may also want to refer to the '*Country Code list*' on page 127.

1. Select [Country Code].



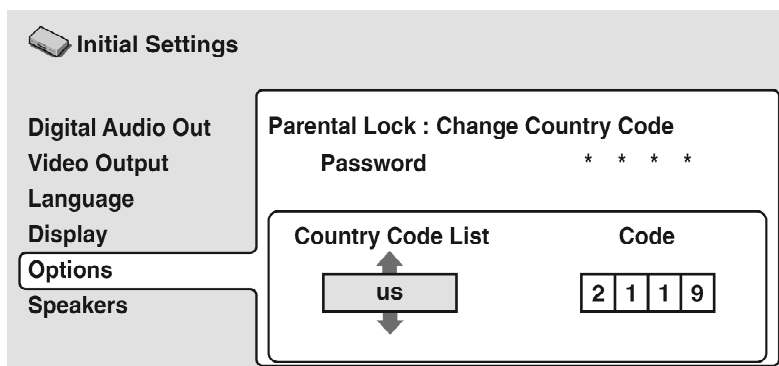
2. Use number keys to enter your password, then press **OK** or **enter**



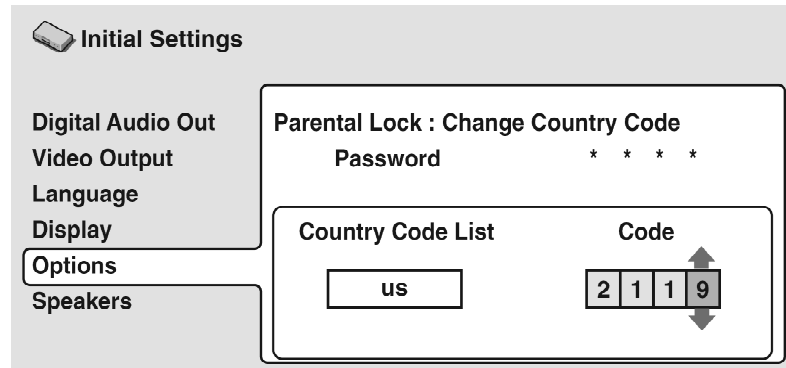
3. Select a Country Code.

There are two ways you can do this:

- *Select by code letter:* Use the cursor keys ▲ and ▼ to change the Country Code.



- *Select by code number:* Use the cursor key ► to move the cursor right then use the number keys to enter 4-digit country code (you can find the 'Country Code list' on page 127).



4. Press **OK** or **enter** to set the new Country Code and return to the **[Options]** menu screen.

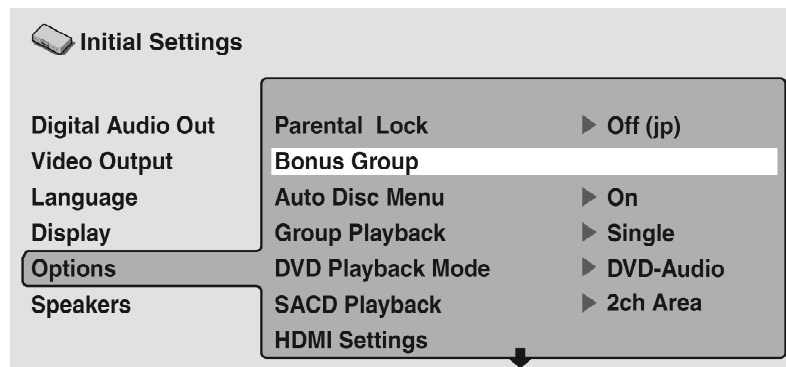


Note

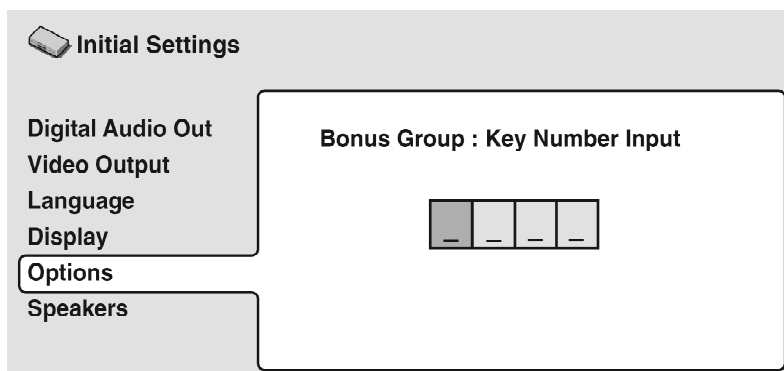
- Changing the Country Code does not take effect until the next disc is loaded (or the current disc is reloaded).

13.6.6 Bonus Group

Some DVD Audio discs have an extra 'bonus' group that requires a 4-digit key number to access. See the disc packaging for details and the key number.



When you play a DVD Audio disc that has a bonus group, the key number input screen appears automatically. You can also access the same screen here.

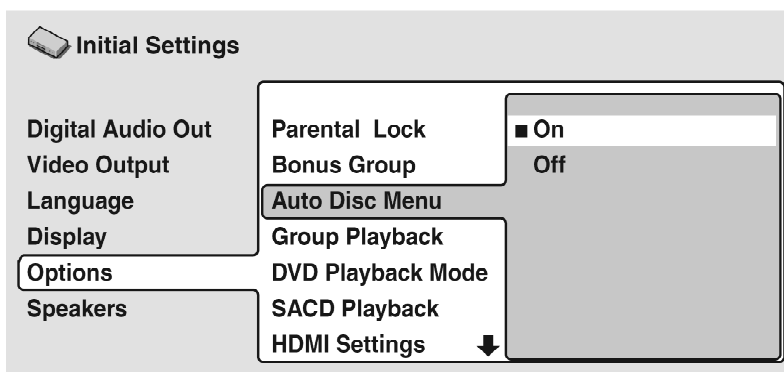


Note

- If you open the disc drawer, switch the power off, or unplug the VIP G3, you will need to re-enter the key number.

13.6.7 Auto Disc Menu

- Default setting: **[On]**



This specifies whether the menu (Top Menu) is automatically displayed after loading a disc. Set to **[On]** if you want the menu displayed automatically, or **[Off]** if you don't want it displayed.

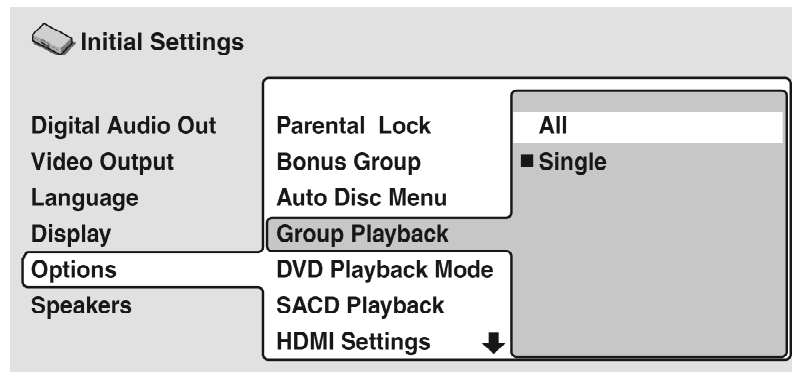


Note

- Some DVD discs display a menu automatically regardless of this setting. If you press ► (play) while a disc is loading, this setting is ignored.

13.6.8 Group Playback

- Default setting: **[Single]**



DVD Audio discs can have up to 9 groups of tracks. When set to **[Single]**, the selected group plays and then the disc stops, or returns to the menu screen.

Use **[Group Search]** (see section '*Searching a disc*' on page 65) to select the group to play. You cannot use the track skip **⏮ / ⏭** or scan keys **⏪ / ⏩** in this mode.

Set to **[All]** if you want to play all the groups on a disc consecutively.

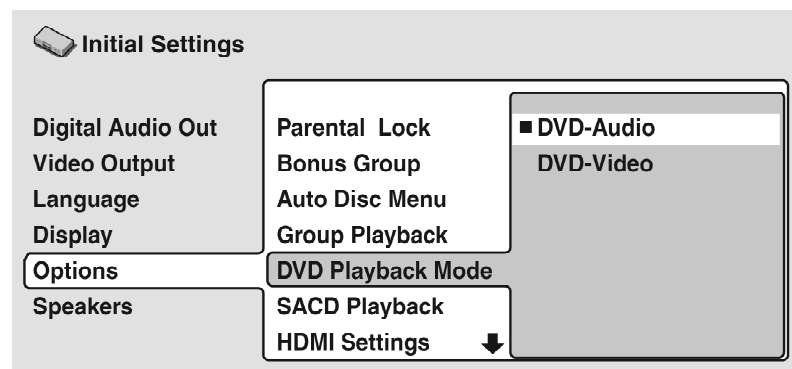


Note

- Even if the VIP G3 is set to **[All]** but you select a group to play from the disc menu, only that group will play. If you stop playback, all groups will play again when you restart playback.

13.6.9 DVD Playback Mode

- Default setting: **[DVD Audio]**



Some DVD Audio discs contain DVD Video content in addition to the DVD Audio content. Set to **[DVD Video]** to play a DVD Audio disc as if it were a DVD Video disc. Note that in this case only the DVD Video part of the disc will play.

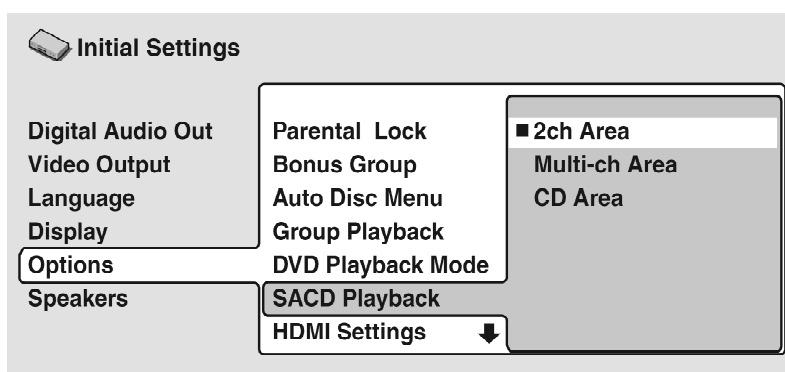


Note

- This setting reverts to **[DVD Audio]** (default) when the disc drawer is opened, or the VIP G3 is switched into stand-by.

13.6.10 SACD Playback

- Default setting: **[2ch Area]**



SACD discs can be divided up into several different areas – stereo audio **[2ch Area]**, multi-channel audio **[Multi-ch Area]** and, for hybrid SACDs, standard CD audio **[CD Area]**. Select which you want to listen to.



Note

- For multi-channel audio from the i.LINK and 5.1 channel analog outputs, **[SACD Playback]** must be set to **[Multi-ch Area]**.
- If you select an area that isn't on the disc loaded, a different area of the disc will play. For example, if you choose standard CD audio but the disc loaded is not a hybrid SACD, the stereo SACD audio will play.
- If a SACD is currently loaded, The VIP G3 re-loads the disc again, if you change the playback area from or to the CD area. The display informs the user with **SACD -> CD** or **SACD <- CD**.

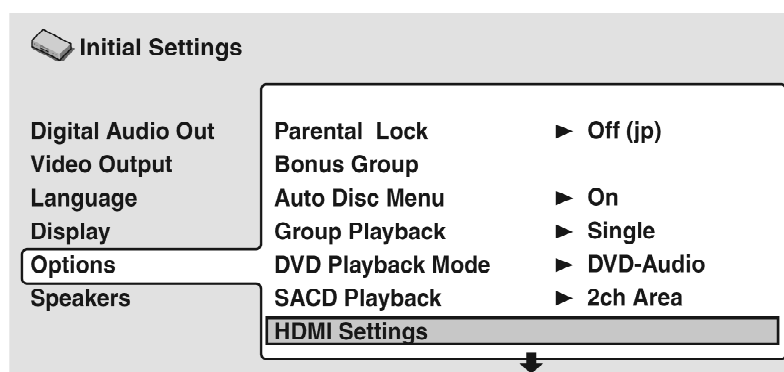


Tip

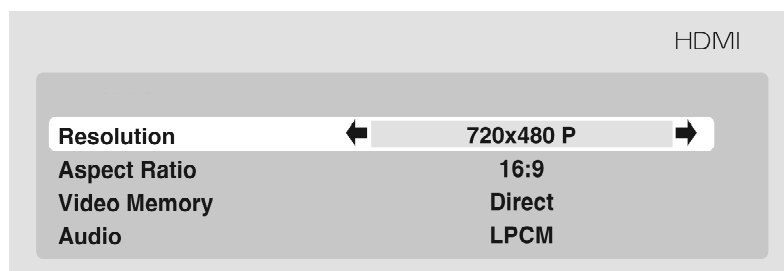
- Use the key **SACD Mode** on screen 2 of the remote control *Harmony Ultimate One* in **Device Mode** for VIP G3 to comfortably select the SACD playback area. First stop any playing disc. Then press key **SACD Mode** to show the current setting in the display on the front panel of the VIP G3. While this information is still in the display, press key **SACD Mode** again to select the next playback area. Repeat pressing **SACD Mode** until the desired playback area for SACD is selected.

13.6.11 HDMI Settings

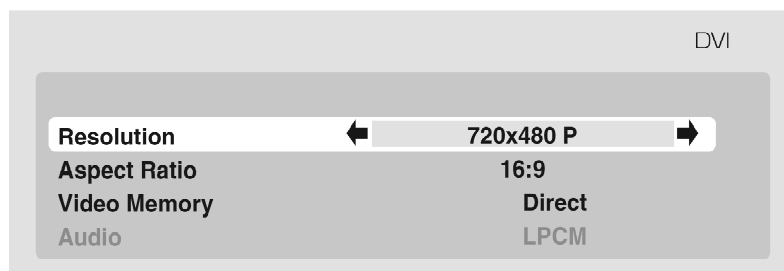
You only need to make this setting if you connected the VIP G3 to an HDMI-compatible component using the HDMI connector [26].



After selecting **[HDMI]** from the **Initial Settings** menu, the **HDMI settings** menu appears.



With DVI/HDMI-compatible devices (with HDCP), the same screen is shown, but with the audio setting greyed-out (there is no audio with DVI).



- Use the cursor keys ▲ and ▼ to select a setting.
- Use cursor keys ◀ and ▶ to adjust the current setting.
- After you've finished, press **OK** or **enter** to confirm any settings you've made and return to the **Initial Settings** menu.

You can adjust the following HDMI settings (the same options are available for DVI/HDCP-compatible devices):

Resolution

Since HDMI has the capacity to support many different high-definition video formats, you may want to change the resolution depending on the monitor you're using. The options that appear will depend on the video format of the current disc (NTSC or PAL).

- **VGA** – 640 x 480 pixel progressive-scan video (NTSC only)
- **720 x 480 P** (NTSC) / **720 x 576 P** (PAL) – 720 x 480/576 pixel progressive-scan video.
- **720 x 480 I** (NTSC) / **720 x 576 I** (PAL) – 720 x 480/576 pixel interlace video
- **1280 x 720 P** – 1280 x 720 pixel progressive-scan video
- **1920 x 1080 I** – 1920 x 1080 pixel interlace video



Note

- When the resolution is changed, a confirmation message appears on the screen. Press **OK** or **enter** to confirm. Note that this may take some time.
- If the screen goes blank after changing the resolution, it means that you selected a resolution incompatible with your monitor. Press and hold the (number) **0** key for 5 seconds to return to the auto resolution setting.

Aspect Ratio

Select an aspect ratio according to the kind of display you have, and how you want to see the image on-screen. Refer to the table below to match the HDMI resolution you chose in **[Resolution]** above to the disc type you're using and the setting on your monitor. See also section '*Screen sizes and disc formats*' on page 121.

- **4:3 (Letter Box)** – Widescreen discs are shown with black bars top and bottom.
- **4:3 (Pan&Scan)** – Widescreen discs are shown with left and right sides cropped.
- **16:9 (Wide)** – Use this setting if you have a widescreen monitor.
- **16:9 (Compressed)** – Progressive-scan 4:3 material is shown with black bars on either side of the screen.

Disc type					
HDMI resolution setting	16 : 9		4 : 3		
	Aspect (HDMI)	Monitor setting	Aspect (HDMI)	Monitor setting	
720 x 576 P/I	16 : 9 (Wide) or 16 : 9 (Compressed)	Full / Squeeze	4 : 3 / 16 : 9 (Wide)	Normal / Pass Thru / Dot by Dot / 4 : 3	
720 x 480 P/I		Normal / Pass Thru / Dot by Dot / 4 : 3	16 : 9 (Compressed)		
1280 x 720 P					
1920 x 1080 I					



Note

- The monitor settings listed in the table may be different from your monitor's settings.

Colour

This setting determines the video output colour format. Depending on the connected equipment, some HDMI Colour settings may cause the picture to be displayed incorrectly. In this case, use the TV's own video input settings to select RGB, if possible. Alternatively, revert to the previous HDMI Colour setting.

- **Full Range RGB** – Gives brighter colours and deeper black. Use if colours are weak. This is the standard setting for HDMI-compatible DVI devices, but it is also effective with HDMI devices.
- **RGB** – Use this setting if colours appear overly rich on the **[Full Range RGB]** setting.
- **Component (12-bit)** – Outputs 12-bit component video format. If your connected device is compatible with this setting, 12-bit output provides

very fine gradations of colour. If the connected device is not compatible with this setting, the VIP G3 automatically reverts to setting **[Component]**.

- **Component** – Outputs 8-bit component video format. This is the standard setting for HDMI-compatible devices.

Video Memory

These settings allow you to change the appearance of the HDMI video presentation. You can also access these options from the **[Video Adjust]** menu (refer to section '*Video Adjust*' on page 77 for more on this).

- **Direct** – The picture appears simply according to how the source was encoded.
- **Natural** – Edges are softer making this setting good for movies.
- **Enhanced** – Edges are sharper making this setting ideal for animation and material with computer generated effects.
- **Memory 1–3** – Use for saving your own presets (see '*Creating your own presets*' on page 78 for more on this).

Audio

If the monitor or device you have connected using HDMI is not compatible with compressed multi-channel formats, you should set this to **[Linear PCM]**, otherwise set to **[Auto]**.

- **Linear PCM** – All audio signals are output as linear PCM.
- **Auto** – Dolby Digital, DTS and MPEG sources are processed according to how they were encoded, and linear PCM sources are output with no processing.



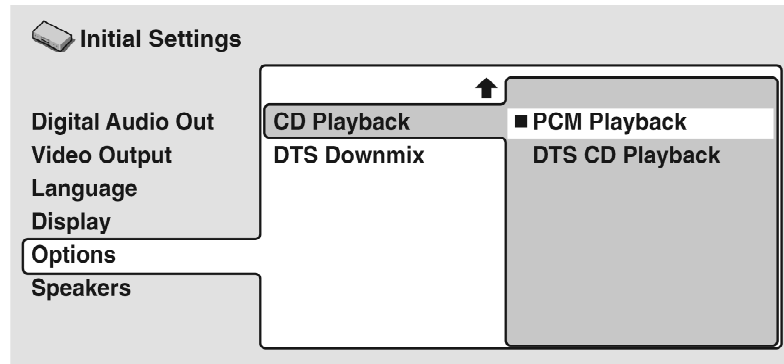
Note

- Even with **[Auto]** selected, if the monitor or device you have connected using HDMI is not compatible with multi-channel formats, the audio signal will be output as linear PCM.
- It is not possible to output SACD sources from the HDMI connection. If the connected component is not compatible to DVD Audio with CPPM, it is not possible to output CPPM copy-controlled DVD Audio sources from the HDMI connection (see section '*HDMI output with DVD Audio sources*' on page 125).

- If necessary, sources with high sample rates (such as DVD Audio 88.2 / 96 / 176.4 / 192 kHz sources) will be downsampled to match the sampling rate of your connected HDMI component.

13.6.12 CD Playback

- Default setting: **[PCM Playback]**



When set to **[PCM Playback]**, playback is optimized for standard audio CDs. You can also play DTS CDs, however you may notice some noise when a DTS CD starts playing. This is no malfunction.

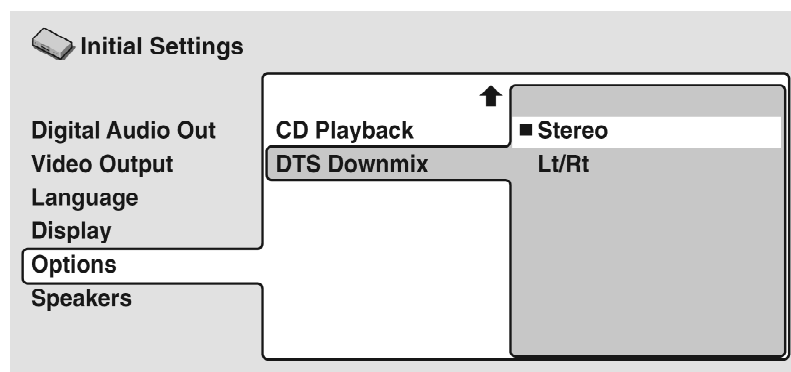
When set to **[DTS CD Playback]**, playback is optimized for DTS CDs. In this mode you cannot play standard audio CDs through the analog outputs.

Change the setting back to **[PCM Playback]** to play standard CDs.

The i.LINK output is not affected by this setting.

13.6.13 DTS Downmix

- Default setting: **[Stereo]**



If you've selected **[DTS > PCM]** in menu item **[DTS Out]** (see section '*DTS Out*' on page 82), or **[2 Channel]** in menu item **[Audio Output Mode]** (see section '*Audio Output Mode*' on page 108), you can choose the way the DTS signal is downmixed to PCM audio. **[Stereo]** downmixes the signal to 2-channel stereo, whereas **[Lt/Rt]** downmixes to a 2-channel signal compatible with Dolby surround matrix decoders. This allows you to hear surround sound if your AV receiver or amplifier has Dolby Pro Logic capability.



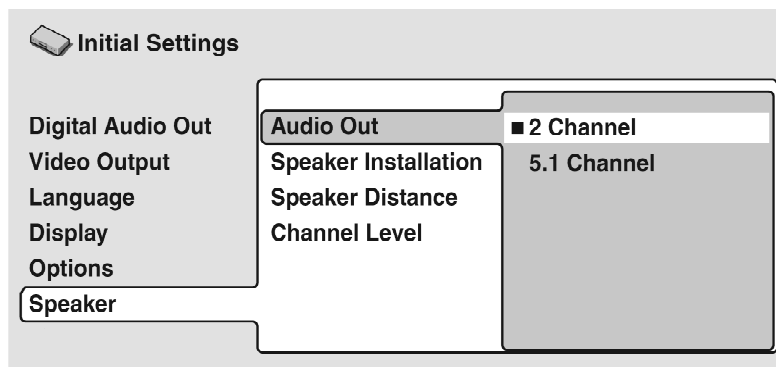
Note

- If you've selected **[DTS > PCM]** in menu item **[DTS Out]** (see section '*DTS Out*' on page 82) and **[5.1 Channel]** in menu item **[Audio Output Mode]** (see section '*Audio Output Mode*' on page 108), the **[DTS Down-mix]** setting will automatically be set to **[Stereo]**.

13.7 Speakers

13.7.1 Audio Output Mode

- Set in Setup Navigator
Default setting: **[2 Channel]**



If you connected the VIP G3 to an AV receiver using the 5.1 channel analog outputs **[7]** to **[10]** as well as **[21]** and **[24]** or **[22]** and **[23]**, set this to **[5.1 Channel]**. This will enable you to enjoy multi-channel sound.

If you connected only the stereo analog outputs **[21]** and **[24]** or **[22]** and **[23]**, select option **[2 Channel]**. On this setting multi-channel audio is downmixed to 2 channels for stereo analog output.



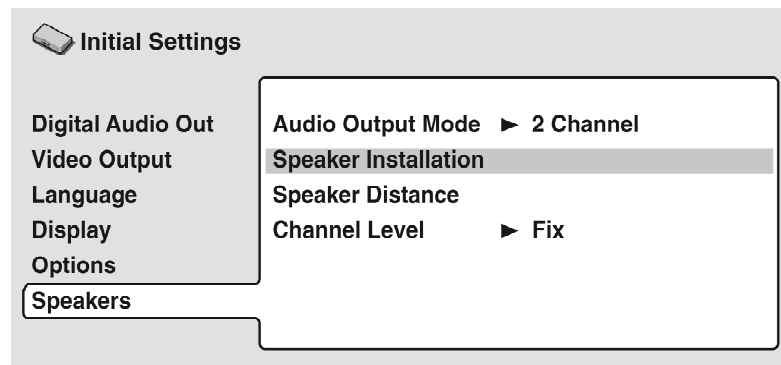
Note

- When set to **[5.1 Channel]**, you'll only get sound from all speakers when playing multi-channel discs.

- Refer to section '*Digital output formats*' on page 145 for audio format available at the digital outputs.
- Some DVD Audio discs don't allow downmixing of audio. These discs always output multi-channel audio regardless of the setting made here.

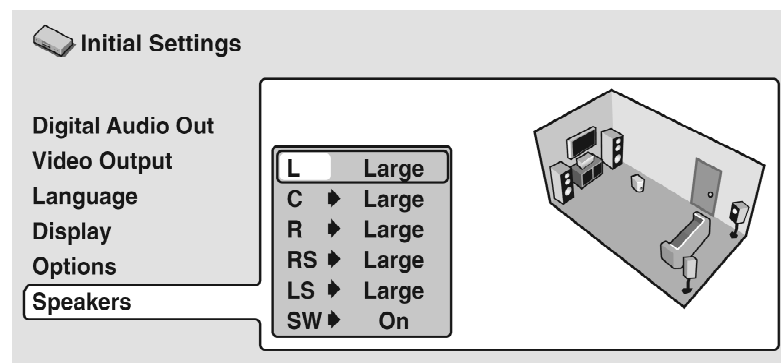
13.7.2 Speaker Installation

- Set in Setup Navigator
 Default setting: **[L/R: Large], [C: Large], [LS/RS: Large], [SW: On]**
You only need to make this setting if you connected the VIP G3 to your amplifier using the 5.1 channel analog outputs [7] to [10] as well as [21] and [24] or [22] and [23]. Otherwise this setting affects the data on the digital outputs [13] and [16] to [19].



Use the **[Speaker Installation]** screen to tell the VIP G3 what kind of speakers you have connected.

1. Use the keys ▲ and ▼ to move the cursor up/down to select a speaker.
- The L and R, and RS and LS speakers are paired; you can't set them differently.



2. Move the cursor right to modify the selected speaker.

3. Use cursor keys ▲ and ▼ to change the current setting.

- You can see the effect of your changes in the room graphic on the right of the screen.
- Except for the subwoofer, you can set speaker size to **[Large]** or **[Small]**. If the main speaker cone in the speaker is 12 cm or more, set to **[Large]**, otherwise set to **[Small]** (or **[Off]** if you don't have that speaker).
- If you set the front **L** and **R** speakers to **[Small]**, the center and surround speakers are automatically set to **[Small]** and the subwoofer to **[On]**.
- The subwoofer can only be set to **[On]** or **[Off]**.

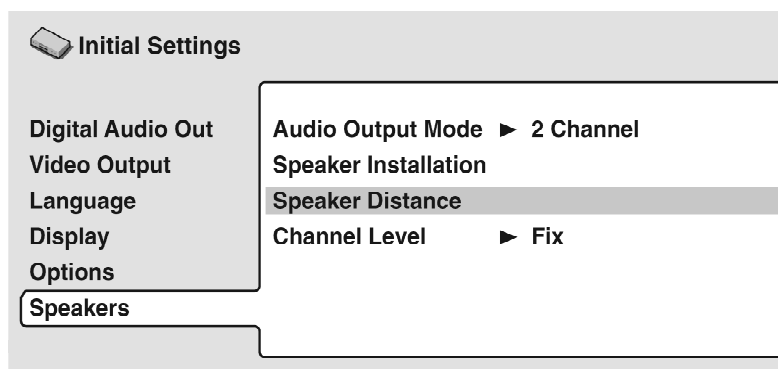
4. Move the cursor left to go back to the speaker list if you want to modify another speaker, or press **[OK]** or **[enter]** to exit the **[Speaker Installation]** screen.

13.7.3 Speaker Distance

- Default setting: all speakers **[3 m]**

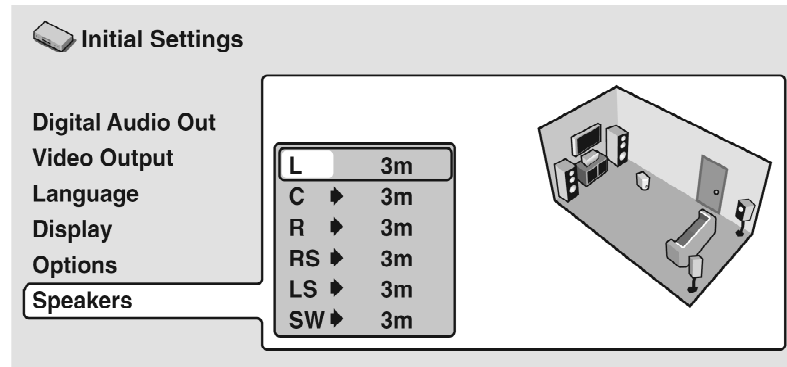
*You only need to make this setting if you connected the VIP G3 to your amplifier using the 5.1 channel analog outputs **[7]** to **[10]** as well as **[21]** and **[24]** or **[22]** and **[23]**. Otherwise this setting affects the data on the digital outputs **[13]** and **[16]** to **[19]**.*

To get the best surround sound from your system, you should set up the speaker distances from your listening position.



1. Use the keys ▲ and ▼ to move the cursor up/down to select a speaker.

The **L** and **R** speakers are paired; you can't set them differently.



2. Move the cursor right to change the speaker distance for the highlighted speaker.

3. Use the cursor keys ▲ and ▼ to change the distance.

- When you change the distance settings of the front left (**L**) and front right (**R**) speakers, all other speaker distances change relative to it.
- Front left/right (**L/R**) speaker distances can be set from **[30 cm]** to **[9 m]** in 10 cm increments.
- The center speaker (**C**) and subwoofer (**SW**) can be set from **[-2 m]** to **[+2 m]** relative to the front left/right speakers **L / R**.
- Surround left/right (**LS/RS**) speakers can be set from **[-6 m]** to **[+2 m]** relative to the front left/right speakers **L / R**.

4. Move the cursor left to go back to the speaker list if you want to modify another speaker, or press **[OK]** or **[enter]** to exit the **[Speaker distance]** screen.



Note

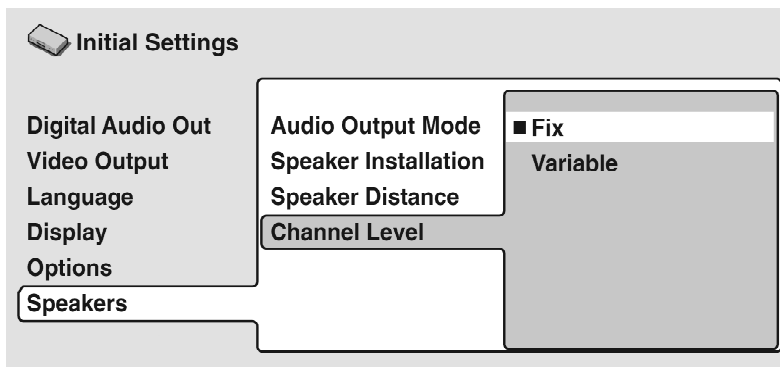
- Speaker distance settings do not affect SACD playback.

13.7.4 Channel Level

- Default setting: **[Fix]**

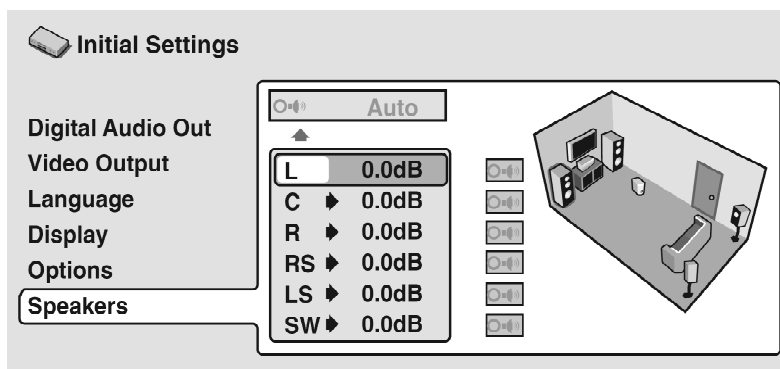
*You only need to make this setting if you connected the VIP G3 to your amplifier using the 5.1 channel analog outputs **[7]** to **[10]** as well as **[21]** and **[24]** or*

[22] and [23]. Otherwise this setting affects the data on the digital outputs [13] and [16] to [19].



When set to **[Fix]**, the level of each of the 5.1 channel analog outputs is fixed.

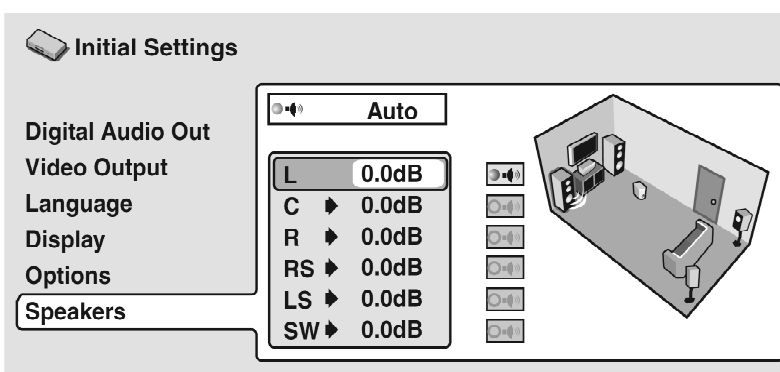
Choose **[Variable]** if you want to adjust the relative levels to balance the surround sound better for your listening room.



You can set the individual channel levels between **[-6 dB]** and **[+6 dB]** on 0.5 dB increments using the test tone output as a guide to set the correct levels. Adjust the levels until the output level from all channels sounds the same you're your usual listening position.

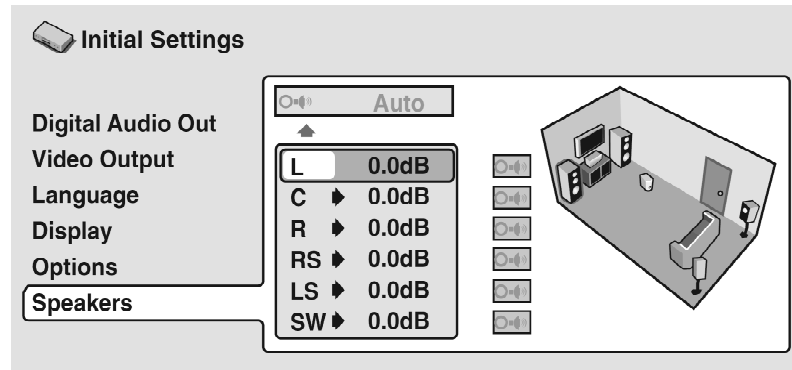
Note that **[Audio Output Mode]** (refer to page 108) must be set to **[5.1 Channel]** in order to use the test tone.

Automatic: Select **[Auto]** to start the test tone output. No sound will be heard from the subwoofer.

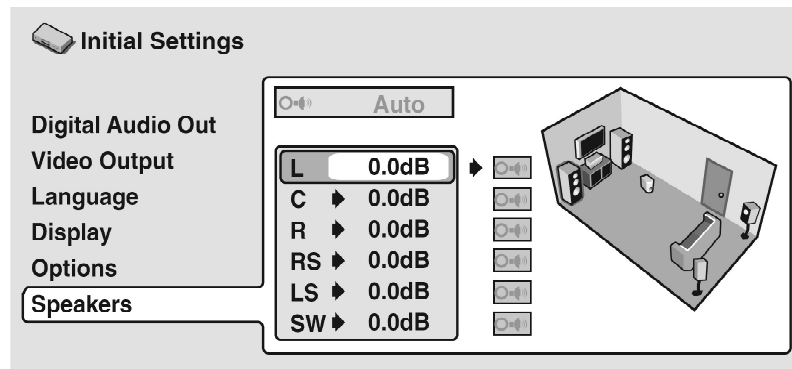


As the test tone plays through each speaker in turn, it is highlighted on-screen. Use the cursor keys ▲ and ▼ to adjust the channel output level of the current speaker. Move the cursor left to exit the test tone sequence, or press **OK** or **enter** to save the settings and exit the **[Channel level]** setting screen.

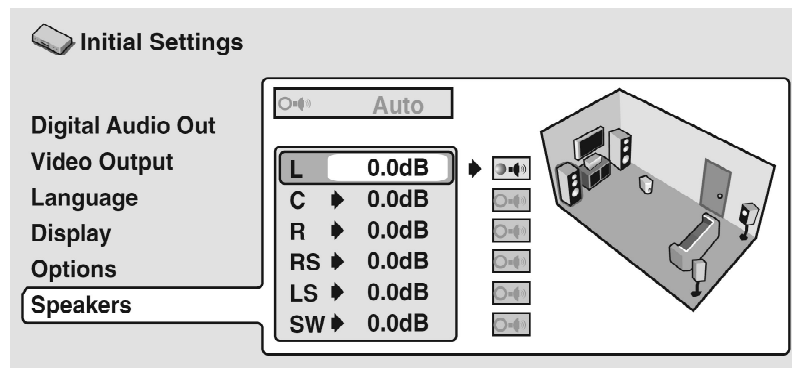
Manual: Use keys ▲ and ▼ to move the cursor up/down to select a speaker.



Move the cursor right (or press **OK** or **enter**) then use the cursor keys ▲ and ▼ to set the channel output level.



To turn the test tone on/off for an individual channel, move the cursor right. The test tone continues playing even when you select a different speaker.



To save the settings and exit, press **OK** or **enter** with the channel level field highlighted (as shown above).



Note

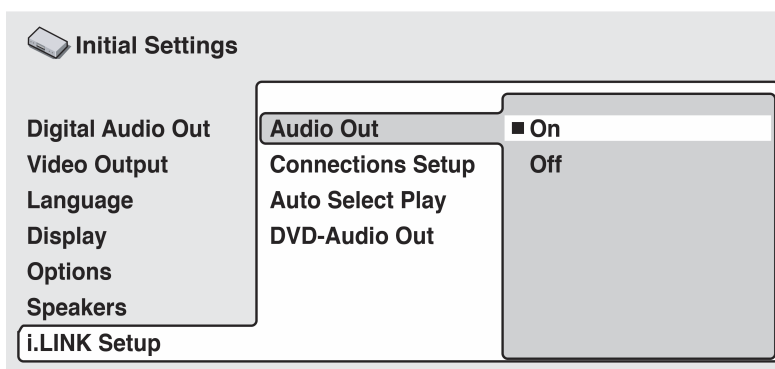
- The subwoofer output will sound quite low compared to the other speakers.

13.8 i.LINK Setup

13.8.1 Audio Out

- Default setting: **[On]**

You only need to make this setting if you connected the VIP G3 to other equipment using the i.LINK interface [27](#).

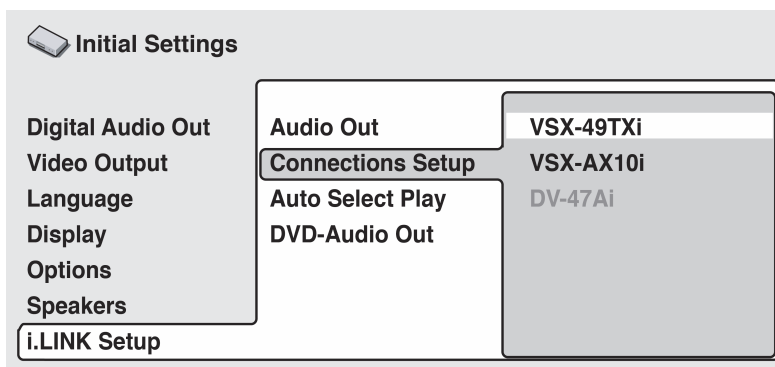


Change setting to **[Off]** if the i.LINK interface is still connected but you need to use one of the other outputs. Selecting **[Off]** does not affect i.LINK thru data (i.e., if the VIP G3 is between two i.LINK components, it will still pass data between them).

Set back to **[On]** (i.LINK ready) to be able to use the i.LINK interface.

13.8.2 Connections Setup

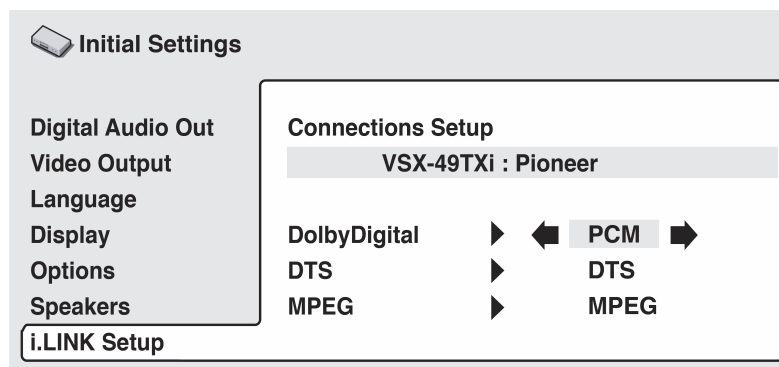
You only need to make this setting if you connected the VIP G3 to other equipment using the i.LINK interface [27](#).



This screen shows the equipment connected using the i.LINK interface.

Components which are able to receive i.LINK Audio are shown in black (an i.LINK receiver, for example); those which can't (a DV camcorder, for example) are shown in grey. If the VIP G3 can't display the name of a component, **[****]** is shown. If the name can't be determined, **[Unknown]** is displayed.

Select the component that you want to set up the audio output formats for.

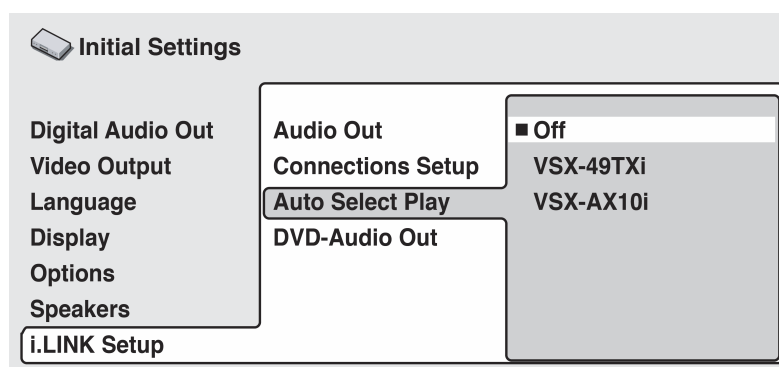


This screen shows the output settings for Dolby Digital, DTS and MPEG audio. Depending on the other component, these may be configured automatically. If the VIP G3 can't determine the appropriate settings, the defaults are **[Dolby Digital]**, **[DTS]** and **[PCM]**. If you need to change the settings, move the cursor right and make the new setting.

13.8.3 Auto Select Play

- Default setting: **[Off]**

You only need to make this setting if you connected the VIP G3 to other equipment using the i.LINK interface [27](#).

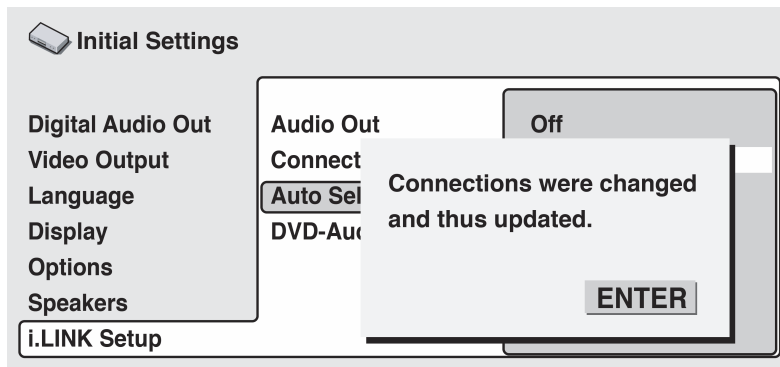


Using this setting you can specify up to five receivers to automatically switch input function to the VIP G3 when you start playback of a disc. Highlight a receiver from the list and press **OK** or **enter**.

The most recently selected component is marked with an orange box (■). The i.LINK output when playing Dolby Digital, DTS or MPEG discs will be as set for this component (see section 'Connections Setup' on page 114).

Select **[Off]** to reset all settings.

When the i.LINK connections are changed, the following screen appears.



Press **[OK]** or **[enter]** to return to the menu screen.



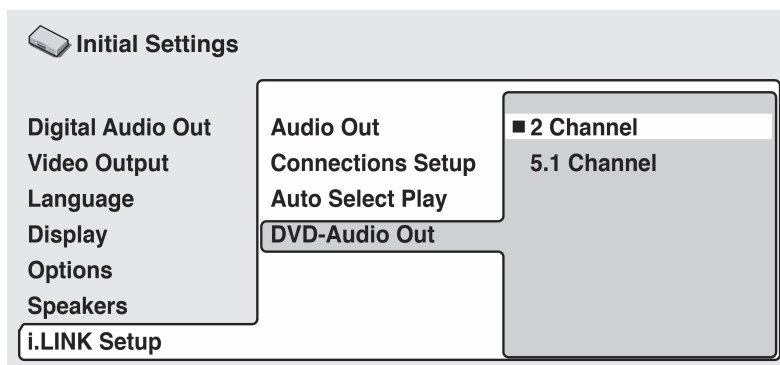
Note

- Whether a receiver from the list has been selected or not, the VIP G3 will start playback when you change the input function of the receiver to the VIP G3.
- Note that some AV receivers may not be compatible with this feature.

13.8.4 DVD Audio Out

- Default setting: **[5.1 Channel]**

You only need to make this setting if you connected the VIP G3 to other equipment using the i.LINK interface **[27]**.



Set this to **[5.1 Channel]** to enjoy surround sound when playing multi-channel discs.

To downmix a multi-channel source when using the i.LINK connection, set to **[2 Channel]** for stereo output.



Note

- When set to **[5.1 Channel]**, you'll only get sound from all speakers when playing multi-channel discs.
- Some DVD Audio discs don't allow downmixing of audio. These discs always output multi-channel audio regardless of the setting made here.

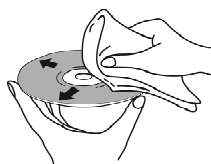
14 Additional information

14.1 Taking care of your player and discs

14.1.1 Handling discs

When holding discs of any type, take care not to leave fingerprints, dirt or scratches on the disc's surface. Hold the disc by its edge or by the center hole and edge. Damaged or dirty discs can affect playback performance. Take care also not to scratch the label side of the disc. Although not as fragile as the recorded side, scratches can still result in a disc becoming unusable.

Should a disc become marked with fingerprints, dust, etc., clean it using a soft, dry cloth, wiping the disc lightly from the center to the outside edge as shown in the diagram below.



Wipe lightly from the center of the disc using straight strokes.



Don't wipe the disc surface using circular strokes.

If necessary, use a cloth soaked in alcohol, or a commercially available CD/DVD cleaning kit to clean a disc more thoroughly. Never use benzine, thinner or other cleaning agents, including products designed for cleaning vinyl records.

14.1.2 Storing discs

Although CDs and DVD discs are more durable than vinyl records, you should still take care to handle and store discs correctly. When you're not using a disc, return it to its case and store it upright. Avoid leaving discs in excessively cold, humid, or hot environments (including under direct sunlight).

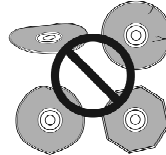
Don't glue paper or put stickers onto the disc, or use a pencil, ball-point pen or other sharp tipped writing instrument. These could all damage the disc.



For more detailed care information see the instructions that come with discs. Do not load more than one disc into the player at a time.

14.1.3 Discs to avoid

Discs spin at high speed inside the player. If you can see that a disc is cracked, chipped, warped, or otherwise damaged, don't risk using it in your VIP G3 - you could end up damaging it.



The VIP G3 is designed for use with conventional, fully circular discs only. Use of shaped discs is not recommended for this product. Audionet disclaims all liability arising in connection with the use of shaped discs.

14.1.4 Cleaning the pickup lens

The DVD player's lens should not become dirty in normal use, but if for some reason it should malfunction due to dust or dirt, consult your nearest Audionet authorized service center. Although lens cleaners for CD players are commercially available, we do not recommend using them since some may damage the lens.

14.1.5 Problems with condensation

Condensation may form inside the player if it is brought into a warm room from outside, or if the temperature of the room rises quickly. Although the condensation won't damage the player, it may temporarily impair its performance. For this reason you should leave it to adjust to the warmer temperature for about an hour before switching on and using.

14.1.6 Hints on installation

We want you to enjoy using this product for years to come, so please bear in mind the following points when choosing a suitable location for it:

Do...

- Use in a well-ventilated room.
- Place on a solid, flat, level surface, such as a table, shelf or stereo rack.
- Connect the unit to other components in stand-by mode only!

Don't...

- Use in a place exposed to high temperatures or humidity, including near radiators and other heat-generating appliances.
- Place on a window sill or other place where the VIP G3 will be exposed to direct sunlight.
- Use in an excessively dusty or damp environment.
- Place directly on top of an amplifier, or other component in your audio/video system that becomes hot in use.
- Use near a television or monitor as you may experience interference—especially if the television uses an indoor antenna.
- Use in a kitchen or other room where the player may be exposed to smoke or steam.
- Use on a thick rug or carpet, or cover with cloth—this may prevent proper cooling of the unit.
- Place on an unstable surface, or one that is not large enough to support all four of the unit's feet.

14.1.7 Moving the player

If you need to move the VIP G3, first press the **power** key on the front panel or key **Power Off** or **Power Toggle** of the remote control *Harmony Ultimate One* in **Device Mode** for the VIP G3 to turn off the VIP G3. Wait for **--OFF--** to disappear from the display, then unplug the power cable. Never lift or move the unit during playback – discs rotate at a high speed and may be damaged.

14.1.8 Power cable caution

Handle the power cable by the plug part. Do not pull out the plug by tugging the cable, and never touch the power cable when your hands are wet, as this could cause a short circuit or electric shock. Do not place the unit, a piece of furniture, or other object on the power cable or pinch the cable in any other way. Never make a knot in the cable or tie it with other cables. The power cables should be routed so that they are not likely to be stepped on. A damaged power cable can cause a fire or give you an electric shock. Check the power cable once in a while. If you find it damaged, ask your nearest Audionet authorized dealer for a replacement.

14.2 Screen sizes and disc formats

DVD Video discs come in several different screen aspect ratios, ranging from TV programs, which are generally 4:3, to CinemaScope widescreen movies, with an aspect ratio of up to about 7:3.

Televisions, too, come in different aspect ratios; standard 4:3 and widescreen 16:9.

14.2.1 Widescreen TV users

If you have a widescreen TV, the **[TV Screen]** setting (see section *'TV Screen'* on page 84) of the VIP G3 should be set to **[16:9 (Wide)]**.

When you watch discs recorded in 4:3 format, you can use the TV controls to select how the picture is presented. Your TV may offer various zoom and stretch options. See the instructions that came with your TV for details.

Please note that some movie aspect ratios are wider than 16:9, so even though you have a widescreen TV, these discs will still play in a 'letter box' style with black bars at the top and bottom of the screen. This is no malfunction.

14.2.2 Standard TV users

If you have a standard TV, the **[TV Screen]** setting (see section *'TV Screen'* on page 84) of the VIP G3 should be set to **[4:3 (Letter Box)]** or **[4:3 (Pan&Scan)]**, depending on which you prefer.

Set to **[4:3 (Letter Box)]**, widescreen discs are shown with black bars top and bottom. Set to **[4:3 (Pan&Scan)]**, widescreen discs are shown with left and right sides cropped. Although the picture looks larger, you don't actually see the whole picture. Please note that many widescreen discs override the settings of the VIP G3 so that the disc is shown in letter box format regardless of the setting.



Note

- Using the **[16:9 (Wide)]** setting with a standard 4:3 TV, or either of the **[4:3]** settings with a widescreen TV, will result in a distorted picture.

14.3 Resetting the player

Use this procedure to reset all the settings of your VIP G3 to the factory defaults:

1. **Switch the VIP G3 into stand-by and close cover.**
2. **Press and hold down front panel key stop and press power to switch the VIP G3 back on.**

All the settings of the VIP G3 are now reset and you should see the 'Let's Get Started' screen.



Important

- If you have a HDMI video connection you will see the HDMI setup menu.
- Please note the recommended settings in sections '*Factory default settings VIP G3*' on page 159 and '*Recommended setup for 2-channel analog usage*' on page 160. **Restore the settings listed in these sections manually depending on your application.**

14.4 About the audio output settings

The table below shows how the audio settings you make in the **[Digital Audio Out]** and **[Audio Output Mode]** screens (refer to section 'Digital Audio Out settings' on page 81 and section 'Audio Output Mode' on page 108) affect the output from the 2 channel and the 5.1 channel analog outputs, and from the optical and electrical digital outputs with various types of disc.

Disc audio format	Player setting	Front L/R analog outputs*1	Surround L/R, Center, LFE, analog outputs*1	Digital outputs	
				PCM converted*2	Bitstream*3
DVD	Dolby Digital	2 Ch	2 channel downmix	–	
		5.1 Ch	Front L / R	Surround L/R, Center, LFE	2 channel downmix
	Dolby Digital Karaoke	2 Ch/5.1 Ch	Left / Right	–	Left / Right
	Linear-PCM	2 Ch/5.1 Ch	Left / Right	–	Left / Right
	DTS	2 Ch	2 channel downmix	–	
		5.1 Ch	Front L / R	Surround L/R, Center, LFE	2 channel downmix
	MPEG	2 Ch/5.1 Ch	Left / Right	–	Left / Right
	DVD Audio	2 Ch	2 channel downmix *4	–	2 channel downmix
		5.1 Ch	Front L / R	Surround L/R, Center, LFE	–
	DVD-RW	2 Ch/5.1 Ch	Left / Right *5	–	Left / Right
	Super Audio CD	2 Ch	2 channel downmix	–	
		5.1 Ch	Front L / R	Surround L/R, Center, LFE	2 channel downmix
	CD	2 Ch/5.1 Ch	Left / Right	–	Left / Right
	DTS CD	2 Ch	2 channel downmix	–	
		5.1 Ch	Front L / R	Surround L/R, Center, LFE	DTS
	Video CD	2 Ch/5.1 Ch	Left / Right	–	Left / Right

*1 When **[Audio Output Mode]** is set to **[2 Channel]**, the **MAIN LEFT** [21] or [22] and **MAIN RIGHT** [24] or [23] jacks act as stereo audio outputs (refer to 'Back panel' on page 12).

*2 **[Dolby Digital > PCM]**, **[DTS > PCM]** or **[MPEG > PCM]** setting (refer to 'Digital Audio Out settings' on page 81).

*3 **[Dolby Digital]**, **[DTS]** or **[MPEG]** setting (refer to 'Digital Audio Out settings' on page 81).

*4 Discs that prohibit downmixing will be output as 5.1 channel even if **[2 Channel]** is selected for the **[Audio Output Mode]** setting (refer to 'Audio Output Mode' on page 108).

*5 If the sound is mono, the **Left** and **Right** channels will be the same.

14.5 About the HDMI output settings

The table below shows how the audio settings you make in the **[HDMI]** and **[Audio Output Mode]** screens (refer to sections '*HDMI Settings*' on page 103 and '*Audio Output Mode*' on page 108) affect the HDMI output with various types of disc.

Audio format		HDMI audio setting		
		Linear PCM	Auto	
DVD	Dolby Digital ^{*1}	2 channel downmix	Dolby Digital ^{*2}	
	Dolby Digital (Karaoke)	Left / Right	Dolby Digital ^{*2}	
	Linear-PCM ^{*1}	Left / Right	Left / Right	
	DTS	2 channel downmix	DTS ^{*2}	
	MPEG ^{*1}	Left / Right	MPEG ^{*2}	
	DVD Audio (with CPPM)	5.1 channels ^{*3}		
	DVD Audio (w/out CPPM)	5.1 channels		
CD / MP3		Left / Right		
DTS-CD		DTS		
Video CD		Left / Right		
		SACD Playback		
		2 ch Area	Multi-ch Area	CD Area
Super Audio-CD		— ^{*4}	— ^{*4}	Left / Right ^{*5}

^{*1} These formats include DVD-RW discs.

^{*2} If the HDMI device you are using is not compatible with these compressed formats, the signal is output as Linear PCM.

^{*3} If the connected component is not compatible to DVD Audio with CPPM, it is not possible to output CPPM copy-controlled DVD Audio sources from the HDMI connection (see section '*HDMI output with DVD Audio sources*' on page 125).

^{*4} It is not possible to listen to SACDs using the HDMI connection.

^{*5} Only applicable to discs that have a CD area.

14.6 HDMI output with DVD Audio sources

DVD Audio sources often have high sample rates (such as 192 kHz / 24 Bit / 2-ch or 96 kHz / 24 Bit / 6-ch), and the way they are output from the HDMI connector [26] will depend on the specification of the connected component.

Component specification	Format		Speakers Audio Output Mode (see page 108)
	2 channel	5.1 channel	
HDMI Ver. 1.1 (DVD Audio and 5.1 channel compatible)	2 channel	5.1 channel ^{*2*3}	set to [5.1 Channel]
HDMI Ver. 1.1 (DVD Audio and 2 channel compatible) ^{*1}	2 channel	Left / Right or 2 channel downmix ^{*4}	set to [2 Channel]
HDMI Ver. 1.1 (incompatible with DVD Audio) or only HDMI Ver. 1.0 ^{*1}	no sound ^{*4}	no sound ^{*5}	

- ^{*1} The VIP G3 checks the specifications of the connected component (such as sample rate, multi-channel limitations and CPPM compatibility) and outputs the signal accordingly. Note that 'DVD Audio compatible' indicates compatibility with CPPM (Content Protection for Pre-recorded Media).
- ^{*2} If the speakers audio output mode (see section '*Audio Output Mode*' on page 108) is set to **[2-Channel]**, multi-channel sources will be downmixed to stereo. In cases where the source is downmix-prohibited, the output is 5.1 channel audio.
- ^{*3} If the video output resolution is **[VGA]**, **[720x480/576p]** or **[720x480/576i]**, audio output may be limited to 2 channel, depending on the connected component.
- ^{*4} If the speakers audio output mode (see section '*Audio Output Mode*' on page 108) is set to **[2-Channel]**, multi-channel sources will be downmixed to stereo. In cases where the source is downmix-prohibited, only the front left/right channels are output.
- ^{*5} If the display in the front panel shows **CPPM**, it means it is not possible to output CPPM copy-controlled DVD Audio sources from the HDMI [26] connection. Discs with no CPPM protection are limited to 2 channel output.

14.7 About the i.LINK output settings

The table below shows how the audio settings you make in the **[SACD Playback]**, **[DVD Audio Out]** and **[Connection Setup]** screens (see section 'SACD Playback' on page 102, section 'DVD Audio Out' on page 116 and section 'Connections Setup' on page 114) affect the i.LINK audio output with various types of disc.

Audio format		Connections setup	
		Bitstream ^{*1}	Bitstream > PCM ^{*2}
DVD	Dolby Digital	Dolby Digital	2 channel downmix
	Dolby Digital (Karaoke)	Dolby Digital	Left / Right
	Linear-PCM	Left / Right	Left / Right
	DTS	DTS	2 channel downmix
	MPEG ^{*1}	MPEG	Left / Right
	DVD-RW (Mono, Dual-Mono, 2 ch.)	Left / Right	Left / Right
	DVD-RW (3 ch. or more)	Dolby Digital / MPEG	Left / Right
		DVD Audio Out	
		2 Channel	5.1 Channel
	DVD Audio	2 channel downmix	multi-channel
CD / MP3		Left / Right	
DTS-CD		DTS	
Video CD		Left / Right	
		SACD Playback	
		2 ch Area	Multi-ch Area CD Area
Super Audio-CD		Left / Right	multi-channel ^{*3} Left / Right ^{*4}

^{*1} **[Dolby Digital]**, **[DTS]** or **[MPEG]** setting (see section 'Connections Setup' on page 114).

^{*2} **[PCM]** setting (see section 'Connections Setup' on page 114).

^{*3} Only applicable to discs that have a multi-channel area.

^{*4} Only applicable to discs that have a CD area.

14.8 Country Code list

Country, Country Code, Country Code letter

Argentina	0118	ar	Hong Kong	0811	hk	Philippines	1608	ph
Australia	0121	au	India	0914	in	Portugal	1620	pt
Austria	0120	at	Indonesia	0904	id	Russian Federation	1821	ru
Belgium	0205	be	Italy	0920	it	Singapore	1907	sg
Brazil	0218	br	Japan	1016	jp	Spain	0519	es
Canada	0301	ca	Korea, Republic of	1118	kr	Switzerland	0308	ch
Chile	0312	cl	Malaysia	1325	my	Sweden	1905	se
China	0314	cn	Mexico	1324	mx	Taiwan	2023	tw
Denmark	0411	dk	Netherlands	1412	nl	Thailand	2008	th
Finland	0609	fi	New Zealand	1426	nz	United Kingdom	0702	gb
France	0618	fr	Norway	1415	no	USA	2119	us
Germany	0405	de	Pakistan	1611	pk			

14.9 Language Code list

Language (Language Code letter), Language Code

Japanese	(ja)	1001	Estonian	(et)	0520	Lingala	(ln)	1214	Slovak	(sk)	1911
English	(en)	0514	Basque	(eu)	0521	Laothian	(lo)	1215	Slovenian	(sl)	1912
French	(fr)	0618	Persian	(fa)	0601	Lithuanian	(lt)	1220	Samoan	(sm)	1913
German	(de)	0405	Finnish	(fi)	0609	Latvian	(lv)	1222	Shona	(sn)	1914
Italian	(it)	0920	Fiji	(fj)	0610	Malagasy	(mg)	1307	Somali	(so)	1915
Spanish	(es)	0519	Faroeese	(fo)	0615	Maori	(mi)	1309	Albanian	(sq)	1917
Dutch	(nl)	1412	Frisian	(fy)	0625	Macedonian	(mk)	1311	Serbian	(sr)	1918
Russian	(ru)	1821	Irish	(ga)	0701	Malayalam	(ml)	1312	Siswati	(ss)	1919
Chinese	(zh)	2608	Scots-Gaelic	(gd)	0704	Mongolian	(mn)	1314	Sesotho	(st)	1920
Korean	(ko)	1115	Galician	(gl)	0712	Moldavian	(mo)	1315	Sundanese	(su)	1921
Greek	(el)	0512	Guarani	(gn)	0714	Marathi	(mr)	1318	Swedish	(sv)	1922
Afar	(aa)	0101	Gujarati	(gu)	0721	Malay	(ms)	1319	Swahili	(sw)	1923
Abkhazian	(ab)	0102	Hausa	(ha)	0801	Maltese	(mt)	1320	Tamil	(ta)	2001
Afrikaans	(af)	0106	Hindi	(hi)	0809	Burmese	(my)	1325	Telugu	(te)	2005
Amharic	(am)	0113	Croatian	(hr)	0818	Nauru	(na)	1401	Tajik	(tg)	2007
Arabic	(ar)	0118	Hungarian	(hu)	0821	Nepali	(ne)	1405	Thai	(th)	2008
Assamese	(as)	0119	Armenian	(hy)	0825	Norwegian	(no)	1415	Tigrinya	(ti)	2009
Aymara	(ay)	0125	Interlingua	(ia)	0901	Occitan	(oc)	1503	Turkmen	(tk)	2011
Azerbaijani	(az)	0126	Interlingue	(ie)	0905	Oromo	(om)	1513	Tagalog	(tl)	2012
Bashkir	(ba)	0201	Inupiak	(ik)	0911	Oriya	(or)	1518	Setswana	(tn)	2014
Byelorussian	(be)	0205	Indonesian	(in)	0914	Panjabi	(pa)	1601	Tonga	(to)	2015
Bulgarian	(bg)	0207	Icelandic	(is)	0919	Polish	(pl)	1612	Turkish	(tr)	2018
Bihari	(bh)	0208	Hebrew	(iw)	0923	Pashto, Pushto	(ps)	1619	Tsonga	(ts)	2019
Bislama	(bi)	0209	Yiddish	(ji)	1009	Portuguese	(pt)	1620	Tatar	(tt)	2020
Bengali	(bn)	0214	Javanese	(jw)	1023	Quechua	(qu)	1721	Twi	(tw)	2023
Tibetan	(bo)	0215	Georgian	(ka)	1101	Rhaeto-Romance	(rm)	1813	Ukrainian	(uk)	2111
Breton	(br)	0218	Kazakh	(kk)	1111	Kirundi	(rn)	1814	Urdu	(ur)	2118
Catalan	(ca)	0301	Greenlandic	(kl)	1112	Romanian	(ro)	1815	Uzbek	(uz)	2126
Corsican	(co)	0315	Cambodian	(km)	1113	Kinyarwanda	(rw)	1823	Vietnamese	(vi)	2209
Czech	(cs)	0319	Kannada	(kn)	1114	Sanskrit	(sa)	1901	Volapük	(vo)	2215
Welsh	(cy)	0325	Kashmiri	(ks)	1119	Sindhi	(sd)	1904	Wolof	(wo)	2315
Danish	(da)	0401	Kurdish	(ku)	1121	Sangho	(sg)	1907	Xhosa	(xh)	2408
Bhutani	(dz)	0426	Kirghiz	(ky)	1125	Serbo-Croatian	(sh)	1908	Yoruba	(yo)	2515
Esperanto	(eo)	0515	Latin	(la)	1201	Sinhalese	(si)	1909	Zulu	(zu)	2621

14.10 *Selecting languages using the Language Code list*

Some of the language options (such as **[DVD Language]** in the Setup Navigator) allow you to set your preferred language from any of the 136 languages listed in the Language Code list on page 127.

1. Select **[Other Language]**.
2. Use cursor keys ◀ and ▶ to select either a code letter or a code number.
3. Use cursor keys ▲ and ▼ to select a code letter or a code number.

You can also use the number keys if you're entering a Language Code. Refer to '*Language Code list*' on page 127 for a complete list of languages and codes.

14.11 *Glossary*

Analog audio

An electrical signal that directly represents sound. Compare this to digital audio which can be an electrical signal, but is an indirect representation of sound. See also *Digital audio*.

Aspect ratio

The width of a TV screen relative to its height. Conventional TVs are 4:3 (in other words, the screen is almost square); widescreen models are 16:9 (the screen is almost twice as wide as it is high).

Bonus group (DVD Audio only)

An 'extra' group on some DVD Audio discs that requires a key number to access.

Browsable pictures (DVD Audio only)

A feature of some DVD Audio discs in which the user can browse still pictures recorded on the disc as the audio is played. See also *Slideshow (DVD, Video CD)*.

Digital audio

An indirect representation of sound by numbers. During recording, the sound is measured at discrete intervals (44,100 times a second for CD audio) by an analog-to-digital converter, generating a stream of numbers. On playback, a digital-to-analog converter generates an analog signal based on these numbers. See also *Sampling frequency* and *Analog audio*.

Dolby Digital



Using a maximum of 5.1 channels of audio, this high quality surround system is used in many of the finer movie theaters around the world. The on-screen display shows which channels are active, for example showing 3/2.1. The 3 being the two front channels and the center channel; the 2 being the surround channels, and the .1 being the LFE channel.

'Dolby' and the double-D symbol are trademarks of Dolby Laboratories.

DTS



DTS stands for Digital Theater Systems. DTS is a surround system different from Dolby Digital that has become a popular surround sound format for movies.

'DTS' and 'DTS Digital Surround' are registered trademarks of Digital Theater Systems, Inc.

Dynamic range

The difference between the quietest and loudest sounds possible in an audio signal (without distorting or getting lost in noise). Dolby Digital and DTS soundtracks are capable of a very wide dynamic range, delivering dramatic cinema-like effects.

File extension

A tag added to the end of a filename to indicate the type of file. For example, '.mp3' indicates an MP3 file.

i.LINK

i.LINK is a trademark name of IEEE 1394, a high-speed digital interface capable of carrying audio, video and other types of data. The VIP G3 outputs only audio data using the i.LINK interface.

i.LINK and the i.LINK logo are trademarks of Sony Corporation.

HDMI

HDMI (High-Definition Multimedia Interface) is a high-speed digital interface which has the capability to support standard, enhanced, or high-definition video plus standard to multi-channel surround-sound audio on a single digital connection. HDMI features include uncompressed digital video, a bandwidth of up to 5 gigabytes per second and communication between the AV source and AV devices such as DTVs

HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI licensing LLC.

Interlaced Video

A method of displaying a picture in which odd-numbered lines are updated in one pass, then even-numbered lines updated in the next. See also *Progressive scan video*.

ISO 9660 format

International standard for the volume and file structure of CD-ROM discs.

MP3

MP3 (MPEG1 audio layer 3) is a compressed audio file format. Files are recognized by their file extension '.mp3' or '.MP3'.

MPEG audio

An audio format used on Video CD/Super VCDs and some DVD discs. The VIP G3 can convert MPEG audio to PCM format for wider compatibility with digital recorders and AV amplifiers. See also *PCM (Pulse Code Modulation)*.

MPEG video

The video format used for Video CD / Super VCDs and DVDs. Video CD / Super VCD uses the older MPEG-1 standard, while DVD uses the newer and much better quality MPEG-2 standard.

Packed PCM (DVD Audio only)

A lossless compression system that enables more PCM audio to be stored on a DVD Audio disc than would otherwise be possible.

PBC (PlayBack) (Video CD/Super VCD only)

A system of navigating a Video CD/Super VCD through on-screen menus recorded onto the disc. Especially good for discs that you would normally not watch from beginning to end all at once - karaoke discs, for example.

PCM (Pulse Code Modulation)

The most common system of encoding digital audio, found on CDs and DAT. Excellent quality, but requires a lot of data compared to formats such as Dolby Digital and MPEG audio. For compatibility with digital audio recorders (CD, MD and DAT) and AV amplifiers with digital inputs, this unit can convert Dolby Digital, DTS and MPEG audio to PCM. See also *Digital audio*.

Progressive scan video

Also called non-interlaced video, this method of displaying a picture updates all the lines in one pass, resulting in a more stable, flicker free image than interlaced video (for a given scanning rate). See also *Interlaced Video* and '*About progressive scan video*' on page 15.

Regions (DVD Video only)

These associate discs and players with particular areas of the world. This unit will only play discs that have compatible region codes. Some discs are compatible with more than one region (or all regions).

S1 S-Video output

This S-Video signal format includes aspect ratio information (4:3 or 16:9) within the video signal. TVs which are compatible with S1 S-Video automatically switch aspect ratio according to the signal.

S2 S-Video output

S2 is an enhanced version of S-Video which, in addition to aspect ratio information, contains letterbox / pan & scan information. Widescreen TVs which are compatible with S2 S-Video automatically switch aspect ratio according to the signal.

Sampling frequency

The rate at which sound is measured to be turned into digital audio data. The higher the rate, the better the sound quality, but the more digital information is generated. Standard CD audio has a sampling frequency of 44.1kHz, which means 44,100 samples (measurements) per second. See also *Digital audio*.

Slideshow (DVD, Video CD)

A feature of some DVD discs in which still pictures recorded on the disc cycle automatically as the audio is played. See also *Browsable pictures (DVD Audio only)*.

Super Audio CD (SACD)

Super Audio CD is a high quality audio disc format that can accommodate high sampling rate stereo and multi-channel audio, as well as conventional CD audio all on the same disc.

14.12 Troubleshooting

Incorrect operation and operator errors are often mistaken for trouble or malfunction. If you think that there is something wrong with this component, check the points below. Sometimes the trouble may lie in another component. Inspect the other components and electrical appliances being used. If the trouble cannot be rectified after checking the items below, contact your Audionet authorized dealer.

14.12.1 General

Problem	Remedy
The disc won't play after reading.	<ul style="list-style-type: none">• Make sure the disc is free from dirt and dust and is not damaged (refer to <i>'Taking care of your player and discs'</i> on page 118).• Make sure the disc is loaded with the label side face-up and that the stabilizer gives the disc a centred and level position.• Incompatible region number: If the region number on a DVD Video disc does not match the number on the player, the disc cannot be used (refer to <i>'Playable disc types'</i> on page 23).• Condensation inside the VIP G3: Allow time for condensation to evaporate. Avoid using the player near an air-conditioning unit.
DVD Audio playback stops.	<ul style="list-style-type: none">• The disc may have been illegally copied.
Picture playback stops and the operation keys cannot be used.	<ul style="list-style-type: none">• Press ■, then start playback again (▶).• Switch the power off once, unplug the wall socket, then plug back in and switch on again by pressing power on the front plate.
New settings made in the Setup screen menus while a disc is playing are ineffective.	<ul style="list-style-type: none">• Some settings can be changed while a disc is playing, but are not effective until the disc is stopped then restarted: Press ■, then start playback again (▶).
Settings are cancelled.	<ul style="list-style-type: none">• When the power is cut due to power failure or by unplugging the power cord during operation, settings will be cancelled. Refer to <i>'Moving the player'</i> on page 120 for proper shutdown instructions.

14.12.2 DVD/CD/Video CD/Super VCD playback

Problem	Remedy
The remote control doesn't seem to work.	<ul style="list-style-type: none"> The remote control is too far from the VIP G3, or the angle with the remote sensor is too wide: Use the remote within its operating range. The batteries are exhausted: Put in new ones (refer to the user's manual of the remote control SRC).
No picture / no colour.	<ul style="list-style-type: none"> Check if the switch Video 4 at the back panel is in position off. If so, activate the video outputs by flipping switch 4 into position on (refer to section '<i>Back panel</i>' on page 12 and '<i>Video outputs</i>' on page 140). Incorrect video connections: Check that connections are correct and that plugs are inserted fully. Also check the video cable for damage. TV/monitor or AV amplifier settings are incorrect: Check the instruction manual of the connected equipment. The video output is set to progressive but your TV/monitor is not compatible with progressive scan: Enter [Setup Navigator] and switch off the [Progressive] function to switch video output to interlaced video (refer to '<i>About progressive scan video</i>' on page 15).
Screen is stretched or aspect does not change.	<ul style="list-style-type: none"> The [TV Screen] settings in the [Initial Settings] menu is incorrect. Refer to section '<i>TV Screen</i>' on page 84 for how to set it correctly for your TV/monitor. If your TV/monitor is connected using S-Video cable, try changing the [S-Video Out] setting (refer to '<i>S-Video Out</i>' on page 87).
Picture disturbance during playback or dark.	<ul style="list-style-type: none"> The VIP G3 is compatible with Macro-Vision System copy guard. Some discs include a copy prevention signal, and when this type of disc is played back, stripes etc. may appear on some sections of the picture depending on the TV. This is not a malfunction. Due to the copy protection circuits of the VIP G3, connection of this device through a VCR or an AV selector may prevent recording or cause picture problems. This is not a malfunction. The TV system may be set inappropriately. Refer to '<i>Setting the TV system</i>' on page 27.
No audio, or audio is distorted.	<ul style="list-style-type: none"> No audio is output during slow motion playback or when scanning discs other than audio CDs. Check that the disc is free from dust and dirt, and that it is not damaged (refer to section '<i>Taking care of your player and discs</i>' on page 118). Check that all interconnections are firmly inserted.

	<ul style="list-style-type: none"> • Check that the plugs and terminals are free of dirt, oxide, etc. and clean if necessary. Also check the cable for damage. • Make sure the VIP G3 is not connected to the amplifier's phono (turntable) inputs. • Check your amplifier/receiver's settings (volume, input function, speaker settings, etc.). • If the i.LINK interface is active, all other audio outputs are switched off. See section '<i>Audio Out</i>' on page 114 for how to switch it off.
Analog audio is OK, but there appears to be no optical / coaxial digital audio signal.	<ul style="list-style-type: none"> • Make sure that the switch [11] on the back panel is in position H bit or L bit (refer to '<i>Digital audio outputs</i>' on page 143). • Check if the HighBit/LowBit settings are correct depending on the device your VIP G3 is connected to. • Check that the [Dolby Digital Out], [DTS Out] and [MPEG Out] settings (refer to '<i>Digital Audio Out settings</i>' on page 81) are suitable for your amplifier/receiver – check the user's manual that came with your amplifier/receiver.
Noticeable difference in DVD, SACD and CD volume.	<ul style="list-style-type: none"> • This is due to differences in the audio format and is not a malfunction.
Cannot play multi-channel audio.	<ul style="list-style-type: none"> • Make sure that [Audio Output Mode] is set to [5.1 Channel] (refer to '<i>Audio Output Mode</i>' on page 108). • Check that the [Dolby Digital Out], [DTS Out] and [MPEG Out] settings (refer to '<i>Digital Audio Out settings</i>' on page 81) are suitable for your amplifier/receiver – check the user's manual that came with your amplifier/receiver. • Check that the settings in the [Speaker Installation] menu (see section '<i>Speaker Installation</i>' on page 109) are correct. • Check the audio options available from the disc menu.
Cannot output 192 kHz or 176.4 kHz digital audio from optical/coaxial outputs.	<ul style="list-style-type: none"> • The VIP G3 outputs digital audio at high sampling rates in HighBit mode only (compatible to Audionet MAP V2.0 and MAP 1 only!). • In LowBit mode the digital audio signal is downsampled to 96/88.2 kHz automatically.
No output of 96 kHz or 88.2 kHz digital audio from the optical/coaxial outputs.	<ul style="list-style-type: none"> • Check if the digital outputs are deactivated. Activate them if necessary (refer to section '<i>Digital audio outputs</i>' on page 143). • Make sure the component the VIP G3 is connected to is compatible to 88.2 kHz and 96 kHz.
No DTS audio output from optical/coaxial output.	<ul style="list-style-type: none"> • If the VIP G3 is connected to a non-DTS compatible amplifier or decoder using a digital audio cable, set [DTS Out] to [DTS > PCM]. If you do not do this,

	<p>noise will be output when you play a DTS disc.</p> <ul style="list-style-type: none"> If the VIP G3 is connected to a DTS compatible amplifier or decoder using a digital audio cable, check the amplifier settings, and that the cable is properly connected.
Audio mix does not sound right or sounds incomplete (for example, inaudible dialog).	<ul style="list-style-type: none"> Make sure that [Audio Output Mode] is set to [2 Channel] if you've connected to the stereo inputs on your amplifier or TV (refer to '<i>Audio Output Mode</i>' on page 108).
Disc containing MP3 tracks won't play.	<ul style="list-style-type: none"> The VIP G3 is compatible with multisession discs, but only plays sessions that are closed. If the message UNPLAYABLE is displayed when you try to play a disc/track, check the audio file formats (refer to '<i>MP3 discs</i>' on page 24).
Can't hear effect of TruSurround.	<ul style="list-style-type: none"> TruSurround does not work with CD, MP3, DVD Audio, SACD or 96 kHz linear PCM DVD. The TruSurround effect is only output through the MAIN LEFT [21] or [22] and MAIN RIGHT [24] or [23] audio outputs (refer to '<i>Back panel</i>' on page 12). Make sure that [Audio Output Mode] is set to [2 Channel] (refer to '<i>Audio Output Mode</i>' on page 108). The effectiveness of TruSurround varies with the disc.
The audio on a Super VCD disc is not output correctly.	<ul style="list-style-type: none"> If the audio is switched to [2] when playing a Super VCD that contains only one stereo soundtrack, there may be no sound at all. Press [Audio] to change the soundtrack.

14.12.3 HDMI troubleshooting

Problem	Remedy
No HDMI audio output.	<ul style="list-style-type: none"> The VIP G3 has been designed to be compliant with HDMI (High Definition Multimedia Interface) Version 1.1. Depending on the component you have connected, unreliable signal transfers may result. You won't hear any sound from the HDMI output [26] if the source component is only DVI/HDCP-compatible. It is not possible to output SACDs from the HDMI connection [26]. Make sure that you've selected the VIP G3 as the HDMI input in the settings for the component you're using. You may need to refer to the user's manual of the component. Check that the HDMI cable is connected properly and that the cable isn't damaged. Check that components connected using the HDMI interface are switched on and HDMI compatible. An HDMI connection can only be made with components compatible with both DVI and High Bandwidth Digital Content Protection (HDCP).
No HDMI video output	<ul style="list-style-type: none"> Make sure that you've selected the VIP G3 as the HDMI input in the settings for the component you're using. You may need to refer to the user's manual of the component. It is not possible to output SACD sources from the HDMI connection. Check that the HDMI cable is connected properly and that the cable isn't damaged. Check that components connected using the HDMI interface are switched on and HDMI compatible. An HDMI connection can only be made with components compatible with both DVI and High Bandwidth Digital Content Protection (HDCP). The VIP G3 has been designed to be compliant with HDMI (High Definition Multimedia Interface) Version 1.1. Depending on the component you have connected, unreliable signal transfers may result. Use high-quality HDMI cables no longer than 7 m (max.). Make sure that the resolution on the VIP G3 matches that of the component you have connected using HDMI (refer to '<i>HDMI Settings</i>' on page 103 to change the HDMI resolution).
No multi-channel HDMI audio.	<ul style="list-style-type: none"> Make sure the [Audio] setting in the HDMI menu is set to [Auto] (refer to '<i>HDMI Settings</i>' on page 103 to change the audio setting).
A connected DVI component (with HDCP) doesn't work with the VIP G3.	<ul style="list-style-type: none"> The VIP G3 has been designed to be compliant with HDMI (High Definition Multimedia Interface) Version 1.1. Depending on the component you have connected, using a DVI connection may result in unreliable signal transfers.
Colour problems occur with your monitor after changing [Video Adjust] (page 77) or [Video Memory] (page 78)	<ul style="list-style-type: none"> You can correct this by choosing an input setting on your monitor according to the settings you've selected in the setup menus of the VIP G3.

14.12.4 i.LINK troubleshooting

Problem	Remedy
No i.LINK audio output	<ul style="list-style-type: none"> • Check that your AV receiver is DTCP (Digital Transmission Copy Protection) compatible. • Check that your AV receiver is compatible with the type of disc that you're trying to play (for example, SACD). • Check that your AV receiver is set to the correct input. • Check that the i.LINK cable is connected properly and that the cable isn't damaged. Use an i.LINK cable no longer than 3.5 m. • Check that components connected using the i.LINK interface are switched on and i.LINK Audio compatible. Do not connect DV format players/recorders or personal computers. • Check that the i.LINK setting [Audio Out] is set to [On] (see section 'Audio Out' on page 114).
Auto Select Play doesn't work.	<ul style="list-style-type: none"> • Make sure that the receiver has been selected in the [Auto Select Play] menu (see section 'Auto Select Play' on page 115). • Make sure that i.LINK menu item [Audio Out] is set to [On] (see section 'Audio Out' on page 114). • Auto Select Play doesn't work while the display at the front panel shows LINE CHECK (see section 'i.LINK-related messages' on page 139).
i.LINK audio is temporarily interrupted.	<ul style="list-style-type: none"> • Consult list of messages in section 'i.LINK-related messages' on page 139 for possible causes.
No multi-channel i.LINK audio.	<ul style="list-style-type: none"> • For multi-channel SACD playback, make sure that [SACD Playback] is set to [Multi-ch Area] (see section 'SACD Playback' on page 102). • For multi-channel DVD Audio playback, make sure that [Audio Output Mode] is set to [5.1 Channel] (see section 'Audio Output Mode' on page 108).
Playback starts automatically when the input function of AV receiver is changed to this player.	<ul style="list-style-type: none"> • This is an i.LINK feature and not a malfunction.
A connected i.LINK component doesn't work with this player.	<ul style="list-style-type: none"> • Depending on the connected component, the VIP G3 may not work properly with it. See also the operating instructions that came with the other component.

14.12.5 i.LINK-related messages

You may see the following messages in the display of the front panel when using the i.LINK interface.

LINK CHECK

The VIP G3 is checking the i.LINK network. It does this, for example, when components are added or removed from the network. The sound may be interrupted if this happens during playback.

PQLS ON

Displayed when the VIP G3 receives a rate control request from the receiver during playback. The sound may be interrupted momentarily when this happens. Note that PQLS feature works only when the VIP G3 is connected to a single receiver.

PQLS OFF

Displayed when the VIP G3 receives a rate control off request from the receiver during playback. The sound may be interrupted momentarily when this happens.

LOOP CONNECT

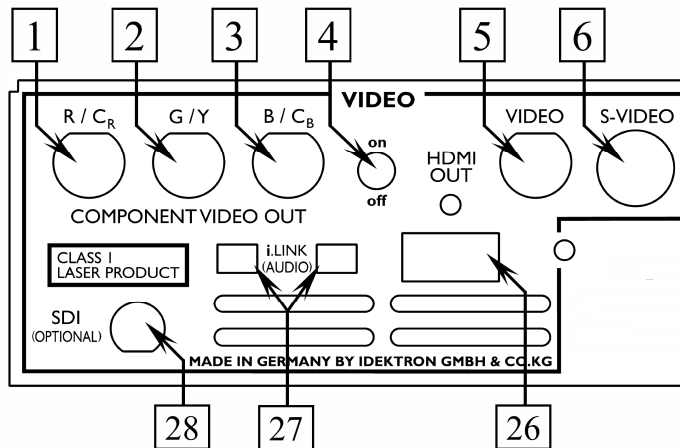
The i.LINK network cannot function because it is connected in a loop (see section '*Creating an i.LINK network*' on page 152).

BUS FULL

The i.LINK bus has reached its capacity and cannot transmit any more data.

15 Connections and options on the back panel

15.1 Video outputs



1 Video output R/C_R

Use this video output (in conjunction with outputs **2** and **3**), if you connect the VIP G3 to a display device (TV, monitor, projector etc.) compatible to component video (interlaced or progressive). The signal available at this video output depends on your setting of the on-screen menu **[AV Connector Out]**: Select **[RGB]** for Red (R) signal output (interlaced only). Select **[YUV]** for U (C_R) signal output (interlaced or progressive).

2 Video output G/Y

Use this video output (in conjunction with outputs **1** and **3**), if you connect the VIP G3 to a display device (TV, monitor, projector etc.) compatible to component video (interlaced or progressive). The signal available at this video output depends on your setting of the on-screen menu **[AV Connector Out]**: Select **[RGB]** for Green (G) signal output (interlaced only). Select **[YUV]** for Y signal output (interlaced or progressive).

3 Video output B/C_B

Use this video output (in conjunction with outputs **1** and **2**), if you connect the VIP G3 to a display device (TV, monitor, projector etc.) compatible to component video (interlaced or progressive). The signal available at this video output depends on your setting of the on-screen menu **[AV Connector Out]**: Select **[RGB]** for Blue (R) signal output (interlaced only). Select **[YUV]** for V (C_B) signal output (interlaced or progressive).



Note

Consult sections 'Component Out' and 'AV Connector Out' on page 85 for more information how to setup the video output formats correctly.


4 Selector video on/off

Use this switch to turn video outputs on or off. The switch works only on the analog video outputs.

5 Video output Composite (CVBS)

This video output provides the video signal in composite (CVBS) format. Connect a TV or monitor compatible to the composite (CVBS) video format here.

6 Video output S-Video (Y/C)

Video output  provides the video signal in S-Video (Y/C) format. Before you connect a display device (like TV, monitor, projector, VCR etc.) to this output, make sure the device is compatible to the S-Video (Y/C) format.

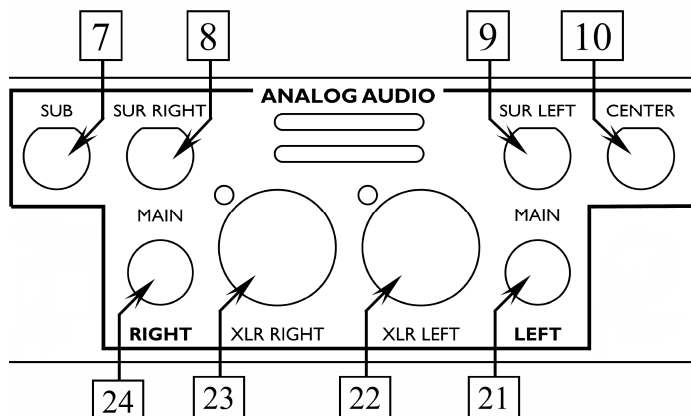
26 Digital video output (HDMI)

Connect a display device (TV, monitor, projector etc.) to this video output that is compatible to the HDMI interface. For more information regarding HDMI please refer to sections '*About HDMI*' on page 149 and '*HDMI Settings*' on page 103.

28 SDI video output

Connect a display device (TV, monitor, projector etc.) to this video output that is compatible to SDI video. **The SDI output of the VIP G3 is optional.**

15.2 Analog audio outputs



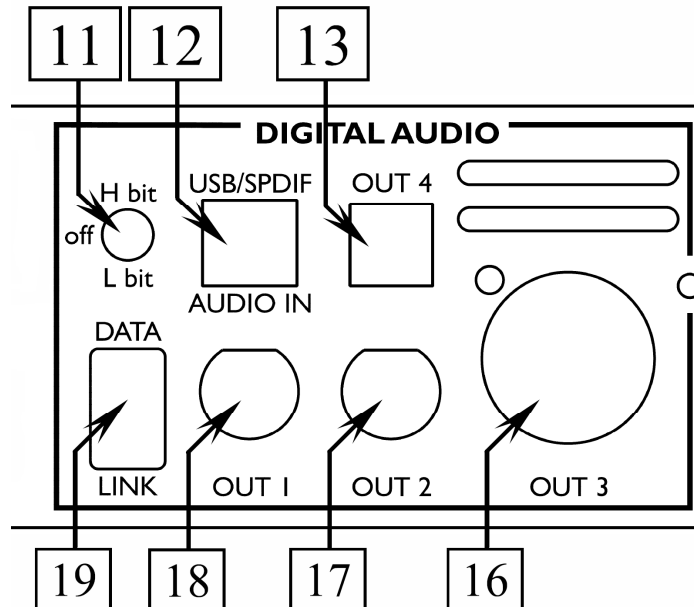
- 7 Analog output Subwoofer**
Output of analog Subwoofer channel (during multi-channel playback).
- 8 Analog output Right Surround**
Output of analog Right Surround channel (during multi-channel playback).
- 9 Analog output Left Surround**
Output of analog Right Surround channel (during multi-channel playback).
- 10 Analog output Center**
Output of analog Center channel (during multi-channel playback).
- 21 Analog output Main Left (Cinch)**
Analog audio output Front/Main Left, Cinch.
- 22 Analog output Main Left (balanced)**
Analog audio output Front/Main Left, XLR/balanced.
- 23 Analog output Main Right (balanced)**
Analog audio output Front/Main Right, XLR/balanced.
- 24 Analog output Main Right (Cinch)**
Analog audio output Front/Main Right, Cinch.



Note

The availability of signals depends on settings preferences (refer to section '*Speakers*' on page 108) and the multi-channel audio format on the disc playing.

15.3 Digital audio outputs



11 Selector for digital audio output format

To switch off all digital outputs bring switch **11** in position **off**. If you need one or more digital audio outputs put switch **11** in position **H bit** or **L bit** according to the desired digital audio output format (refer to section 'Digital output formats' on page 145 for detailed information on digital audio output formats).



Important

- In case you don't need any of the digital audio outputs, do not use shorting plugs for termination of the digital audio outputs. Put switch **11** in position **off** instead to switch off all digital audio outputs.

12 USB/SPDIF digital audio input

Digital audio input to connect a personal computer to the VIP G3 for playback of music and sound files using the sophisticated D/A-converters of the front channels. The VIP G3 is recognized as 'USB Audio Device' by the operating system of your computer (for example, Windows XP^{*1}). Use a standard audio player (for example, Windows Media Player^{*1}) to playback your music over the VIP G3.

Via an optional adapter cable the USB input can be used as SPDIF input for connecting CD players, DAT recorders etc. (refer to section 'USB/SPDIF digital audio input' on page 154).

^{*1} 'Microsoft Windows' and 'Windows Media Player' are registered trademarks of Microsoft Corporation and were only used for information purposes.

13 Digital output OUT 4 (optical/TOSLink)

Connecter a PCM-, Dolby Digital-, DTS- and/or MPEG- compatible AV receiver to the optical digital output **OUT 4** using an optical (TOSLink) cable).

16 Digital output OUT 3 (AES/EBU)

The digital audio signal is available at output **OUT 3** in the AES/EBU format depending on the position of switch 11.

17 Digital output OUT 2 (SPDIF)

The digital audio signal is available at output **OUT 2** in the SPDIF format depending on the position of switch 11.

18 Digital output OUT 1 (SPDIF)

The digital audio signal is available at output **OUT 1** in the SPDIF format depending on the position of switch 11.

19 Digital output DATA LINK

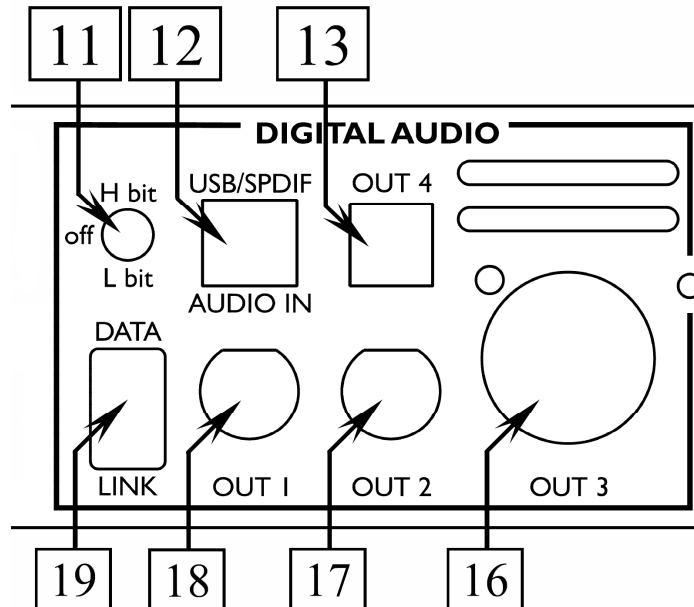
The digital audio output **DATA LINK** is only for connecting the VIP G3 to an Audionet pre amplifier with a **DATA LINK** input (for example, Audionet MAP 1). The digital output signal depends on the position of switch 11.



Important

- Switch 11 has to be either in position **H bit** or **L bit** to have a signal on the digital audio outputs. In position **off**, all digital audio outputs are switched off.
- For detailed information on output format of the digital audio outputs **OUT 1** to **4** and **DATA LINK** please refer to section '*Digital output formats*' on page 145.

15.4 Digital output formats



In order to use digital audio outputs **OUT 1** to **4** and **DATA LINK** of your VIP G3, switch **11** on the back panel has to be either in position **H bit** or **L bit**. In position **L bit** the VIP G3 sends out the digital audio data in the **LowBit** mode, in position **H bit** correspondingly in the **HighBit** mode. In position **off** all digital audio outputs of the VIP G3 are **switched off**.

Please refer to the following tables to determine which digital output format at which sample rate and resolution is available at the digital audio outputs. The decision whether to use the HighBit or the LowBit mode depends on the kind of digital receiver unit your VIP G3 is connected to.

15.4.1 LowBit mode

Use the LowBit mode to connect your VIP G3 with a component (digital receiver) that has **no** Audionet HighBit-Interface. Referring to the following table, digital audio outputs **OUT 1** **17** to **OUT 4** **13** transmits a stereo PCM signal up to max. 96 kHz for all programs except bitstreams.

Program	DATA LINK 19	Digital Out 2 SPDIF 15	Digital Out 3 AES/EBU 16	Digital Out 4 SPDIF 13
	Digital Out 1 SPDIF 17			
Bitstream (Dolby Digital, DTS, MPEG)	Bitstream (Dolby Digital, DTS, MPEG)	Bitstream (Dolby Digital, DTS, MPEG)	Bitstream (Dolby Digital, DTS, MPEG)	Bitstream (Dolby Digital, DTS, MPEG)
44.1kHz / 16bit Stereo PCM	44.1kHz / 16bit Stereo PCM	44.1kHz / 16bit Stereo PCM	44.1kHz / 16bit Stereo PCM	44.1kHz / 16bit Stereo PCM
48kHz / 24bit Stereo PCM / DVD-A	48kHz / 24bit Stereo PCM	48kHz / 24bit Stereo PCM	48kHz / 24bit Stereo PCM	48kHz / 24bit Stereo PCM
48kHz / 24bit Multi-channel DVD-A	48kHz / 24bit Stereo (Downmix)* PCM	48kHz / 24bit Stereo (Downmix)* PCM	48kHz / 24bit Stereo (Downmix)* PCM	48kHz / 24bit Stereo (Downmix)* PCM
88.2/96kHz / 24bit Stereo PCM / DVD-A	88.2/96kHz / 24bit Stereo PCM	88.2/96kHz / 24bit Stereo PCM	88.2/96kHz / 24bit Stereo PCM	88.2/96kHz / 24bit Stereo PCM
88.2/96kHz / 24bit Multi-channel DVD-A	88.2/96kHz / 24bit Stereo (Downmix)* PCM	88.2/96kHz / 24bit Stereo (Downmix)* PCM	88.2/96kHz / 24bit Stereo (Downmix)* PCM	88.2/96kHz / 24bit Stereo (Downmix)* PCM
176.4/192kHz / 24bit Stereo DVD-A	88.2/96kHz / 24bit Stereo Downsampling PCM	88.2/96kHz / 24bit Stereo Downsampling PCM	88.2/96kHz / 24bit Stereo Downsampling PCM	88.2/96kHz / 24bit Stereo Downsampling PCM
SACD Stereo	88.2kHz / 24bit Stereo PCM	88.2kHz / 24bit Stereo PCM	88.2kHz / 24bit Stereo PCM	88.2kHz / 24bit Stereo PCM
SACD Multi-channel	88.2kHz / 24bit Stereo (Downmix)* PCM	88.2kHz / 24bit Stereo (Downmix)* PCM	88.2kHz / 24bit Stereo (Downmix)* PCM	88.2kHz / 24bit Stereo (Downmix)* PCM

*) depending on settings and selected audio track

15.4.2 HighBit mode

Use the HighBit mode if you want to transmit digital audio data from the VIP G3 to an Audionet pre amplifier compatible with the Audionet HighBit-Interface, for example the Audionet MAP V2.0 or Audionet MAP 1.



Important

- With other devices but HighBit-compatible Audionet pre amplifiers a correct decoding of digital audio data is **not** possible and can lead to high level noise from the speakers, which might damage your ear and/or equipment.

In order to transmit digital audio data from your VIP G3 to an Audionet pre amplifier, you have to connect digital audio output **OUT 1** 17 of the VIP G3 to the digital audio input '**Digital In 2**' of the MAP V2.0 or '**Digital Audio IN 1**' of the MAP 1.

Additionally, connect digital audio output **OUT 2** 18 of the VIP G3 to the digital audio input '**Digital In 3**' of the MAP V2.0 or '**Digital Audio IN 2**' of the MAP 1.



Important

- Only if **both** connections are in place and switch 11 on the back panel of the VIP G3 is in position **H bit**, you can transmit and receive digital audio data for all sample rates and resolutions!



Tip

- If you are the user of an Audionet MAP 1, you can use the digital audio output **DATA LINK** of the VIP G3 to connect to the digital audio input **DATA LINK** of the MAP 1. The connection using the Audionet DATA LINK interface supports both LowBit and HighBit mode. Select the digital output format for the DATA LINK interface with switch 11 on the back panel of the VIP G3. Only if switch 11 is in position **H bit**, a transmission of all digital audio data for all sample rates and resolutions is possible!
- **Improve sound quality:** In case you are using only the 2-channel analog outputs of the VIP G3, activate the HighBit mode. If you listen to music only, put switch 4 on the back panel to position **off** to shut down the video section. The sound of the 2-channel analog outputs be at its best.

Program	DATA LINK 19		Digital Out 3 AES/EBU 16	Digital Out 4 SPDIF 13
	Digital Out 1 SPDIF 17	Digital Out 2 SPDIF 15		
Bitstream (Dolby Digital, DTS, MPEG)	Bitstream (Dolby Digital, DTS, MPEG)	Bitstream (Dolby Digital, DTS, MPEG)	Bitstream (Dolby Digital, DTS, MPEG)	Bitstream (Dolby Digital, DTS, MPEG)
44.1kHz / 16bit Stereo PCM	192kHz / 24bit Stereo Upsampling Audionet High Bit Mode		44.1kHz / 16bit Stereo PCM	44.1kHz / 16bit Stereo PCM
48kHz / 24bit Stereo PCM / DVD-A	48kHz / 24bit Stereo Audionet High Bit Mode	48kHz / 24bit Stereo Audionet High Bit Mode	NO OUTPUT	NO OUTPUT
48kHz / 24bit Multi-channel DVD-A	48kHz / 24bit Multi-channel Audionet High Bit Mode		NO OUTPUT	NO OUTPUT
88.2 / 96kHz / 24bit Stereo PCM / DVD-A	88.2 / 96kHz / 24bit Stereo PCM	88.2 / 96kHz / 24bit Stereo PCM	NO OUTPUT	NO OUTPUT
88.2 / 96kHz / 24bit Multi-channel DVD-A	88.2 / 96kHz / 24bit Multi-channel Audionet High Bit Mode		NO OUTPUT	NO OUTPUT
176.4 / 192kHz / 24bit Stereo DVD-A	176.4 / 192kHz / 24bit Stereo Audionet High Bit Mode		NO OUTPUT	NO OUTPUT
SACD Stereo	88.2kHz / 24bit Stereo Audionet High Bit Mode		NO OUTPUT	NO OUTPUT
SACD Multi-channel	88.2kHz / 24bit Multi-channel (Downmix)* Audionet High Bit Mode		NO OUTPUT	NO OUTPUT

*) depending on settings and selected audio track



Note

- The MAP V2.0 and MAP 1 will automatically recognize the Audionet HighBit mode if connected correctly. If the second connection is missing the MAP will issue the error message: **HighBit Cable 2 Out of lock**. In this case, please check if the cabling from the VIP G3 to the MAP is correct.
- In HighBit mode, digital audio outputs **OUT 3 16** and **OUT 4 13** can be used to transmit bitstreams (Dolby Digital, DTS, MPEG).

15.5 About HDMI

HDMI^{*1} (High Definition Multimedia Interface) supports both video and audio on a single digital connection for use with DVD players, DTV, set-top boxes, and other AV devices. HDMI was developed to provide the technologies of *High Bandwidth Digital Content Protection* (HDCP) as well as *Digital Visual Interface* (DVI) in one specification. HDCP is used to protect digital content transmitted and received by DVI-compliant displays.

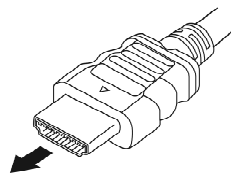
HDMI has the capability to support standard, enhanced, or high-definition video plus standard to multi-channel surround-sound audio. HDMI features include uncompressed digital video, a bandwidth of up to 5 gigabytes per second, one connector (instead of several cables and connectors), and communication between the AV source and AV devices such as DTVs.

15.5.1 Connecting using HDMI

If you have a HDMI or DVI-equipped monitor or display, you can connect it to the VIP G3 using a commercially available HDMI cable. The HDMI connector outputs uncompressed digital video, as well as almost every kind of digital audio that the player is compatible with, including DVD Video, DVD Audio (see below for limitations), Video CD/Super VCD, CD and MP3.

- 1 Use a HDMI cable to connect the **HDMI OUT** 26 interconnect on the **VIP G3** to a HDMI interconnect on a HDMI-compatible monitor.

 - The arrow on the cable connector body should be face up for correct alignment with connector **HDMI OUT** 26 on the VIP G3.



When you first switch on the VIP G3, you will see the HDMI settings menu appear on your monitor or display. From here you can select the resolution, aspect ratio and audio settings, as well as adjust the video presentation to your liking. For more on these settings see '*HDMI Settings*' on page 103. **HDMI** or **DVI** appears in the display of the front panel according to the compatibility of the component connected.

^{*1} HDMI, the HDMI-Logo and High Definition Multimedia Interface are trademarks or registered trademarks of HDMI licensing LLC.



Note

- An HDMI connection can only be made with DVI-equipped components compatible with both DVI and High Bandwidth Digital Content Protection (HDCP). If you choose to connect to a DVI connector, you will need a separate adaptor (DVI → HDMI) to do so. A DVI/HDCP connection, however, does not support audio signals. Consult your local audio dealer for more information.
- The VIP G3 has been designed to be compliant with HDMI (High Definition Multimedia Interface) Version 1.1. Depending on the component you have connected, using a DVI connection may result in unreliable signal transfers.
- When you change the component connected to the HDMI output, you will also need to change the HDMI settings to match the new component (see '*HDMI Settings*' on page 103 to do this). However, the settings for each component are then stored in memory (for up to 5 components).
- The HDMI connection is compatible with 2 channel linear PCM signals (44.1 to 192 kHz, 16/20/24 Bit), as well as Dolby Digital, DTS and MPEG audio bitstreams (5.1 channel signals up to 96 kHz, 16/20/24 Bit).
- It is not possible to output SACD sources from the HDMI connection.
- The length of HDMI cables should not exceed 7 m. The maximum capable length depends on screen resolution and cable quality. In case of display errors, use a shorter HDMI cable or use a HDMI repeater available from your local dealer.

15.6 About i.LINK

i.LINK^{*1} is a trademark name for IEEE 1394, a high-speed interface for digital audio, video and other data found on personal computers, digital camcorders, and other kinds of audio and audio/visual equipment. A single i.LINK connector can both send and receive data at the same time, so only one cable is required to connect components for two-way communication.

The i.LINK interface makes it possible to connect the VIP G3 to an i.LINK-equipped AV receiver with a single cable and enjoy high sampling rate (up to 192 kHz) PCM multi-channel digital audio from DVD Audio and SACD discs, as well as digital audio from DVD Video, CD, Video CD / Super VCD and MP3 discs.

15.6.1 Connecting using i.LINK

If you have a receiver with an i.LINK connector, you can connect it to the VIP G3 using an i.LINK cable.

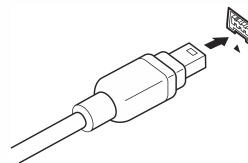


Important

- There may be cases where i.LINK audio does not work properly even when connected to i.LINK audio compatible equipment.
- Do not disconnect i.LINK cables or switch off any components connected using i.LINK while the VIP G3 is on.
- Copy-protected 96 kHz DVD Video discs are downsampled to 48 kHz when using the i.LINK connection.

1. Use an i.LINK cable to connect one of the i.LINK connectors **27** on the back panel of the VIP G3 to an i.LINK connector on your AV receiver.

The arrow on the cable connector body should be face down for correct alignment with the connector on the VIP G3.



^{*1} i.LINK and the i.LINK logo are trademarks of Sony Corporation.



Important

- The i.LINK interface of the VIP G3 does not support video output. Therefore, connect one of the video outputs of the VIP G3 to the corresponding video input of your AV receiver, TV, projector etc.
- In order to be able to hear multi-channel sound from SACDs, you need to set **[SACD Playback]** to **[Multi-ch Area]** (see section '*SACD Playback*' on page 102).
- In order to hear multi-channel sound from DVD Audio discs, make sure that **[DVD Audio Out]** is set to **[5.1 Channel]** (see section '*DVD Audio Out*' on page 116).
- To be able to use the **Auto Select Play** feature, you must first set it up using the **[Auto Select Play]** menu screen (see section '*Auto Select Play*' on page 115).
- During playback using the i.LINK interface, no audio is output from the other digital or analog audio jacks. You can switch off i.LINK output using the **[Audio Out]** menu (see section '*Audio Out*' on page 114) if you need to use the analog and or digital outputs.



Note

- You can connect several components together using i.LINK (see section '*Creating an i.LINK network*' on page 152).
- If you need to use the i.LINK interface of the VIP G3, please use 4-pin, S400 i-LINK cables less than 3.5 m in length. Although longer ones are available, they may not work reliably.

15.6.2 Creating an i.LINK network

Using i.LINK it is possible to chain up to 17 components together so that the digital audio and control signals from each component is available to other components in the network. With the addition of an i.LINK repeater, it is possible to connect up to 63 components.

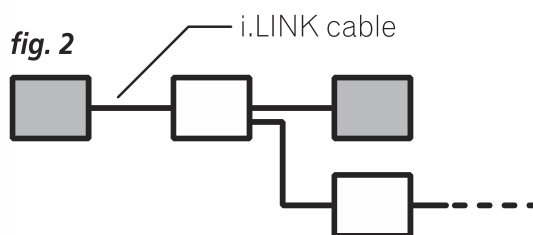
i.LINK connectors come in 4-pin and 6-pin configurations. The VIP G3 uses the 4-pin connection, but the two types can be mixed on a network.

The VIP G3 is compatible with i.LINK audio components, such as AV receivers. It may not work properly if connected to i.LINK MPEG-II TS equipment (such as a DVD recorder or DV camcorder), or an i.LINK-equipped personal computer. Check the operating instructions supplied with your other i.LINK components for compatibility information.

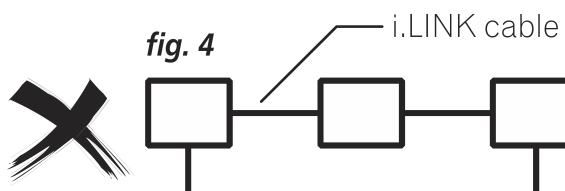
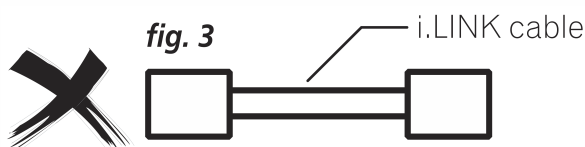
Connected components should be DTCP (Digital Transmission Content Protection) compliant to be able to play DVD Video, DVD Audio and SACD discs

using i.LINK audio. If a connected component is not DTCP compliant, only CD, MP3, VCD audio will be output.

When setting up an i.LINK network, it is important that the components form an open ended chain (fig. 1), or a tree (fig. 2).



The system will not work if the connected components form a loop. If a loop is detected, the message **LOOP CONNECT** shows up in the display. Figs. 3 and 4 show connections that form a loop.



Another consideration when connecting i.LINK devices is the speed of the interface. At present there are three speeds: S100 (slowest), S200 and S400 (fastest). Although you can use components with different speeds together, we recommend connecting slower speed components at the edge of the network if possible (represented by the shaded boxes in figs. 1 and 2). This will keep the network free of bottlenecks.

When used within an i.LINK network, the VIP G3 must be on for the i.LINK connection to be maintained. Other components in the network may or may not maintain the connection in stand-by (none will when the power is completely off) – check the operating instructions supplied with individual components. Note that the audio may be momentarily interrupted if a component in the i.LINK network is switched on/off, or its i.LINK connection is switched on/off.

15.7 USB/SPDIF digital audio input

15.7.1 Connecting the computer the USB-Audio input

With the USB Audio interface you can playback music and sound files from your personal computer (PC) using the sophisticated digital-to-analog converters of the VIP G3 instead of the soundcard of the PC. The VIP G3 is integrated into your computer system as USB Audio device. The installation is done (mostly) automatically via Plug'n'Play, provided a correctly installed operating system.



Note

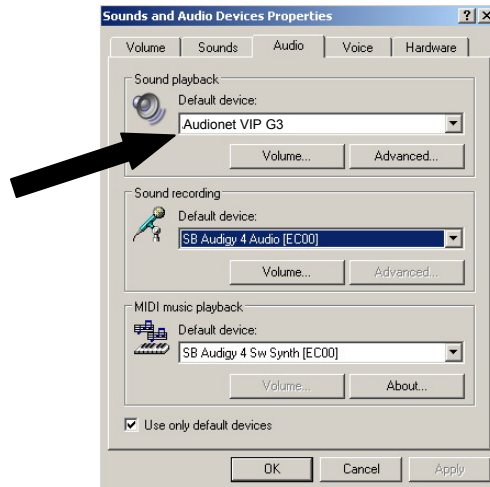
- To use the USB Audio functions of the VIP G3, your computer requires to have Microsoft™ Windows™ 98SE, Windows ME™, Windows 2000 Professional or Windows XP™ Home/Professional with the latest USB Audio drivers installed. For further information about the minimum system requirements please refer to the documentation of your Microsoft Windows version in use.
1. **Connect digital input USB/SPDIF-Audio 12 with a suitable USB cable (plug type A to plug type B) to a free USB port at your computer that is compatible with USB 1.1 or above and supports the Full Speed USB protocol.**
 2. **Start your computer, then switch on the VIP G3.**

The VIP G3 is recognized as newly added hardware by your computer. Depending on the Microsoft Windows version installed on your system, it might occur that at the first connection of the VIP G3 the operating system prompts you to install a driver for the new hardware. In this case let Windows choose the correct driver automatically and follow the installation dialog until it is finished.

- If necessary, Windows may prompt you to insert its installation CD/DVD. Please have the disc ready.
- For further information about automatic hardware recognition, searching for and installing hardware drivers, please refer to the documentation of your operating system.
- USB Audio is an integral part of Microsoft Windows, so no further software installation is necessary. After installing the necessary hardware drivers the VIP G3 will be automatically integrated into your computer system from now on and is ready to use after plugging in the USB cable.

Microsoft Windows will setup the VIP G3 automatically as standard device for sound playback. In case this is not done automatically due to your current system configuration, please set the corresponding option manually:

3. Open up the 'Sounds and Audio Devices' dialog of your Windows Settings menu. Click on the tag 'Audio' and select 'Audionet VIP G3' from the list of standard devices (see the following example):



Now all music and sound files, that Microsoft Windows or your sound application is capable of processing, are played back with your VIP G3.



Note

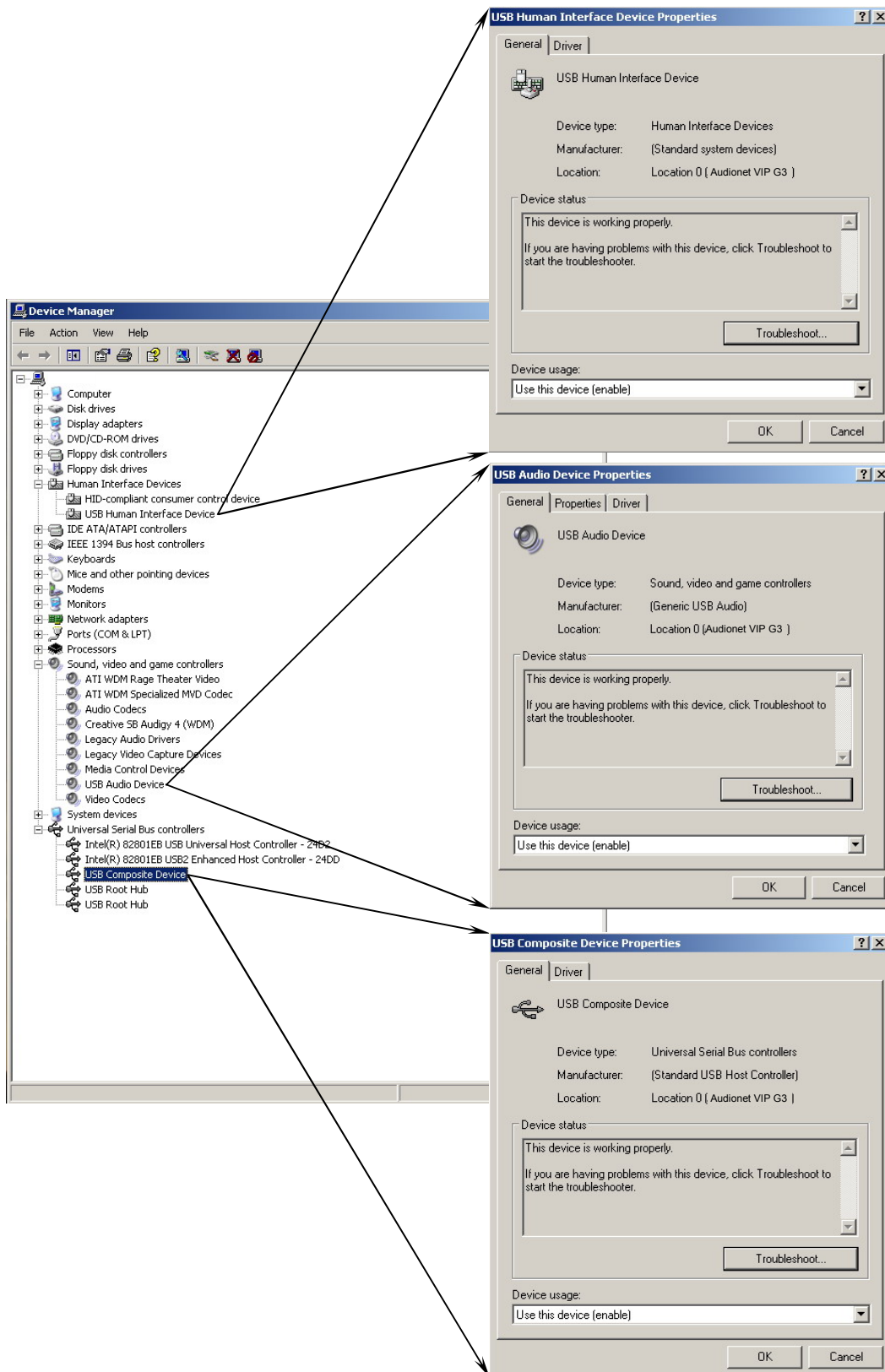
- Microsoft Windows converts every input format automatically into a stereo PCM signal with 44.1 or 48 kHz sampling frequency and 16 bits resolution. Which audio formats are played back depends on the capabilities of your Microsoft Windows system and/or your sound application only!
- All volume and balance settings of Microsoft Windows or your sound application will be still active. In case you hear no sound at all or the sound has low volume while playing back sound and music files with your VIP G3, please make sure that your volume settings of your Windows system are not muted or set to a low level.

In case you like to check, if Microsoft Windows recognized your VIP G3 correctly, please open up the Device Manager of your Windows system. You will find the VIP G3 in the following 3 places in the list of devices:

Sound, video and game controller	→	USB Audio Device
Human Interface Devices	→	USB Human Interface Device
Universal Serial Bus controllers	→	USB Composite Device

The diagram on the following page gives an overview of an example list of entries in the Device Manager:

15.7.2 Example overview Device Manager





Important

- The USB Audio function of the VIP G3 can **only** be used if the loaded disc is stopped, or **no** disc is loaded at all.
- During playback of any disc with the VIP G3 you will hear **only** the audio from the disc. There will be **no** signal from the USB Audio interface.

15.7.3 Using the SPDIF input

Alternatively, you can use the **USB/SPDIF Digital audio input** [12] as SPDIF digital audio input using a special adaptor cable available from Audionet. Therefore, you can use the sophisticated digital-to-analog converter of the VIP G3 for other digital sources like CD transports, DAT recorder, too.

1. **Connect the USB/SPDIF Audio input** [12] **to the SPDIF output of the source device using an adaptor cable.**
2. **Switch on the VIP G3, then switch on the source device, and start playback on the source device.**
The music of the source device is now played back using the sophisticated digital-to-analog converters of the VIP G3.



Note

- The VIP G3 supports the formats: PCM Stereo, sample rate 32 kHz up to 96 kHz, 16 and 24 Bits resolution.



Important

- In order to listen to music using the SPDIF digital audio input playback of any loaded disc in the VIP G3 must be stopped, or not disc at all must be loaded.
- During playback discs VIP G3 you can listen to their audio signal only. There will be no signal from the SPDIF input.



Note

Pin layout of SPDIF input



- 1 = not connected
- 2 = not connected
- 3 = SPDIF
- 4 = Ground

15.8 Connecting the external power supply EPS

To use the optional external power supply EPS (External Power Supply) with your VIP G3 follow these steps:

1. Make sure both VIP G3 and EPS are switched off and disconnected from the mains.
2. Connect the EPS with the included cable to input jack **20** on the back panel of the VIP G3. The shape of the plug prevents any wrong polarity. The small 'nose' inside the plug has to face upwards. Now screw the ring of the plug onto the input jack **20**.
3. Connect both (!!) units VIP G3 and EPS to mains.
4. Switch on the EPS at the back panel first.
5. Use key **power** at the front plate or key **Power On** or **Power Toggle** of the remote control *Harmony Ultimate One* in Device Mode for the VIP G3 to switch on the unit. The VIP G3 is now ready to use and gets its power from the external power supply.
6. To switch off the VIP G3 into stand-by, use key **power** on the front panel or key **Power Off** or **Power Toggle** of the remote control *Harmony Ultimate One* in Device Mode for the VIP G3.



Important

- Never switch on or off the EPS on its back panel while the VIP G3 is switched on or during playback.
- For further information referring to the external power supply EPS please consult its user's manual.



Tip

- Use a high quality mains cable (for example the Audionet power cable P10) to connect the EPS to mains. The sound will improve.

16 Factory default settings VIP G3

for multi-channel use

Digital Audio Out	→ Dolby Digital Out	→ Dolby Digital
	→ DTS Out	→ DTS
	→ Linear PCM Out	→ Down Sample Off
	→ MPEG Out	→ MPEG > PCM
Video Output	→ TV Screen	→ 16:9 (Wide)
	→ Component Out	→ Progressive
	→ AV Connector	→ RGB
	→ S-Video Out	→ S2
	→ Still Picture	→ Auto
Language	→ Audio Language	→ English
	→ Subtitle Language	→ English
	→ Auto Language	→ Off
	→ DVD Menu Lang.	→ w/ Subt. Lang.
	→ Subtitle Display	→ Off
Display	→ OSD Language	→ English
	→ On Screen Display	→ On
	→ Angle Indicator	→ On
	→ Background	→ Logo
	→ Screen Saver	→ Off
Options	→ Parental Lock	→ Off
	→ Bonus Group	→ ...
	→ Auto Disc Menu	→ On
	→ Group Playback	→ Single
	→ DVD Playback Mode	→ DVD Audio
	→ SACD Playback	→ Multi-ch Area
	→ HDMI Settings	→ ...
	→ CD Playback	→ PCM Playback
	→ DTS Downmix	→ Stereo
Speakers	→ Audio Out	→ 5.1 Channel
	→ Speaker Installation	→ all set to 'LARGE / On'
	→ Speaker Distances	→ 3.0 m for all speakers
	→ Channel Level	→ Fix
i.LINK Setup	→ Audio Out	→ Off
	→ Connections Setup	→ ...
	→ Auto Select Play	→ Off
	→ DVD Audio Output	→ 5.1 Channel

17 Recommended setup for 2-channel analog usage

Digital Audio Out	→ Dolby Digital Out	→ Dolby Digital
	→ DTS Out	→ DTS Out
	→ Linear PCM Out	→ Down Sample Off
	→ MPEG Out	→ MPEG > PCM
Video Output	→ TV Screen	→ 16:9 (Wide)
	→ Component Out	→ Progressive
	→ AV Connector	→ RGB
	→ S-Video Out	→ S2
	→ Still Picture	→ Auto
Language	→ Audio Language	→ English
	→ Subtitle Language	→ English
	→ Auto Language	→ On
	→ DVD Menu Lang.	→ w/ Subt. Lang.
	→ Subtitle Display	→ Off
Display	→ OSD Language	→ English
	→ On Screen Display	→ On
	→ Angle Indicator	→ On
	→ Background	→ Logo
	→ Screen Saver	→ Off
Options	→ Parental Lock	→ Off
	→ Bonus Group	→
	→ Auto Disc Menu	→ On
	→ Group Playback	→ Single
	→ DVD Playback Mode	→ DVD Audio
	→ SACD Playback	→ 2-ch Area
	→ HDMI Settings	→ ...
	→ CD Playback	→ PCM Playback
	→ DTS Downmix	→ Stereo
Speakers	→ Audio Out	→ 2-ch
	→ Speaker Installation	→ ...
	→ Speaker Distances	→ ...
	→ Channel Level	→ Fix
i.LINK Setup	→ Audio Out	→ Off
	→ Connections Setup	→ ...
	→ Auto Select Play	→ Off
	→ DVD Audio Output	→ 5.1 Channel



Note

Additional settings for best sound quality of 2-channel analog usage:

- If available, select 2-channel audio track on DVD Video or DVD Audio disks.
- In case you listen to music only, use switch **4** on the back panel of the VIP G3 to shut down the video section (switch position off).
- Put switch **11** in position **H bit** to activate the HighBit Mode (even if you are using the analog outputs only!).

18 Security advice

- Avoid packaging material, especially plastic bags, to come into children's hands.
- Store and operate the unit in a dry room at a reasonable room temperature.
- Avoid moisture or any liquid to get into the unit.
- Set up the unit in a sufficiently ventilated place.
- **Do not cover**, e.g. with a blanket.
- **Do not open** the case. Unauthorised opening will cause loss of guarantee.
- Use a dry cloth for cleaning.

We would like to wish you many exciting listening experiences with your new Audionet product!

If you still have any questions, don't hesitate to ask your competent Audionet dealer.

19 Technical data

Function	Universal playback system for CD, DVD and SACD
Laser system	Semiconductor laser, 650nm and 780nm wave length
Standards	CD, CD-R, CD-RW DVD-R, DVD+R, DVD-RW, DVD+RW Video CD, Super VCD DVD Audio, DVD Video SACD stereo and multi-channel Dolby Digital, DTS, DTS CD, MP3 PAL/NTSC progressive, PAL/NTSC interlaced
Converters	Main channels: 192 kHz/24 bit, multibit delta-sigma Effect channels: 96 kHz/24 bit, multibit delta-sigma
Sampling rates	32 kHz, 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz
Video	six 14 bit video DACs, 8x oversampling, 108 MHz
Audio bandwidth	max. 0 - 90,000 Hz (-3 dB)
THD+N	Main channels: typ. 115 dB @ -60 dBFS (A-weighted) typ. 104 dB @ 0 dBFS Effect channels: typ. 110 dB @ -60 dBFS (A-weighted)
SNR	111 dB
Channel separation	>130 dB @ 10 kHz
Audio outputs, analog	6 Cinch line, gold plated 2 XLR symmetrical, gold plated
Audio outputs, digital	2 Cinch, 75 Ω , gold plated 1 AES/EBU, 110 Ω , gold plated 1 Audionet HighBit-DataLink 1 Optical (TOS Link)
Audio input, digital	1 USB, connected for USB-Audio and SPDIF
Video outputs, analog	1 YUV progressive & interlaced / RGB interlaced 1 S-Video 1 Composite-Video (CVBS/Sync)
Video outputs, digital	1 HDMI 1.1 (DVI with HDCP compatible)
External power supply	5 pin precision connector
Output impedance	33 Ω real
Output voltage, analog	3.5 V _{RMS}
Power consumption	< 1 W stand-by, max. 50 W

Dimensions	Width 430 mm, Height 110 mm, Depth 360 mm Weight 18 kg
Top cover / body	MDF, Nextel coated / granite, steel, black coating
Features	<ul style="list-style-type: none"> - D/A converter with USB/SPDIF digital input - DSD to PCM converter - Top loader, absorbing MDF, aluminium and granite casing - massive disc drawer cover made of 10 mm aluminium, Teflon-bedded - decoupling of the transport unit by Audionet Aligned Resonance technology - special stabilizer made of POM - separate power supplies for digital and analog sections - Audionet Intelligent Sampling technology - discrete, extremely fast and stable filter and output stages - fully DC coupled, no capacitors in the signal path - Audionet HighBit interface for all audio data including DVD-A and SACD - disengageable digital outputs - progressive scan - HDMI output - disengageable video processing - switch on/off remotely via 'Audionet Link' (optical) - adaptive Audionet System Remote Control <i>Harmony Ultimate One</i>, replaces up to 15 remote controls - optional external power supply Audionet EPS / EPS G2 for the analog section

Errors and omissions excepted. Specifications and design are subject to changes without prior notice.

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