

Audionet

VIP G2

Versatile Integrated Player

User's Manual

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1 Preface

The Audionet Team congratulates you to your purchase of this unit.

The VIP G2 is a universal player not only for CD and DVD standards, but also for all SACD formats, two channel as well as multi-channel. With its unexampled, potent rendition the VIP G2 succeeds to present the music of all sound formats in a peerless way and opens up the gates to new musical horizons. Brilliant pictures of highest plasticity and calmness combined with an elementary as well as filigree spatial sound scenery provide a breathtaking and touching cineastic experience.

The VIP G2 offers a pleasing handling and comfortable features. The newly designed, well-defined front panel, the clearly arranged menus and Audionet's universal remote control facilitate a conceivable ease of use. Discs of all formats are loaded quickly and reliably.

In the VIP G2 the silver discs are imperturbably mounted like in a safe and are read out free from unwanted external influences. The casing is a ingenious mix of amorphous granite, steel, aluminium and low-resonance MDF. Audionet's Aligned Resonance technology additionally decouples the transport unit mounted onto a massive aluminium plate from the casing and takes care of a systematic absorption of parasitic momentum. The disc is fixed by a special stabilizer ("Puck") made of POM, a Teflon-like material. A massive aluminium lid seals off the disk drawer. The lid runs smooth and sturdy in thick aluminium rails imparting additional stability to the MDF cover. Parasitic vibrations and noise have no chance of an impact.

The VIP G2 spares no effort to gain the best possible sound quality. With groundbreaking engineering, excellent components and audiophile passion, we re-defined the frontier of technical feasibility.

For the main channels, Audionet's Intelligent Sampling technology takes care of an absolutely accurate recovery of the analog signal from the digital data stream. Therefore, the PCM data runs through a sophisticated, two staged filter and decoupling process. First of all, the initial data is filtered and synchronously up-sampled by Audionet's proprietary software running on a powerful digital signal processor. The filters are designed in audiophile respect of best possible accuracy of impulse and frequency response. Optimized in this way, the audio data is now rendered to 192kHz/24bits by an asynchronous upsampler, thereby completely decoupled from the input clock.

PCM and DSD data is transferred in separate channels to two high-performance converters and processed to analog audio streams. The digital-to-analog converters are clocked by an interference-free, stress isolated, high precision clock generator and supplied by high accuracy power sources.

The analog processing carried out by differential current-voltage converters and extremely complex filter/amplifier circuits. These electronic circuits are designed for exceeding impulse accuracy and extremely high cut off frequency and, therefore, sophisticatedly built up by discrete components, with two dual FET inputs, boot-strapped cascode and audiophile adjustment. This extensive design guarantees best channel separation, highest dynamic range and lowest distortion, eliminating jitter artefacts to an undetectable level.

The digital audio transmission is unique, too. At first, DSD data is converted into PCM data, then processed and decoupled by Audionet's Intelligent Sampling technology to be routed to a powerful output transmitter via a low-jitter LVDS data link non-sensitive to interference. Using Audionet's proprietary HighBit interface, all two channel data up to 192kHz or multi-channel data with up to 96kHz per channel is transmitted. The LowBit mode offers data rates up to 96kHz/24bits. Both modes offer the best possible PCM output data – independently from the initial data format, especially for SACD, two and multi-channel.

During CD playback, the audio data is upsampled and digitally output at a data rate of 192kHz/24bits via the HighBit interface. Thus, the function of a complete sample rate converter is realized by this feature.

Above all, the VIP G2 is also a D/A-converter. So you can utilise its qualities for all your digital sources, even for your computer connecting it via the USB audio interface.

Being the first Audionet source device, the VIP G2 will benefit from the acknowledged qualities of the optional available external high precision power supply EPS to finally boost the musical performance to unexceptional heights.

For the best possible picture quality, the VIP G2 has six 12bits/216MHz-D/A-converters for analog video processing. In conjunction with Audionet's unique DC-coupled video output stages, it is possible to eliminate capacitors in the video output signal flow to achieve an extremely high and stable video bandwidth. Besides CVBS and S-video outputs, the video output section comprises also RGB and component (YUV) outputs, in progressive-scan or interlaced format selectively. Digital picture data is transferred at a maximum of the DVD resolution of the PAL 576 progressive format using the HDMI interface, which is also compatible to DVI with HDCP.

But before you start listening to your new Audionet VIP G2, 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.

Included

Included you will find the following items:

- the universal CD, SACD and DVD transport system VIP G2
- 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'
- universal remote control SRC (in separate package)

Transportation

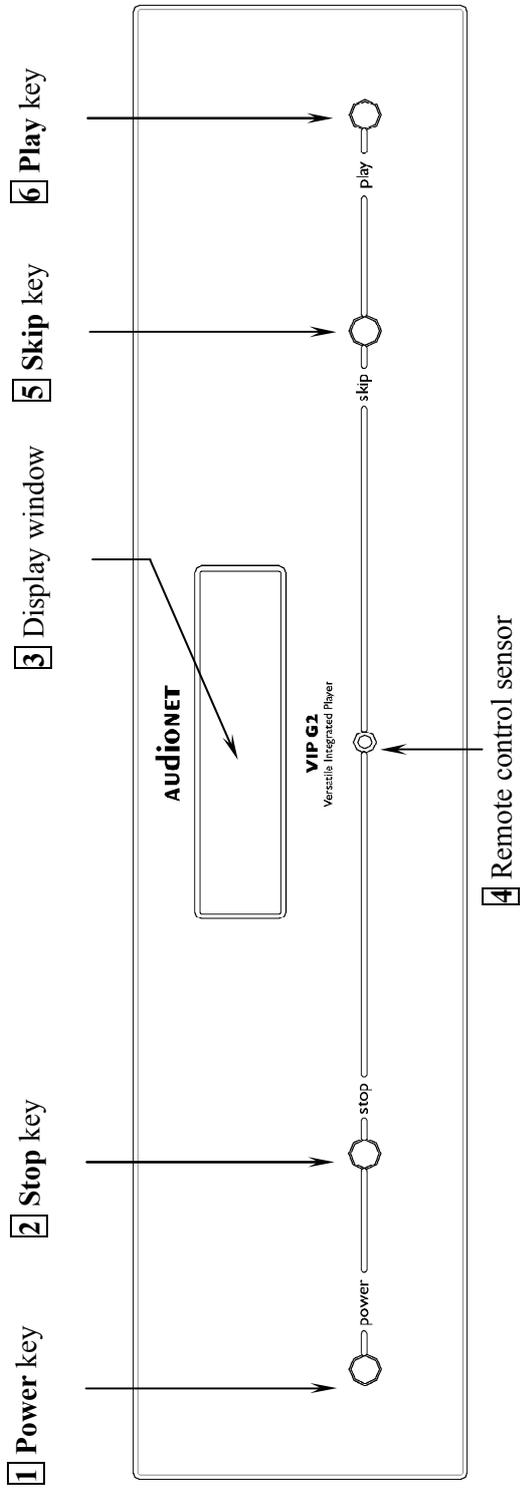


Important

- Please transport the VIP G2 only within the included package.
- Use the plastic bag to prevent scratches on the housing.
- Never leave a CD/DVD/SACD disc or the stabilizer inside the VIP G2 during transport. The sensitive mechanics could suffer damage.

2 Overview of control elements

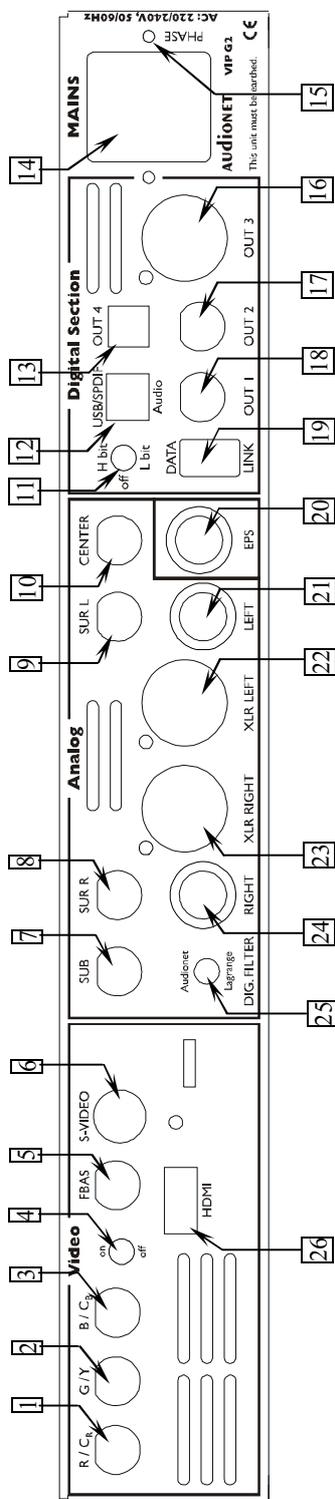
2.1 Front panel



- 1 Power key**
Turns unit on or off (stand by)
- 2 Stop key**
Stops playback
- 3 Display window**
Indicates the current status of the unit
- 4 Remote control sensor**
Receives signals from the remote control unit
- 5 Skip key**
Used to skip a chapter, title or track. Also, used for the page selection of a menu screen (for Video CD/ Super VCD. Holding down skip key during playback advances playback rapidly).
- 6 Play key**
Starts or resumes playback.

3 Overview of connections

3.1 Back panel

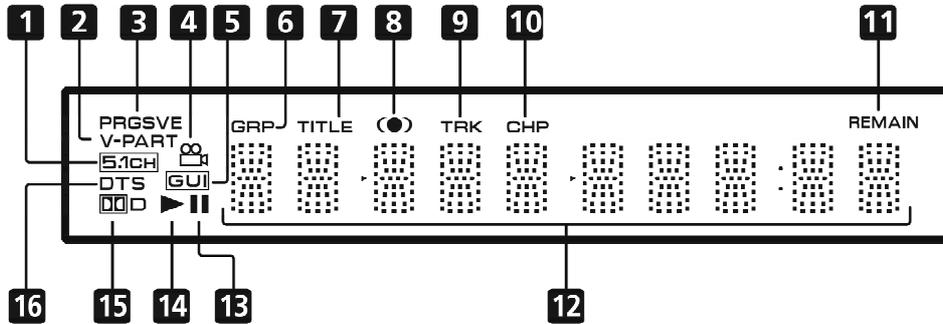


- | | | |
|---|--|--|
| <ul style="list-style-type: none"> 1 Video output R/Cr 2 Video output G/Y 3 Video output B/C_B 4 Selector video on/off 5 Video output Composite (CVBS) 6 Video output S-Video (Y/C) 7 Analog output Subwoofer 8 Analog output Right Surround 9 Analog output Left Surround | <ul style="list-style-type: none"> 10 Analog output Center 11 Selector output format for digital outputs and digital outputs on/off 12 USB-Audio input (SPDIF) 13 Digital output 4 (SPDIF-TOS-Link) 14 Mains input 15 Marking mains phase 16 Digital output 3 (AES/EBU) 17 Digital output 2 (SPDIF) 18 Digital output 1 (SPDIF) | <ul style="list-style-type: none"> 19 Digital output "DataLink" 20 Input EPS (Enhanced Power Supply) 21 Analog output Main Left (Cinch) 22 Analog output Main Left (balanced) 23 Analog output Main Right (balanced) 24 Analog output Main Right (Cinch) 25 Selector digital filter 26 HDMI output |
|---|--|--|

For further information about connections and hardware settings please refer to section "Connections and options on the back panel" on page 128.

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 106).
- 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 15).
- 4  lights if during multi-angle scenes on a DVD disc (refer to section *"Switching camera angles"* on page 92).
- 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. and were only used for information purposes.

*² "Dolby" and the double-D symbol are registered trademarks of Dolby Laboratories and were only used for information purposes.

*³ "DTS" and "DTS Digital Surround" are registered trademarks of Digital Theater Systems, Inc. and were only used for information purposes.

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 84). With a DVD-Video disc you can do this during playback, or when the disc stopped. For other types of discs, the VIP G2 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 G2 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 G2.
- **Compatibility of the VIP G2 with progressive scan TVs:** The VIP G2 is compatible with progressive video Macro Vision System Copy Guard.

Users should note that not all High Definition Television sets are fully compatible with VIP G2 and may cause artefacts to be displayed in the picture. In case of 525/625 progressive scan format picture problems, it is recommended that the user switch the connection to "Standard Definition" output. If there are questions regarding the compatibility with TV sets, please refer to your customer service center.

^{*1} refer to glossar "Interlaced Video" on page 118.

^{*2} refer to glossar "Progressive scan video" on page 119.

5 Installation and power supply

5.1 Placement

Please choose a level and dry place. It is recommended to place the VIP G2 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 G2. 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.

WARNING:

The electrical specifications at the back must meet the specifications of your home country.

The VIP G2 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.

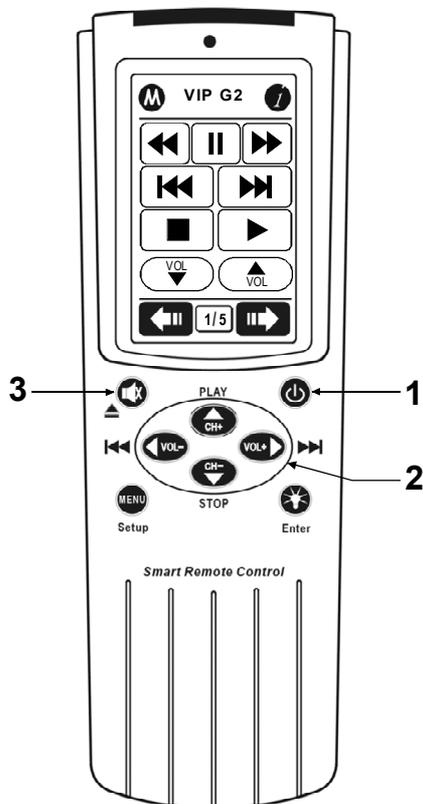
6 Remote control

All functions of the VIP G2 can be controlled using the Audionet System Remote Control SRC. Furthermore it is possible to control up to 64 other units with the SRC.

All keys of the SRC relevant for controlling the VIP G2 are explained in detail in the following. While in the main menu of the SRC press key "VIP G2" to prepare the SRC to control the VIP G2.

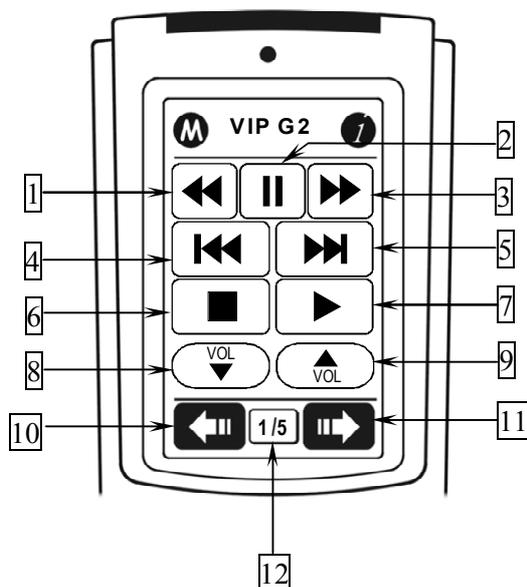
Please refer to the separate manual provided with the SRC for further and more detailed information about using and programming the SRC.

6.1 Cursor keys



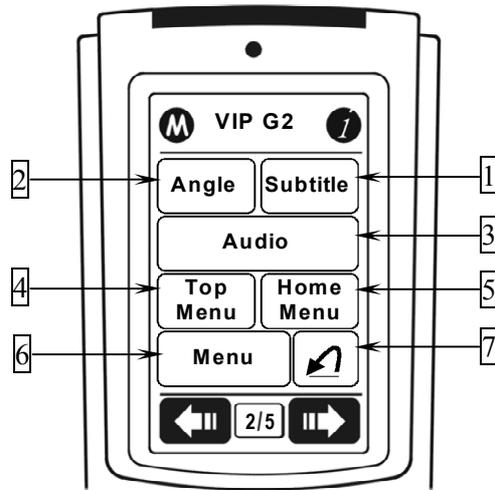
- 1 **Power key** to switch on/off the unit, same function as the power key on the front panel.
- 2 **Cursor keys** to navigate through screen and disc menus,
 -  moves the cursor up
 -  moves the cursor down
 -  moves the cursor left
 -  moves the cursor right.
- 3 **ENTER key**, for activating functions or confirming user entries.

6.2 VIP G2 menu: Screen 1



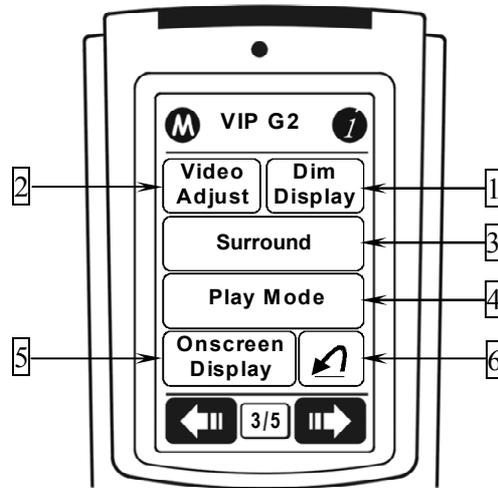
- 1 **◀◀/Cue key**, use for reverse slow motion playback, frame reverse or reverse scanning.
- 2 **⏸/Pause key**, press to pause playback. Press again to restart.
- 3 **▶▶/Fast forward key**, use for forward slow motion playback, frame forward or forward scanning.
- 4 **⏮/Previous key**, press to jump to the start of the current chapter/track. Press again to jump to start of previous chapters/tracks.
- 5 **⏭/Next key**, press to jump to the start of the next chapter/track.
- 6 **■/Stop key**, press to stop the disc. You can resume playback by pressing the Play key ▶.
- 7 **▶/Play key**, press to start or resume playback.
- 8 **Volume Down**, press to decrease the volume of your Audionet pre amplifier. If you are using a pre amplifier of a different brand you can program its volume control code onto this key of the SRC. Please refer to the user's manual of the remote control SRC for further details.
- 9 **Volume Up**, press to increase the volume of your Audionet pre amplifier. If you are using a pre amplifier of a different brand you can program its volume control code onto this key of the SRC. Please refer to the user's manual of the remote control SRC for further details.
- 10 Skips back to the previous screen of SRC (refer to user's manual SRC).
- 11 Advances to the next screen of SRC (refer to user's manual SRC).
- 12 Number of existing screens and number of current screen of the SRC.

6.3 VIP G2 menu: Screen 2



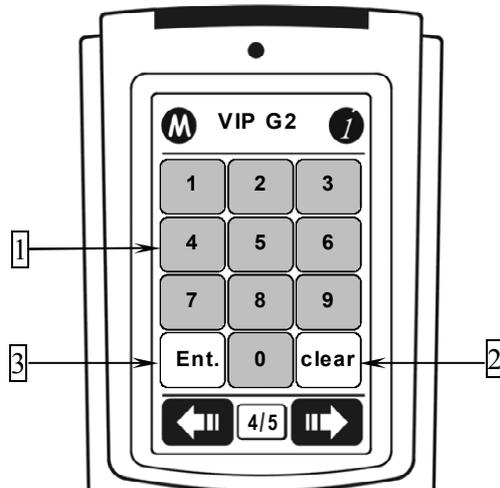
- 1 Press key **Subtitle** to select a subtitle display (refer to "Switching subtitles" on page 66).
- 2 Press key **Angle** to change the camera angle during DVD multi-angle scenes (refer to "Switching camera angles" on page 69).
- 3 Press key **Audio** to select the audio channel or language (refer to pages 67 to 68).
- 4 Press key **Top Menu** to display the top menu of a DVD disc.
- 5 Press key **Home Menu** to display or exit the on-screen menu.
- 6 Press key **Menu** to display a DVD disc menu, or the Disc Navigator if a DVD-RW, CD, Video CD/Super VCD or MP3 disc is loaded.
- 7 Press key  (**Return**) to return to a previous menu screen.

6.4 VIP G2 menu: Screen 3



- 1 Press key **Dim Display** to change display brightness.
- 2 Press key **Video Adjust** to display the **Video Adjust** menu (refer to "Video Adjust" on page 77).
- 3 Press key **Surround** to active/switch off **Dolby V/ TruSurround**.
- 4 Press key **Play Mode** to display the **Play Mode** menu (refer to pages 50 to 53). You can also get to the **Play Mode** menu by pressing **Home Menu** and selecting **[Play Mode]**.
- 5 Press key **Display** to display information about the disc playing (refer to "Display settings" on page 91).
- 6 Press key **[Return]** (**Return**) to return to a previous menu screen.

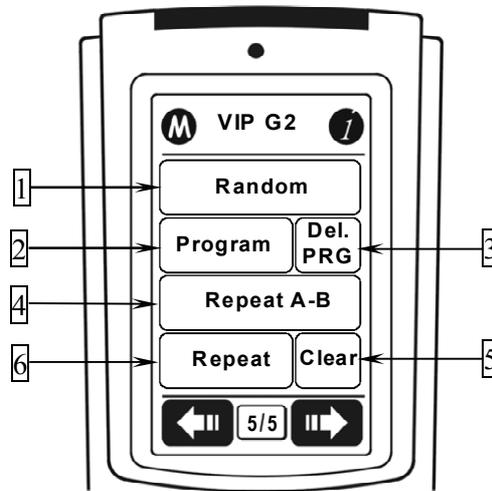
6.5 VIP G2 menu: Screen 4



- 1 **Numeric keys** (shaded key in picture above)
- 2 Press key **Clear** to clear a numeric entry.
- 3 Press key **Ent.** (**Enter**) to select an option or execute a command.

Screen 4 includes the number keys. For further information on using these keys please refer to chapter "How to use number keys" on page 24.

6.6 VIP G2 menu: Screen 5



- 1 Press **Random** to play tracks or chapters (DVD-Video), groups or tracks (DVD-Audio) or tracks (CD, Video CD/Super VCD und MP3-Discs) in random order.
- 2 With the function **Program** you can program titles, chapters, folders, or tracks to play back in a desired order.
- 3 Use key **Del. PRG Delete Program** to erase your playback program. It is a macro function which needs approx. 2 seconds for executing (for more information about macro keys please refer to Audionet SRC User's manual). Please have the remote control pointed at the VIP G2 during the execution of the macro command.
- 4 Use key **Repeat A-B** to loop a section of s disc.
- 5 Press **Clear** to cancel the program, repeat or random function.
- 6 The function **Repeat** provides several repeat functions for DVD, CD, SACD, MP3, VCD or Super VCD discs, e.g. track or disc repeat.

Screen 5 contains the comfort keys. For further information on their functions please refer to section "Using the comfort keys" on page 60.

6.7 How to use number keys

The number keys on screen 5 of the remote control SRC are used to selected a track, title or group. Additionally, you can use them to enter a time for the time search function or a chapter number for the chapter search function.

6.7.1 Select a track/title/group number

To select a number between 1 and 9 press corresponding key for the number on remote control and confirm with  or the key **Ent.** on the touch screen.

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  or **Ent.** on the touch screen. If you need to correct your last entry press **Clear** to erase the entry and start over.

Examples:

To enter...

- 5 press 5 →  or **Ent.**
- 10 press 1 → 0 →  or **Ent.**
- 14 press 1 → 4 →  or **Ent.**
- 27 press 2 → 7 →  or **Ent.**
- 58 press 5 → 8 →  or **Ent.**

6.7.2 Enter a time or chapter number

The method for entering a time for Time search or chapter number for Chapter search is different from above. Please refer to corresponding sections in this manual for details.



Note

- There is another method for selecting a track or group of an MP3 disc. For further information please 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:  or **Clear**
- 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: LOADI NG

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 keys     onto the element you would like to change/adjust.

- For elements like  you change their settings by using   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 .

- Numbers are entered using the numeric keys.
- Some functions only become effective after conforming a selection by pressing key .



Note

- Through out 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. To change the language refer to section "*OSD Language*" on page 91.

8 About discs

8.1 Playable disc types

The following disc types can be played back on the VIP G2:

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

CD-R and CD-RW discs recorded with 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 G2 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 G2:

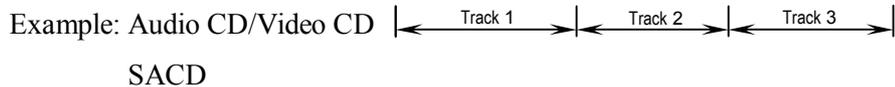
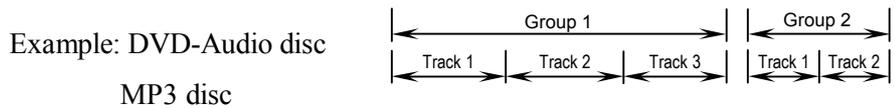
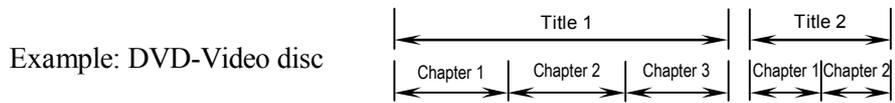
DVD-ROM, DVD-RAM, CD-ROM, PHOTO CD, CD-EXTRA, CD-G, CD-TEXT

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

The VIP G2 can playback audio recorded on CD-G, CD-EXTRA and CD-TEXT discs.

8.1.2 Disc structures

A DVD-Video disc is comprised of "titles" and each title may be divided into some "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. In a DVD-Video Karaoke disc, each song usually has its own title number and does not have chapters. A DVD-Audio disc is comprised of "groups", and each group is comprised of "tracks". Some DVD-Audio discs also contain a "bonus group" that can be played back by entering the "key number" (a kind of password). Usually the contents of a "bonus group" are not opened to the public. Note that most DVD-Audio discs include other information in addition to audio, such as still pictures, movies and text. An Audio CD, Video CD or Super VCD is simply comprised of "tracks".



8.1.3 MP3 discs

The VIP G2 can playback CD-R/CD-RW discs recorded by 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 on a track (file). Tracks are usually grouped into a "group" (folder) by category, by artist etc. In addition, groups can also be members of groups (groups' group), creating hierarchical

group layers. If you are familiar with personal computers, you may easily understand the hierarchical group layer construction of MP3 discs because it is similar to the folder layer construction of computers.

The VIP G2 can handle up to 250 tracks per group, up to 250 groups per group layer and up to 10 group layers. If a disc has more tracks, groups or group layers than the above, the unit does not recognize those exceeding the maximum numbers and cannot playback them.



Note

- This unit 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 48kHz. Incompatible files will not play and UNPLAYABLE will be displayed on the unit.
- 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 G2 only plays tracks that are named *.MP3 or *.mp3.
- The VIP G2 is compatible with multisession discs, but only play 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 G2 was designed to be compatible with all of them. Audio should be encoded at least at 256kbps for a reasonably decent sound quality. The VIP G2 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 G2's pickup lens.



CD-R/RW compatibility

- The VIP G2 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 G2 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 G2.



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.

9 First steps

9.1 Setting the TV system

The default setting of the VIP G2 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 G2 is not plugged in yet, plug it in now, but leave it in standby.
2. Using the front panel controls, hold the **skip** key down then press the **power** key to switch the TV system. The TV system changes as follows:

AUTO → NTSC
NTSC → PAL
PAL → AUTO

The display of the VIP G2 indicates the new setting.



Note

- You have to switch the VIP G2 into standby (press **power** key on front panel or key  on the remote control).
- 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

Press **power** key on the front panel 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 O for group / title / track / chapter / time.

Switch off the unit by pressing the **power** key on the front panel. The display will first show -OFF- and then go dark after a short time. Now the unit is in standby mode.

9.2.1 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 26). For further information about playback of discs please refer to section "Playing discs" on page 40.

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



Note

- If you open the disc drawer during playback the VIP G2 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 shape 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 G2, the disc is not played back.
- With some DVD-Video discs, the unit starts playback automatically after inserting the disc and closing the drawer.

9.3 **Setting up with the Setup Navigator**

When you switch on the VIP G2 for the first time, you will see the **AUDIONET** logo on the TV screen. From here you can let the VIP G2 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.

Before continuing, make sure that you have loaded the batteries in the remote control.



Note

- If you have connected an HDMI compatible device to the VIP G2, the HDMI settings screen will appear instead of the setup screens below. Refer to section "*HDMI Settings*" on page 102 for further information.

9.4 **Using the on-screen displays**

For ease of use, the VIP G2 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 G2, 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



or .



Important

- Throughout this manual, "select" means to use the cursor keys     to highlight a menu item, and then press **Ent.** or  to confirm.

Key	Function
Home Menu	Display/exit the on-screen display
   	Changes the highlighted menu item
 or Ent.	Selects the highlighted menu item
Return	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 buttons can be used for that screen.

9.5 Using the Setup Navigator

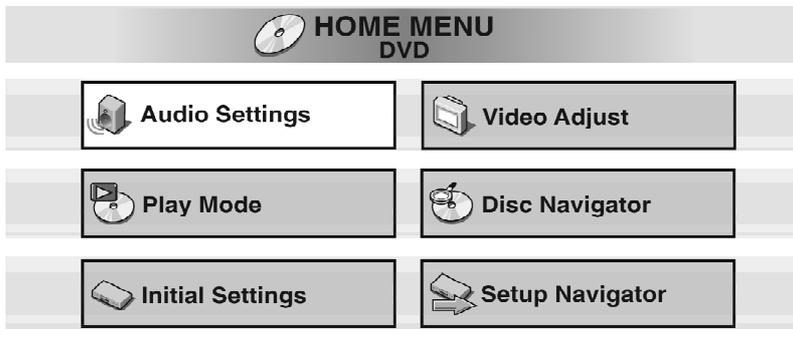
Using the Setup Navigator you can make a number of other initial settings for the VIP G2. We recommend using the Setup Navigator, especially if you connected the VIP G2 to an AV receiver for playing surround sound. To answer some of the questions about digital audio formats you may need to look at the instructions that came with your AV receiver.

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

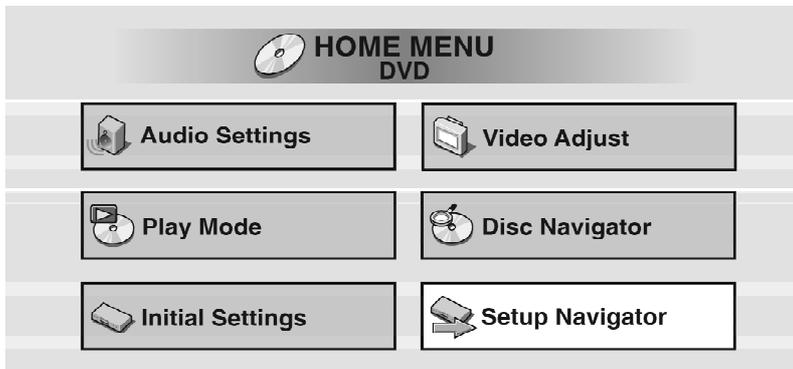
Also turn on your TV and make sure that it is set to the correct video input.

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

The on-screen display (OSD) appears.



3. Select **[Setup Navigator]**.



4. Select a DVD language.

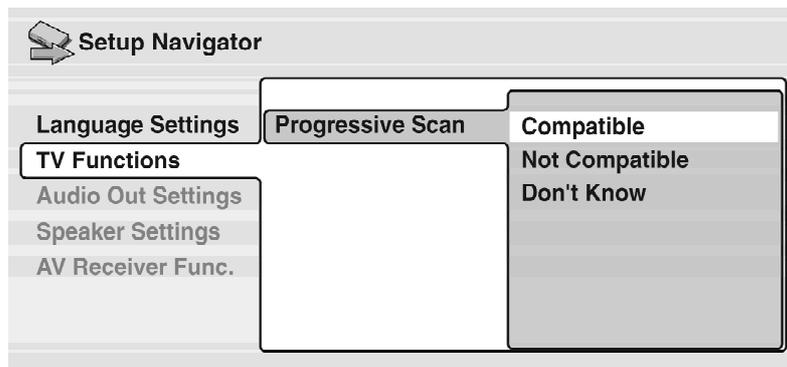
Some DVD discs feature on-screen menus, soundtracks and subtitles in several languages. Set your preferred language here.



- 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" on page 118.

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

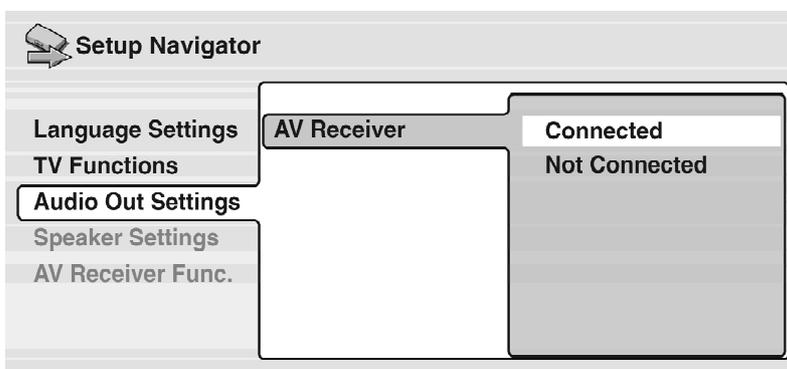
Select **[Compatible]**, **[Not Compatible]** or **[Don't Know]**.



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

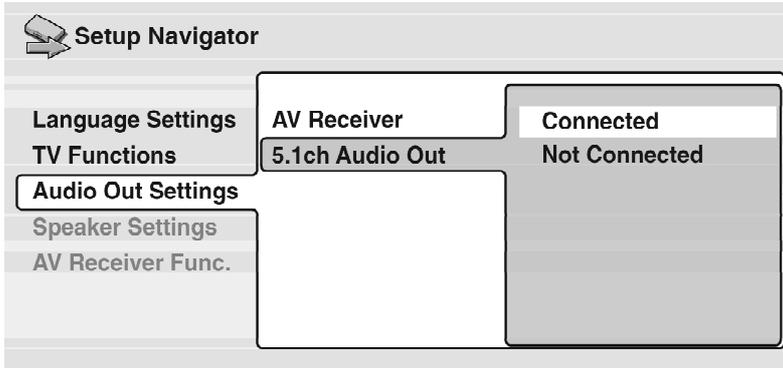
6. Did you connect this player to an AV-Receiver?

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



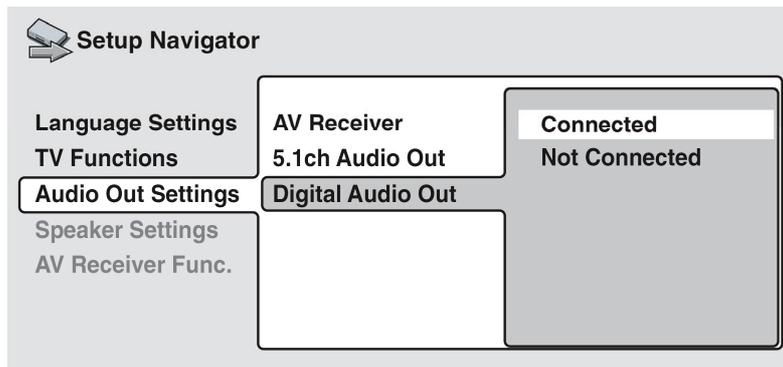
7. Did you connect the 5.1 channel analog audio outputs to your AV receiver?

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



8. Did you connect the VIP G2 to your AV receiver using the digital audio output?

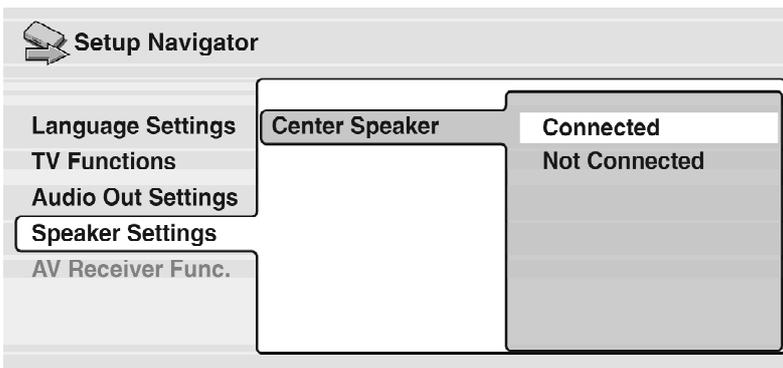
Select **[Connected]** or **[Not Connected]**.



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

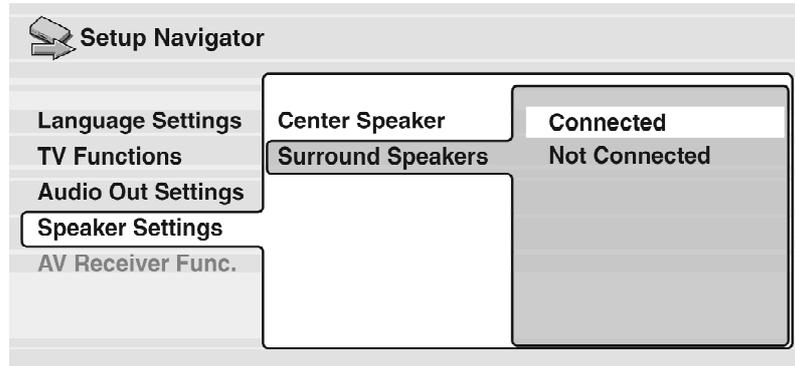
9. Do you have a center speaker connected to your AV receiver?

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



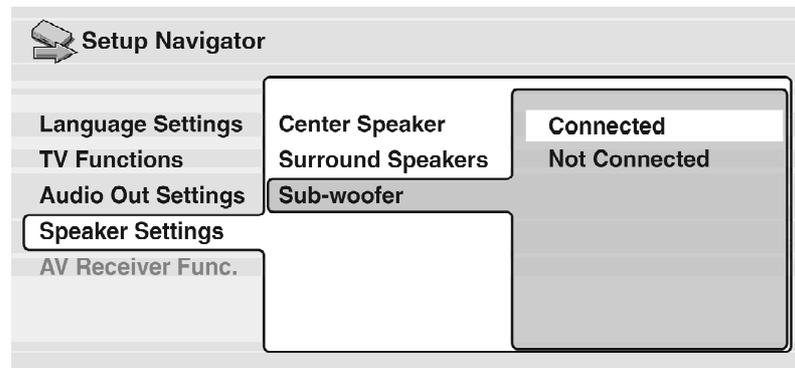
10. Do you have surround speakers connected to your AV receiver?

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



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

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

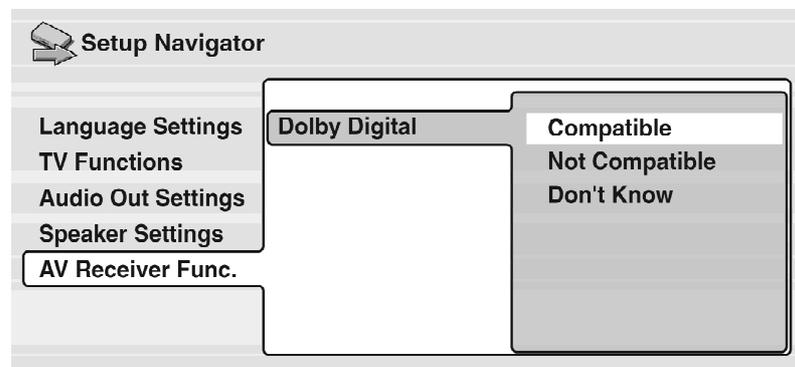


- If you selected **[Not Connected]** in step 8, that completes the setup. Press **Ent.** or **TV** to leave the Setup Navigator.

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]**.



13. Is your AV receiver DTS compatible?

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

The screenshot shows the 'Setup Navigator' interface. On the left, a vertical menu lists: Language Settings, TV Functions, Audio Out Settings, Speaker Settings, and AV Receiver Func. (highlighted). The main area is divided into two columns. The left column contains 'Dolby Digital' and 'DTS' (highlighted). The right column contains three radio button options: 'Compatible' (selected), 'Not Compatible', and 'Don't Know'.

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

Select **[Compatible]** in any case. See section "Linear PCM Out" on page 82 for details.

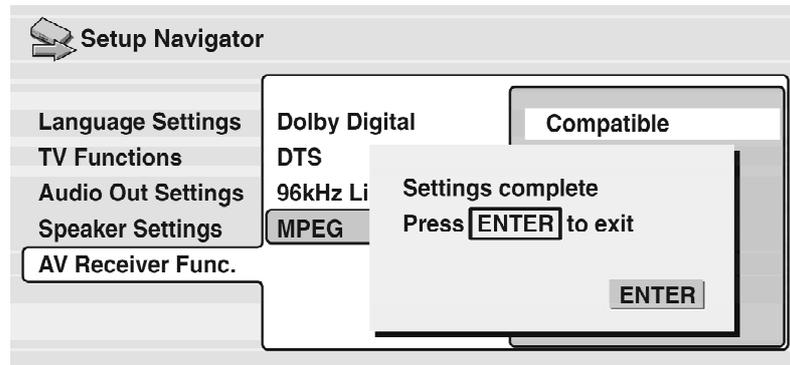
The screenshot shows the 'Setup Navigator' interface. On the left, a vertical menu lists: Language Settings, TV Functions, Audio Out Settings, Speaker Settings, and AV Receiver Func. (highlighted). The main area is divided into two columns. The left column contains 'Dolby Digital', 'DTS', and '96kHz Linear PCM' (highlighted). The right column contains three radio button options: 'Compatible' (selected), 'Not Compatible', and 'Don't Know'.

15. Is your AV receiver MPEG compatible?

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

The screenshot shows the 'Setup Navigator' interface. On the left, a vertical menu lists: Language Settings, TV Functions, Audio Out Settings, Speaker Settings, and AV Receiver Func. (highlighted). The main area is divided into two columns. The left column contains 'Dolby Digital', 'DTS', '96kHz Linear PCM', and 'MPEG' (highlighted). The right column contains three radio button options: 'Compatible' (selected), 'Not Compatible', and 'Don't Know'.

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



Congratulations, setup is complete!

9.6 **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 G2 isn't already on, press key power on the front panel or  on the remote control 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 42 und "*Video CD/Super VCD PBC menus*" on page 42 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.

9.6.1 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 Ent. (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).

9.6.2 Front panel controls

The **play**, **stop** and **pause** keys on the front panel of the VIP G2 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.

9.6.3 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 98 for further information.

Key	Function
	Displays the "top menu" of a DVD disc – this varies with the disc.
	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.
	Selects the current menu option.
	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 Ent. to select (or wait a few seconds).

9.6.4 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 track skip key **▶▶** to select a track, rather than the **▶** (play) key.

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



FAQ (frequently asked questions)

- ***After I inserted a DVD-Disc, it is not play 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 G2. Refer to section "*About discs*" on page 26. 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 112. 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 112 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 26 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. Refer to section "*Video outputs*" on page 128. Also make sure that if your TV is not compatible with progressive scan video, that the **PRGRSVE** indicator is not lit. If it is, 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 such that even when played on a widescreen 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 G2 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 G2, 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 27.

- ***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 G2. 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 27.

- ***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 can't hear multi-channel DVD-Audio using the HDMI interface. Make sure that **DVD-Audio Out** is set to **[2 Channel]** for a stereo downmix (note that some discs will not allow you to do this). Also, you won't hear any sound from the HDMI output if the source component is only DVI/HDCP-compatible.

- ***My AV receiver is definitely compatible with 96/88.2kHz 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** (LowBit 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 132.

- ***I've connected the VIP G2 to a HDMI/DVI compatible component, but I can't get any!***

Make sure that you have selected the VIP G2 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 137 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 G2. Refer to section "Connecting using HDMI" on page 137 for more on HDMI compatibility. Make sure the resolution on the VIP G2 matches that of the component you have connected using HDMI. Refer to section "HDMI Settings" on page 102 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 32. 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 the disc playing 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.

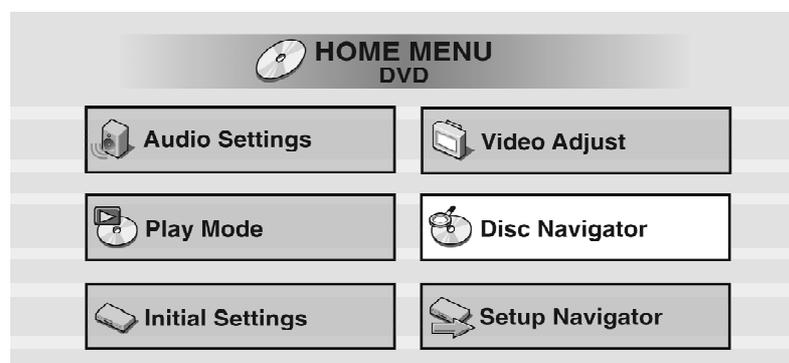


Important

- 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.

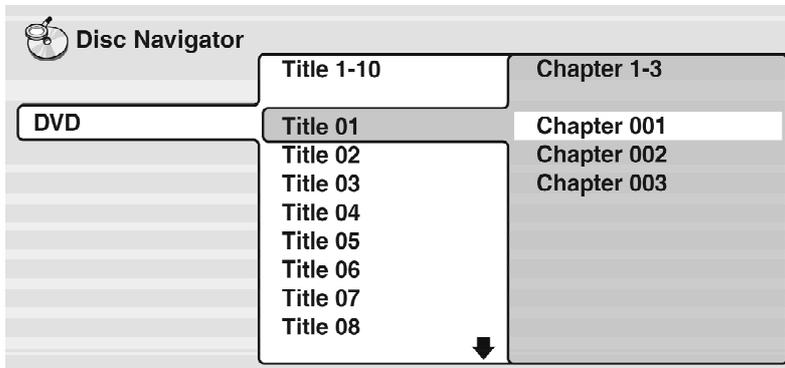
1. Press **Home Menu** and select **[Disc Navigator]** from the on-screen display.

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.

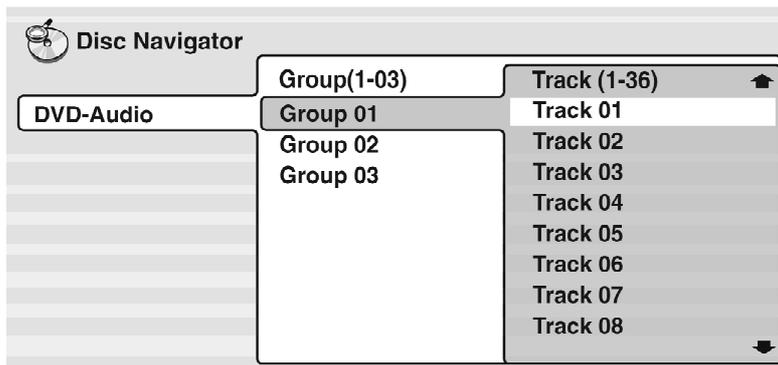


2. Select what you want to play.

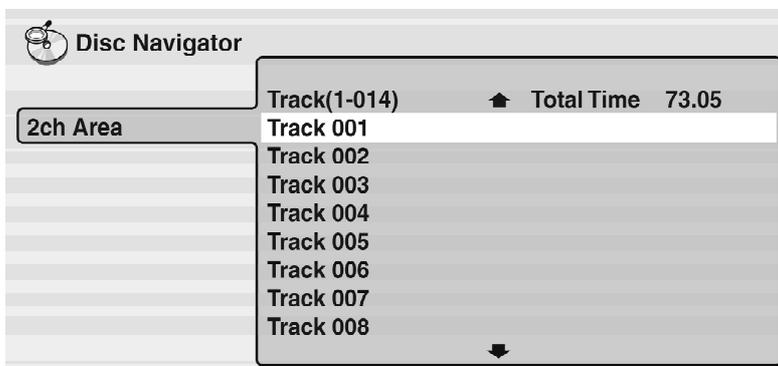
Depending on the type of disc you have loaded, the Disc Navigator looks slightly different. For DVD-Video discs select a title, or a chapter within a title.



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 key  to preview the title.

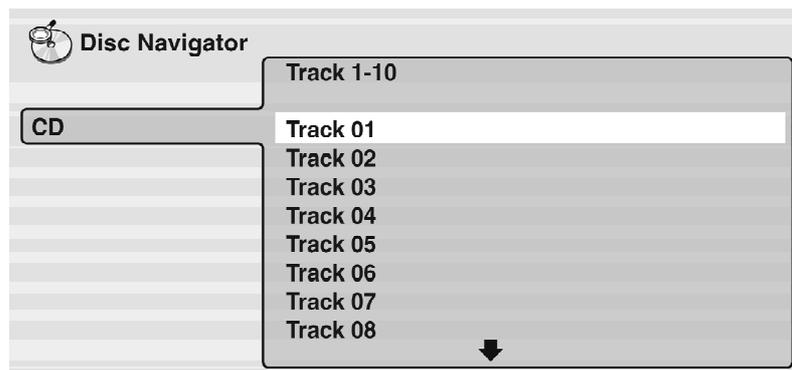


Important

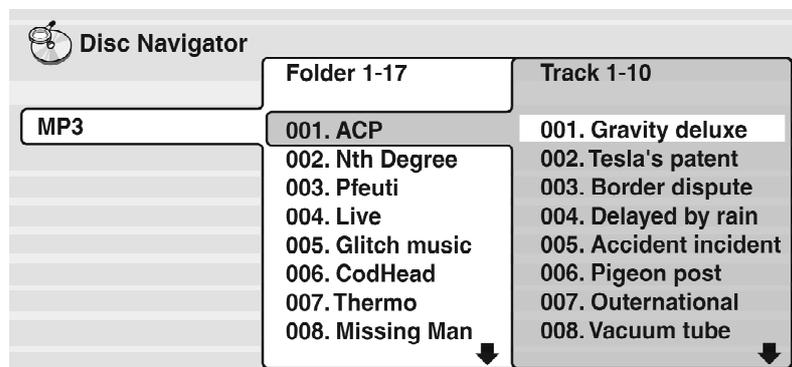
- It's not possible to switch between Original and Playlist during playback.
- Not all DVD-RW discs have a Playlist.



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 – F_033, T_035, etc.



Playback starts after you press **Ent.** or .



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 ◀◀ 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 onscreen.
 - There is no sound during slow motion playback.

3. Press repeatedly to change the slow motion speed.

- The slow motion speed is displayed onscreen.

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 **Fehler! Textmarke nicht definiert.**), 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 Fehler! Textmarke nicht definiert.), press ◀◀ or ▶▶ to view the previous/next picture.

10.5 Looping a section of a disc

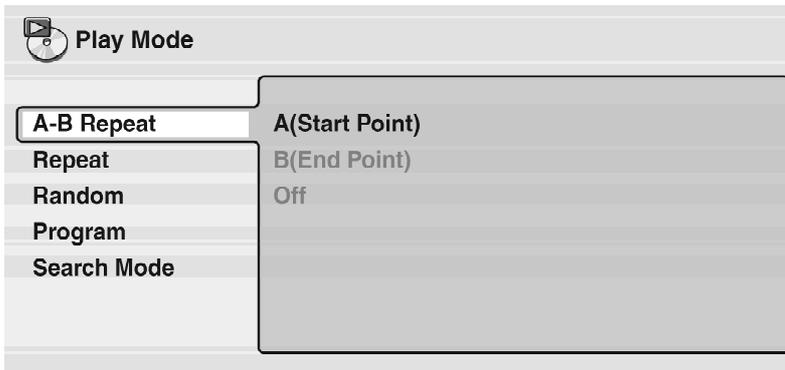
The **A-B Repeat** function allows you to specify two points (A and B) within a track (DVD-Audio, CD and Video CD) or title (DVD-Video and DVD-RW) that form a loop which is played over and over.



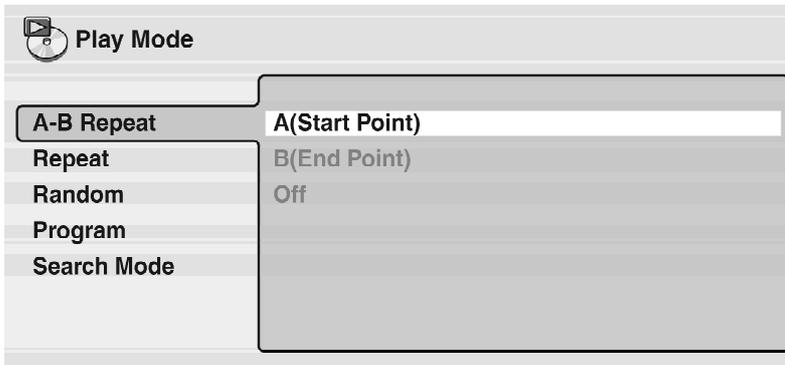
Important

- 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.

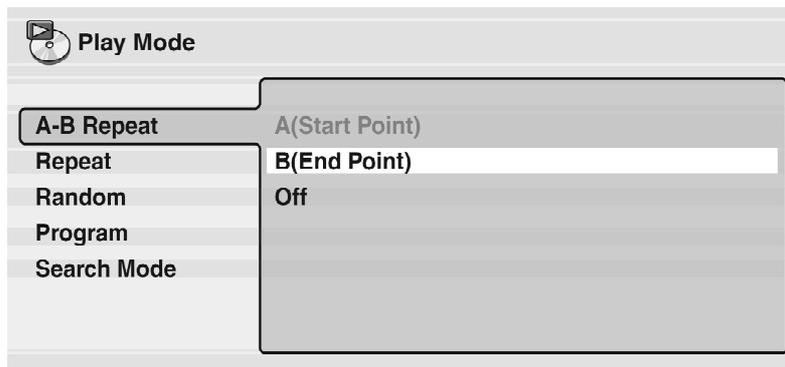
1. During playback, press **Play Mode** and select **[A-B Repeat]** from the list of functions on the left.



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



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



After pressing **Ent.** or  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

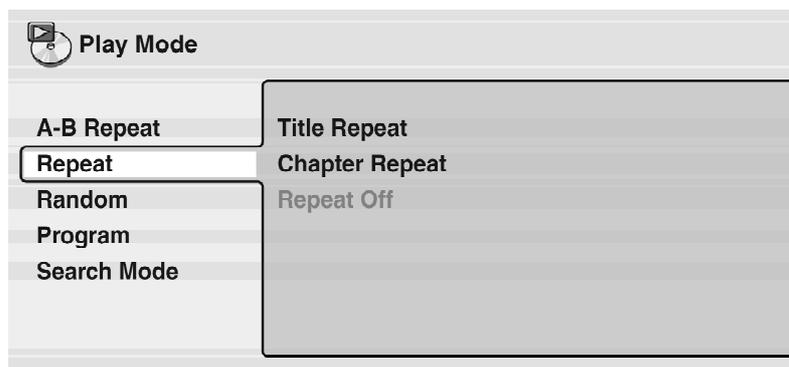
There are various repeat play options, depending on the kind of disc loaded. It's also possible to use repeat play together with program play to repeat the tracks/chapters in the program list (refer to "Creating a program list" on page 55).



Important

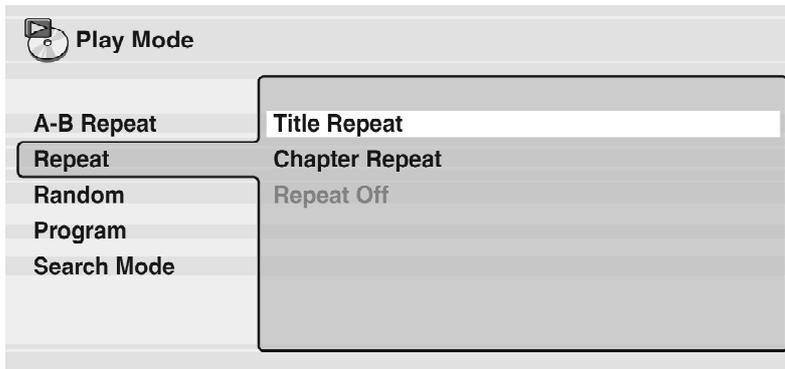
- **Repeat play** is not available with Video CD/Super VCDs in PBC mode, or while a DVD disc menu is being displayed.

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

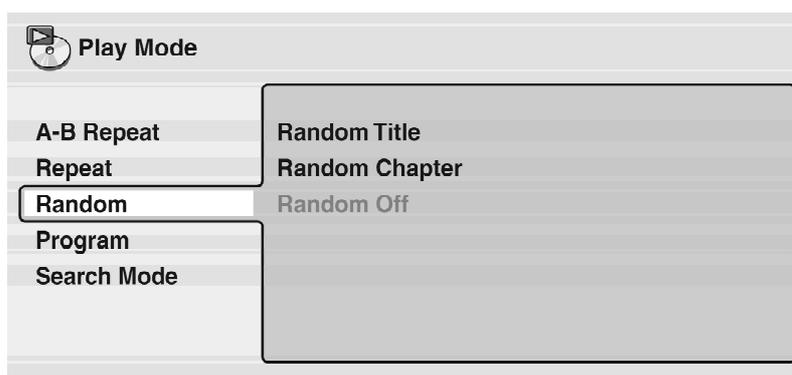
Use the random play function to play titles or chapters (DVD-Video), groups or tracks (DVD-Audio), or tracks (CD, Video CD/Super VCD and MP3 discs) in a random order. You can set the random play option when a disc is playing or stopped.



Important

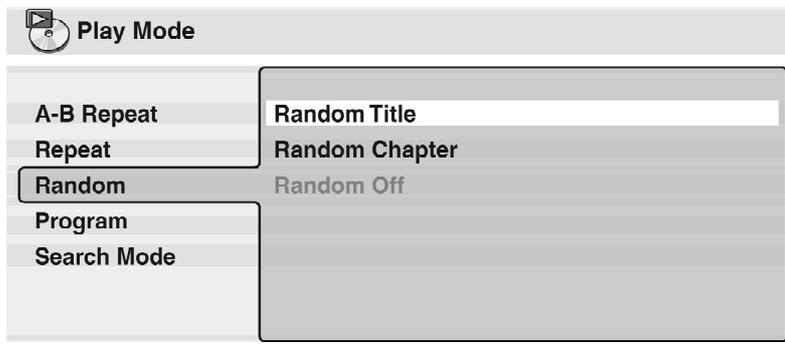
- You can't use random play with SACDs, DVD-RWs, Video CD/Super VCDs playing in PBC mode, or while a DVD disc menu is being displayed.

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 playback, press **■** (stop).
- You can also cancel random playback 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.

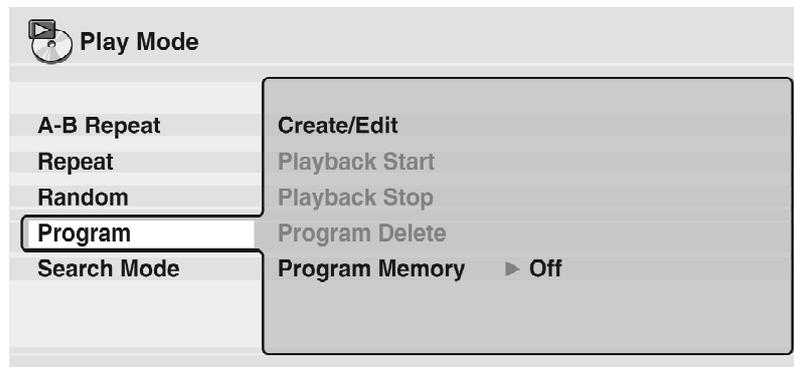
10.8 Creating a program list

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

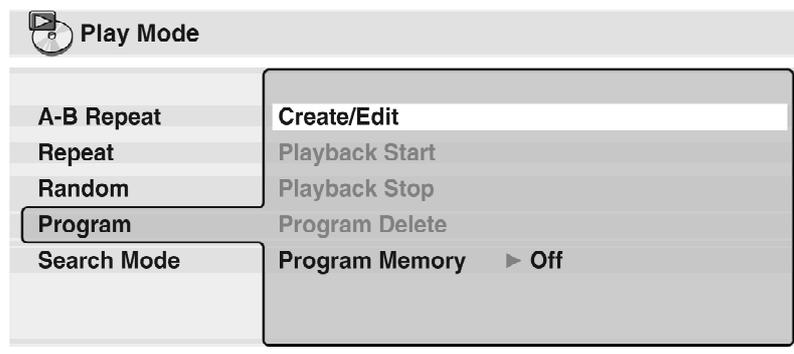


Important

- **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.

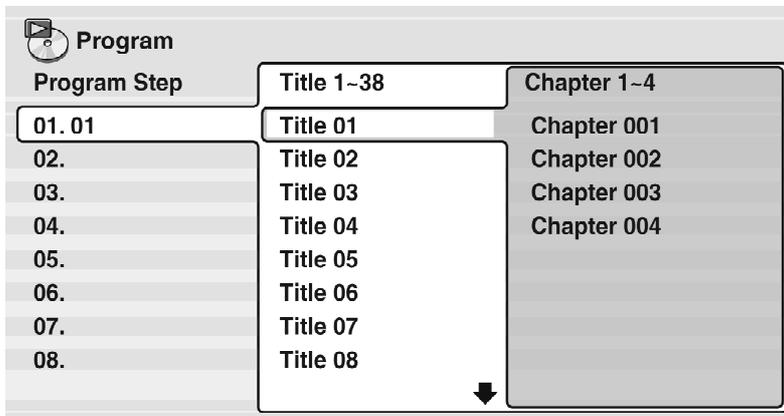


The Program edit screen that appears depends on the kind of disc loaded. On the left side is the program list, then to the right is a list of titles (if a DVD-Video disc is loaded), groups (for DVD-Audio), tracks (for SACDs, CDs and Video CD/Super VCDs), or folders (for MP3 discs). On the far right is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

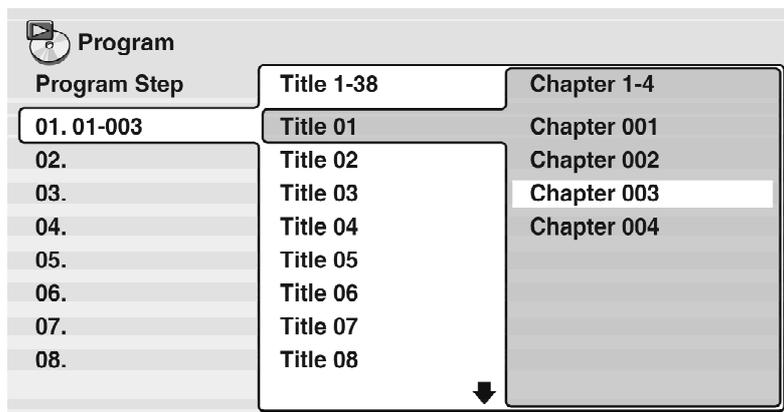
3. Select a title, chapter, group, folder or track for the current step in the program list.

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.

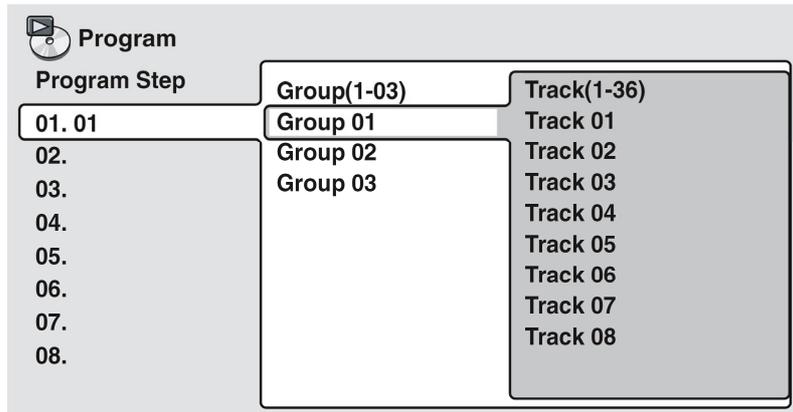


- To add a chapter, first highlight the title, then move the cursor right and select a chapter from the list.

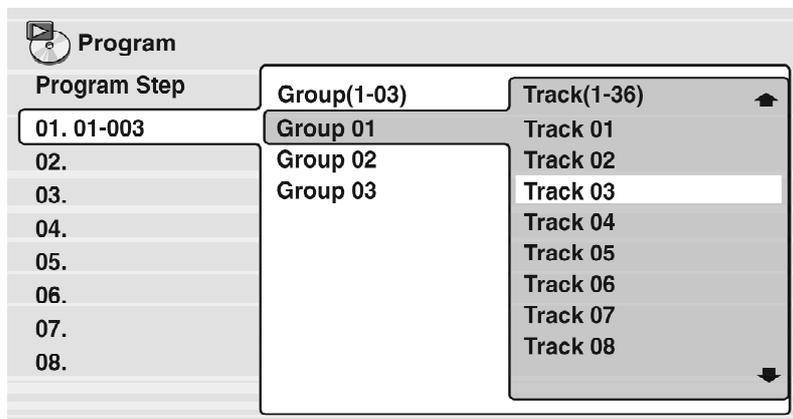


For a DVD-Audio disc, you can add a whole group, or a track within a group to the program list.

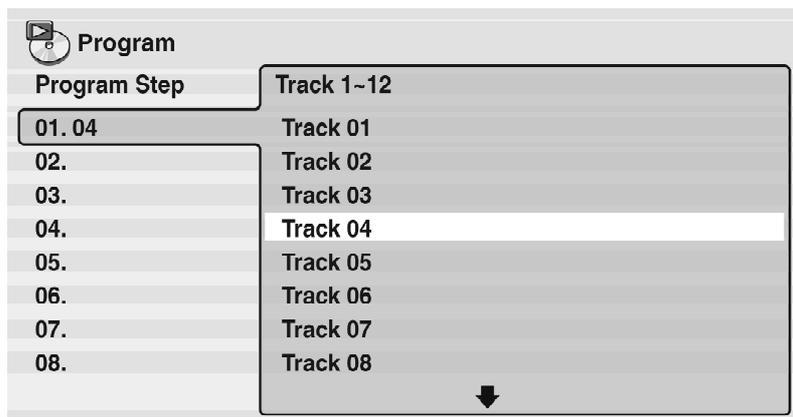
- To add a group, select the group.



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

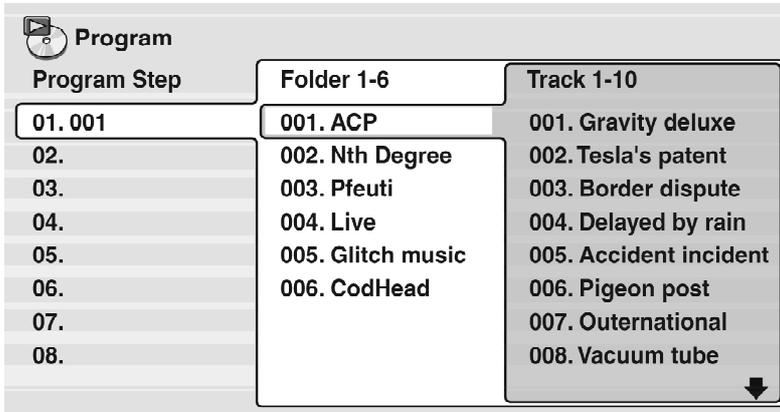


For SACD, CD or Video CD/Super VCD, select a track to add to the program list. The screen below shows a CD loaded:

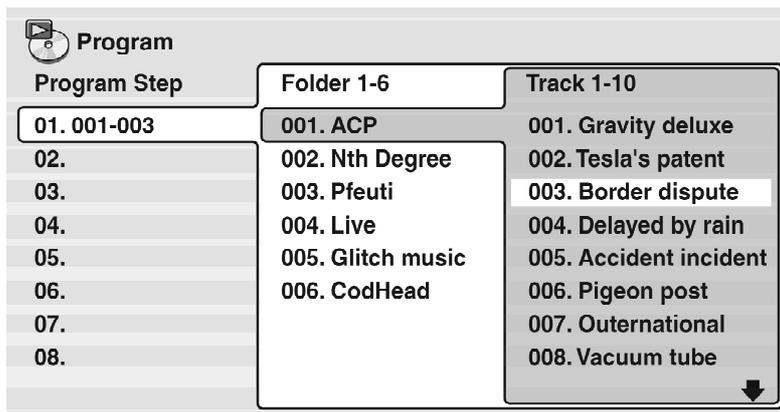


For an MP3 disc, you can add a whole folder, or a track within a folder to the program list.

- 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 **Ent.** or  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), eject the disc or switch off the VIP G2.



Tip

- To exit the program edit screen without starting playback, press **Play Mode** or **Home Menu**. Don't press **Return**. 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 **Ent.** or **OK**, 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.



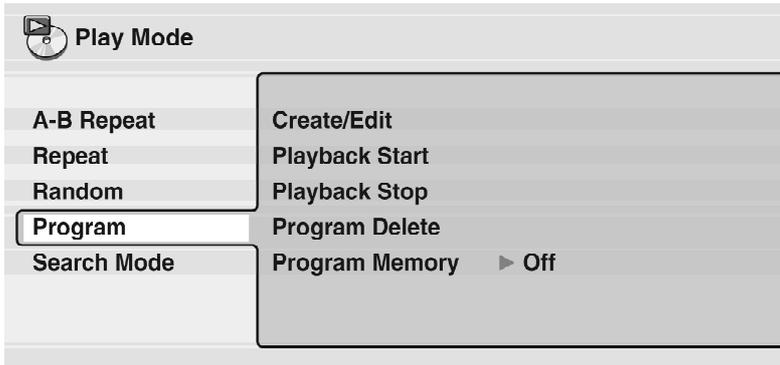
Tip

- 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**.

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 55.

[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 50 and following).

10.9.1 Track repeat

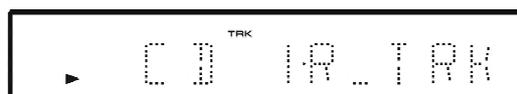
With the repeat function you can repeat a track of the disc or the complete disc in a loop.

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).

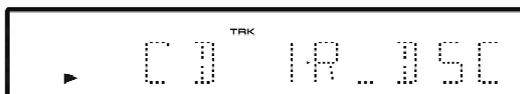
10.9.2 Disc repeat

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_DSC indicates that the "Repeat Disk" function is active.

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

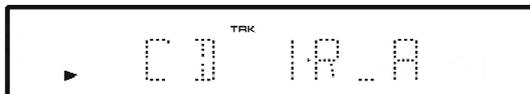
The **A-B Repeat** function allows you to specify two points (A and B) within a track (DVD-Audio, CD and Video CD) or title (DVD-Video and DVD-RW) that form a loop which is played over and over.

1. 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:



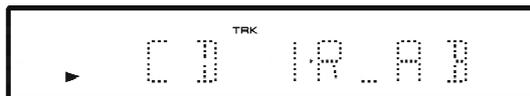
CD identifies the loaded disc type, 1 is the number of the track to be repeated, and R_A indicates that point A is now set for the function A-B repeat.

2. 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**.



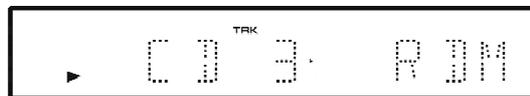
Important

- 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 dis-

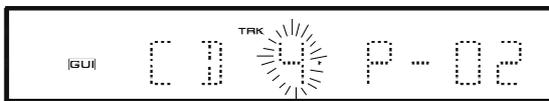
play showing a flashing "Random Track" or "Random Group" before you select the corresponding function by pressing **Ent.** or .

- 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.

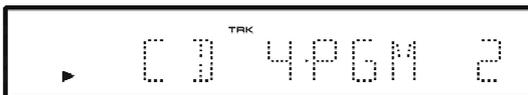


CD identifies the loaded disc type, the flashing 4 is the number of the title you currently selected, and P-02 tells you the current number of already programmed titles.

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

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**.

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 G2. To start playback the saved play list again, press key **Program** and then **▶ (play)**.

4. To delete the play list press key **Del . PRG (Delete Program)**.

The display indicates the function by:



The play list (program) is now deleted.



Note

- The function **De1 . PRG** is a macro function of the Audionet system remote control SRC, i.e. a list of remote control commands. Please point the remote control towards the VIP G2 during execution of the macro is finished (approx. 2 sec). For further information on macro commands, please refer to the user's manual of the Audionet system remote control SRC.
- 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

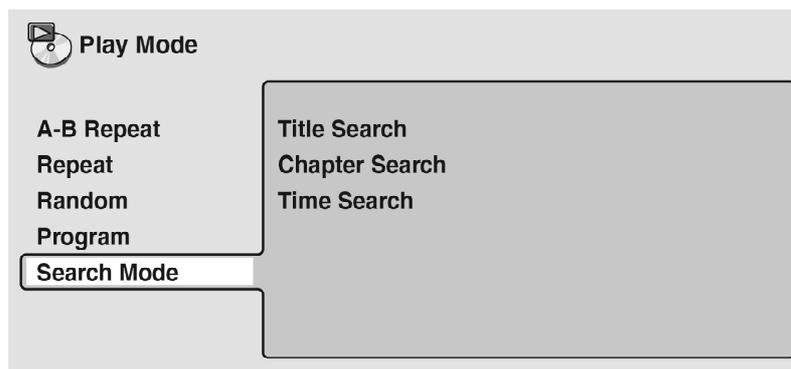
- If you create a play list from a **SACD**, it works just like programming from an Audio-CD. You can select tracks to be entered in the play list from the current selected area only.
- If you create a play list from a **DVD-Audio** or **MP3** disc, use keys   to select the group/folder where the track to be programmed next is located in first. Then press  to get to the chapter/track selection. Now select the track to be programmed into the play list with the keys  . To get back to the group/folder selection use key .
- For further information about the program function please refer to section "Creating a program list" on page 55.

10.10 Searching a disc

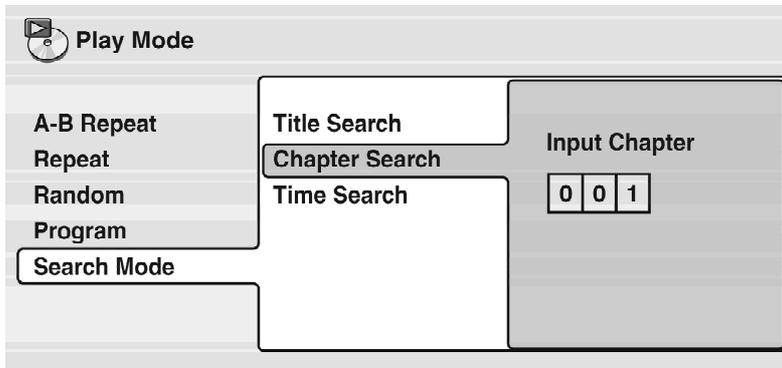
Using the search mode function from the **Play Mode** menu you can quickly jump to a particular part of the disc that you're watching or listening to.

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, 0**, to have playback start from 45 minutes into the disc. For 1 hour, 20 minutes and 30 seconds, press **8, 0, 3, 0**.
 - Some DVD-Audio discs feature pages of browsable pictures. Enter the page number.
4. Press **Ent.** or  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 42.

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 keys   and **Ent.** or  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 88.

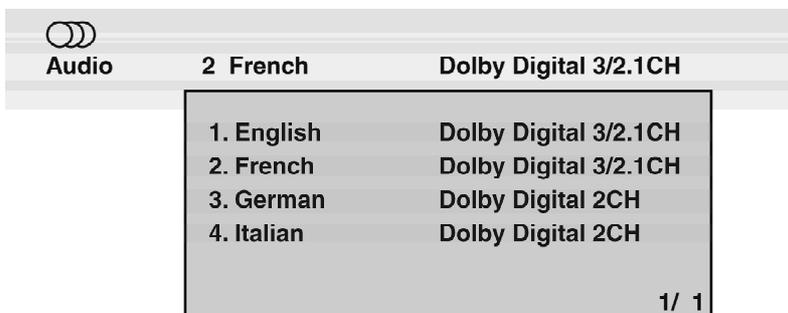
10.12 Switching the DVD audio language

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 keys   and **Ent.** or  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 87.

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.



Play	DVD -Audio			
	Current / Total	Elapsed	Remain	Total
Group	1/3	3.21	53.20	56.41
Tr. Rate :				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

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

During multi-channel playback only:

Play	SACD			
	Current / Total	Elapsed	Remain	Total
Track	1/9	0.22	3.38	4.00
3/2.1CH				
Audio				

Play	SACD		
	Elapsed	Remain	Total
Disc	0.05	73.00	73.05

- 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:



With SuperVCDs, 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 45.

11 Audio Settings menu

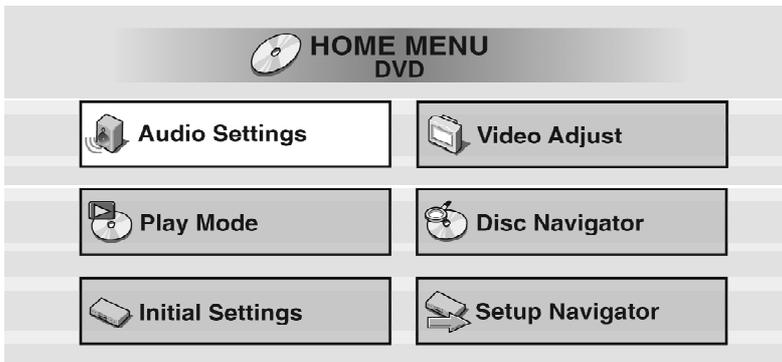
11.1 Audio DRC

- Default setting: **[Off]**

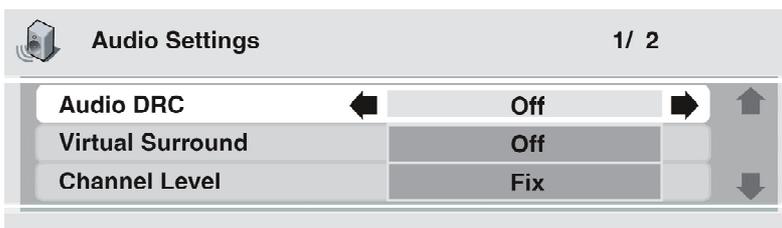
When watching Dolby Digital DVDs at low volumes, it's easy to lose the quieter sounds completely – including some of the dialog. Switching **Audio DRC** (Dynamic Range Control) to **[On]** can help by bringing up the quieter sounds, while controlling loud peaks.

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]** and select **[Audio Settings]** from the on-screen display.



2. Highlight **[Audio DRC]** and use keys **[VOL-]** **[VOL+]** to change to **[On]** or **[Off]** as required.



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



Note

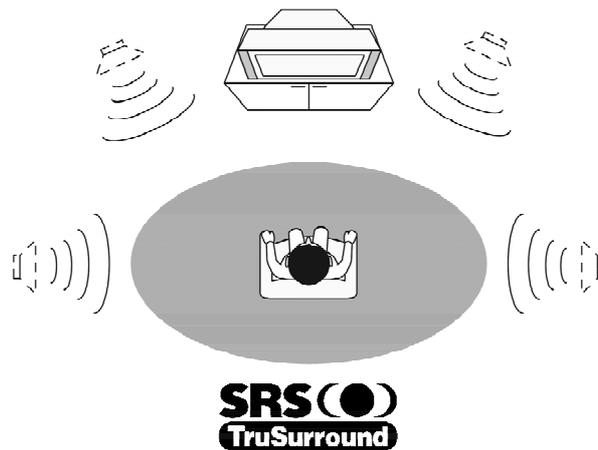
- **Audio DRC** is only effective with Dolby Digital audio sources.

- **Audio DRC** is only effective through the digital output when **Dolby Digital Out** is set to **[Dolby Digital > PCM]** (refer to page 81). Please make sure that the digital outputs of the VIP G2 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 132).
- The effect of **Audio DRC** depends on your speakers and AV receiver settings.

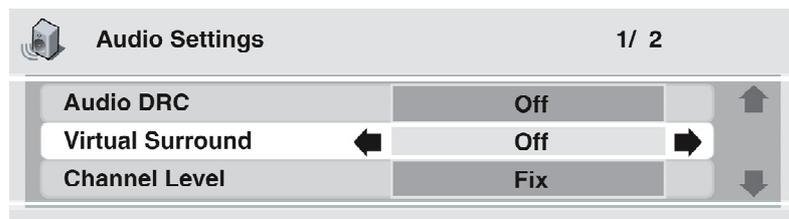
11.2 Virtual Surround

- 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 process certified by Dolby Laboratories for Virtual Dolby Digital sound.



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



3. Press **Ent.** or **OK** 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

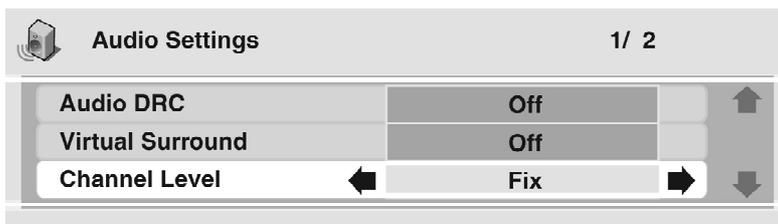
- Virtual Surround does not work with CD, MP3, DVD-Audio or SACD discs, or 96 kHz Linear PCM soundtracks.
- Make sure that **Audio Output Mode** is set to **[2 Channel]** (refer to section "Audio Output Mode" on page 106).
- How good the surround effect is varies with the disc.

11.3 Channel Level

- Default setting: **[Fix]**

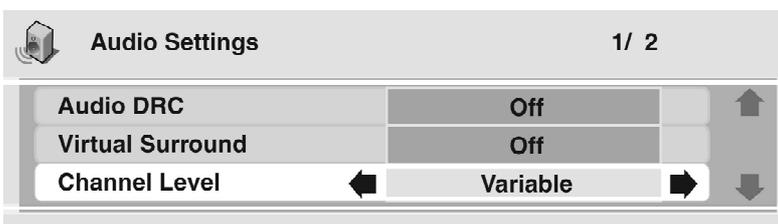
The setting allows you to set the level of each channel sent to the 5.1 channel analog outputs.

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

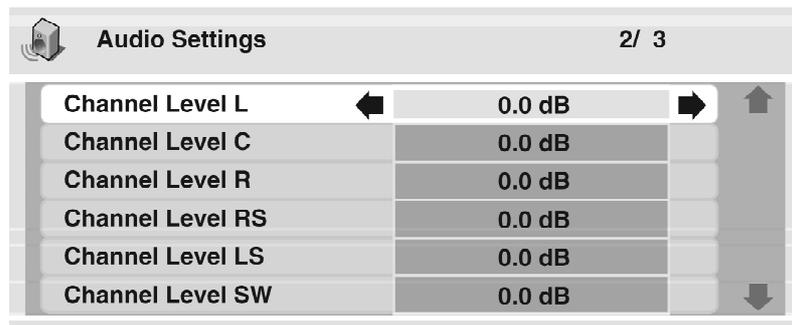


- Fix** – Channel levels are fixed, but you can set the speaker distances.
- Variable** – You can specify variable channel levels as well as speaker distances.

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



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



- Use the keys to select a speaker.

- Use keys 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 **Ent.** or to make the settings and exit the **[Audio Settings]** screen.



Note

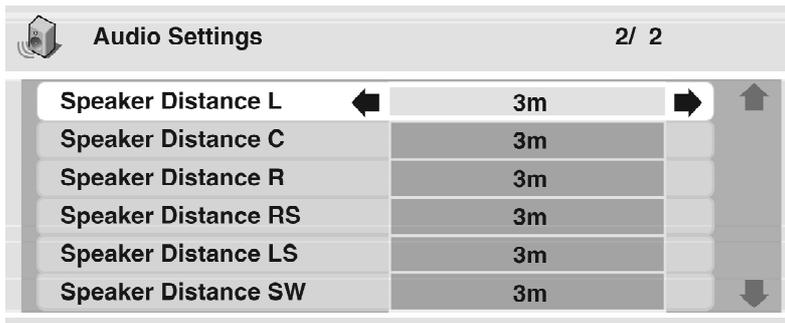
- You can't adjust the channel level for any speakers that are set to **[Off]** on the screen **[Speaker Installation]** (refer to section "*Speaker Installation*" on page 107).
- The **[Fix]** setting is equivalent to setting all the channel levels to **+6 dB**. Therefore, the **[Variable]** setting 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** and select **[Audio Settings]** from the on-screen display.
2. Move the cursor down using key until you reach the Speaker Distance setting screen.



- Use keys to select a speaker.
- Use keys 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 **Ent.** or 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

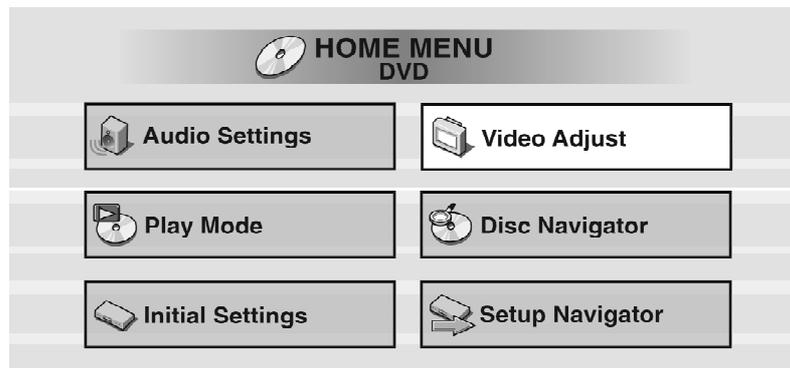
12.1 Video Adjust

- 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** and select **[Video Adjust]** from the on-screen display.

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



2. Use the keys **◀ VOL- ▶ VOL+** 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.
- **Memory1-3** – 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.

- **Memory1–3** – Use for saving your own presets (see below).

3. Press **Ent.** or  to make the setting and exit the **[Video Adjust]** screen.



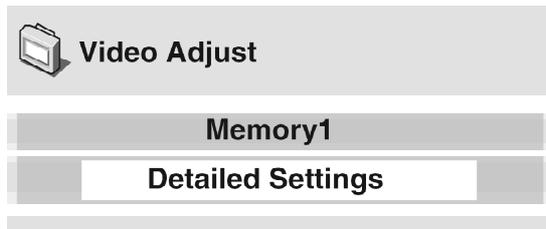
Note

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

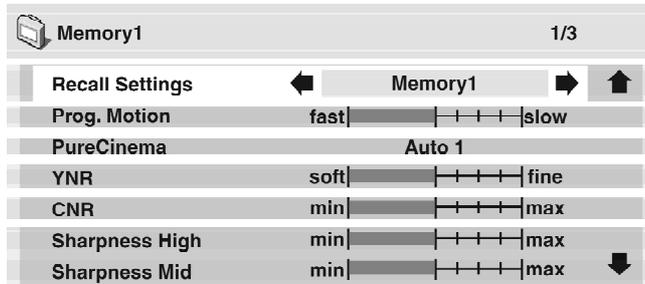
12.2 Creating your own presets

You can create up to three presets of your own.

1. Select one of the Memory presets (see above).
2. Use key  to select **[Detail Settings]**, then press **Ent.** or .



3. Adjust the picture quality settings.



- Use keys   to select a setting.
- Use keys   to adjust the current setting.
- Press **Display** 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 G2 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]**.
 - **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. *This setting only affects progressive video output!*
4. Press **Ent.** or  to save the preset and exit the **[Video Adjust]** screen.



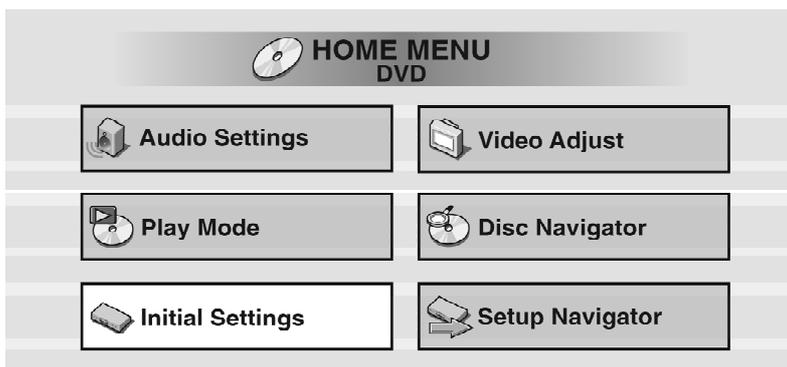
Note

- 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.

13 Initial Settings menu

The **[Initial Settings]** menu gives you complete control in setting up your VIP G2, 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** 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

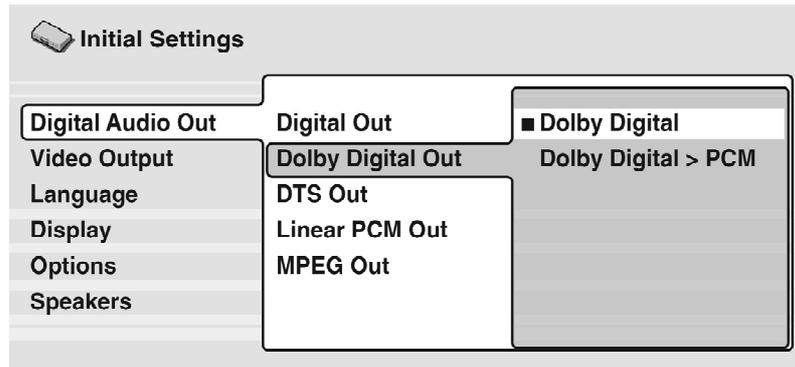
- The language options shown in the on-screen display illustrations on the following pages may not correspond to those available in your country or region.

13.1 Digital Audio Out settings

13.1.1 Dolby Digital Out

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

You only need to make this setting if you connected the VIP G2 to an AV receiver (or other component) using one of the digital outputs.



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

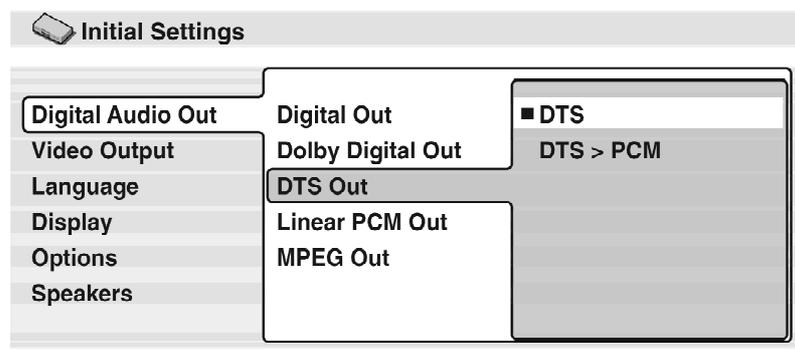


Note

- 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 soundtrack.

13.1.2 DTS Out

You only need to make this setting if you connected the VIP G2 to an AV receiver (or other component) using one of the digital outputs.



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.

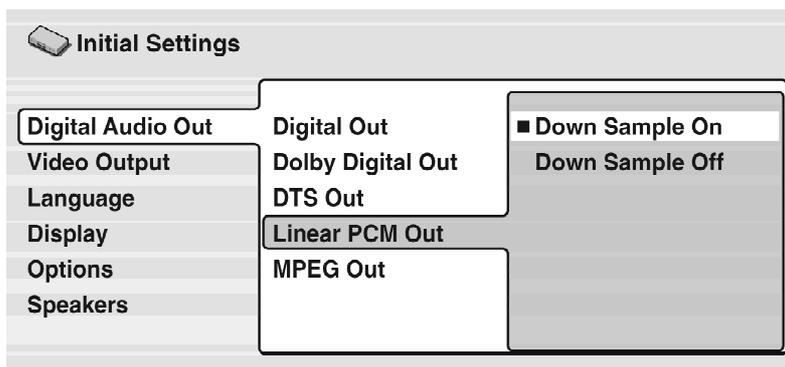


Note

- If you set 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 133 to determine which sample rate is available at which digital output depending on the disc format and output mode.



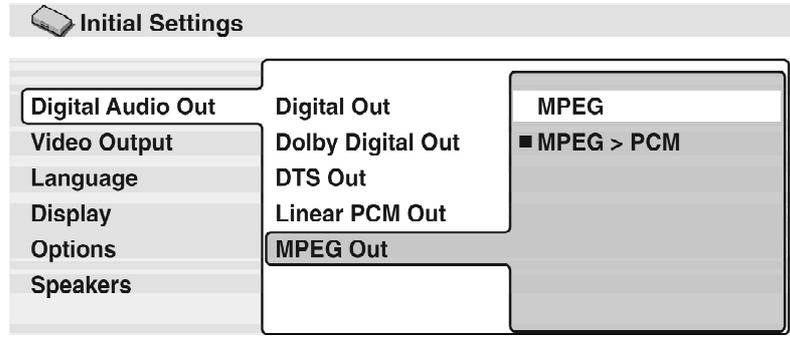
Note

- When an HDMI component is connected, the setting is automatically fixed at **[Down Sample Off]**. However, 88.1/96 kHz sources will still be down-sampled to 44.1/48 kHz.

13.1.4 MPEG Out

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

You only need to make this setting if you connected the VIP G2 to an AV receiver (or other component) using one of the digital outputs.

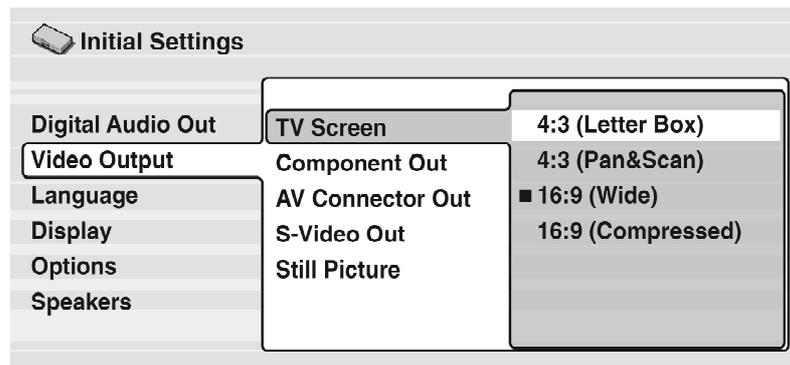


If your AV receiver (or other connected component) is compatible with MPEG audio, set this to **[MPEG]**, otherwise set it to **[MPEG > PCM]**. MPEG audio is then converted to more compatible PCM audio. Check the manual that came with the other component of you're unsure whether it is MPEG audio compatible.

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 114.



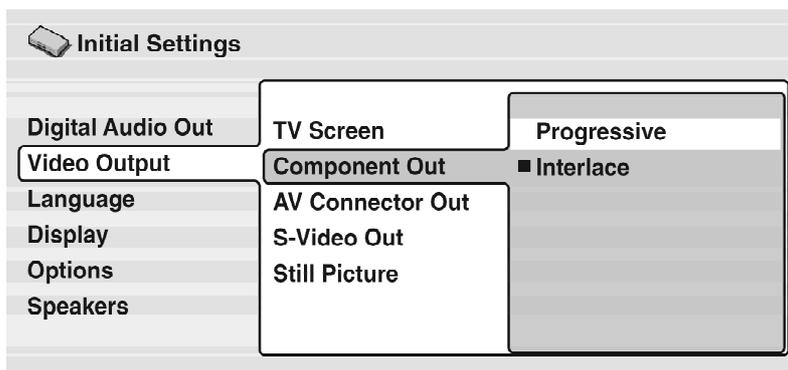
Note

- 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 G2 to your TV using the component video outputs.



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 G2 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 in *"AV Connector Out"* below will automatically be switched off when the component video outputs are set to output progressive-scan video.

13.2.3 AV Connector Out

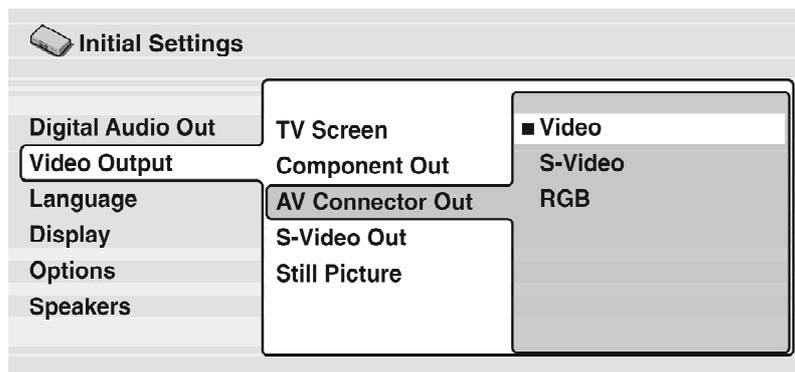
- Default setting: **[Video]** → **YUV Out**

You only need to make this setting if you connected the VIP G2 to your TV using the YUV/RGB outputs.



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 either 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 128).



- **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.



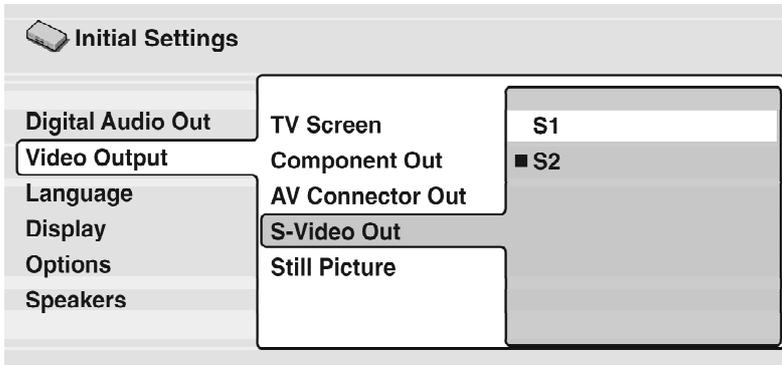
Important

- 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 connector.

13.2.4 S-Video Out

- Default setting: **[S2]**

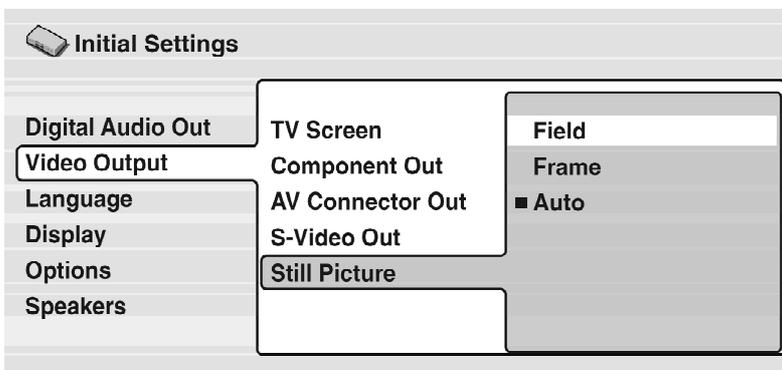
You only need to make this setting if you connected the VIP G2 to your TV using an S-video cable.



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 G2 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

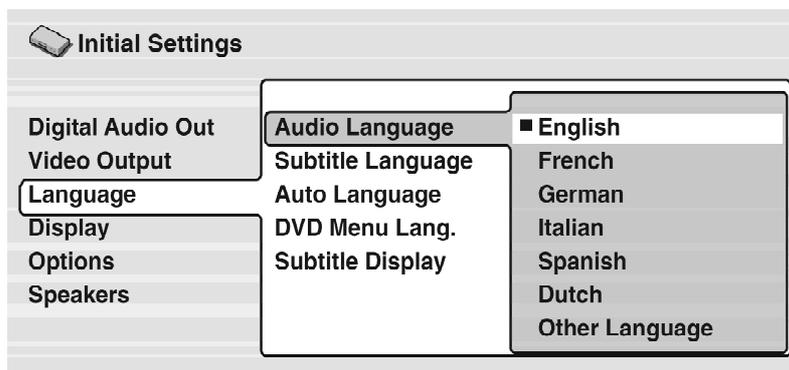


Note

- 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 G2 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 118.

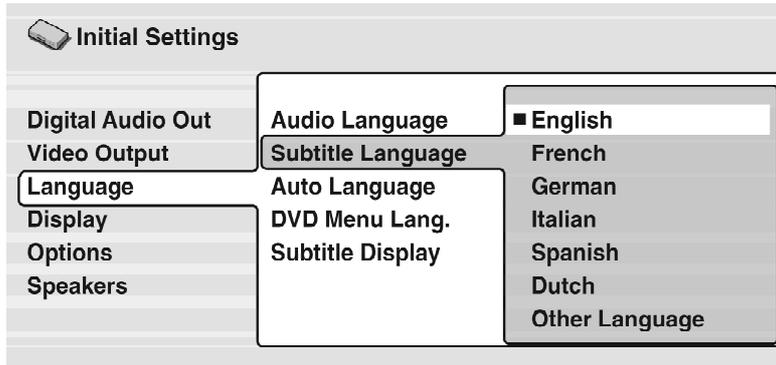


Tip

- 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 G2 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 118.

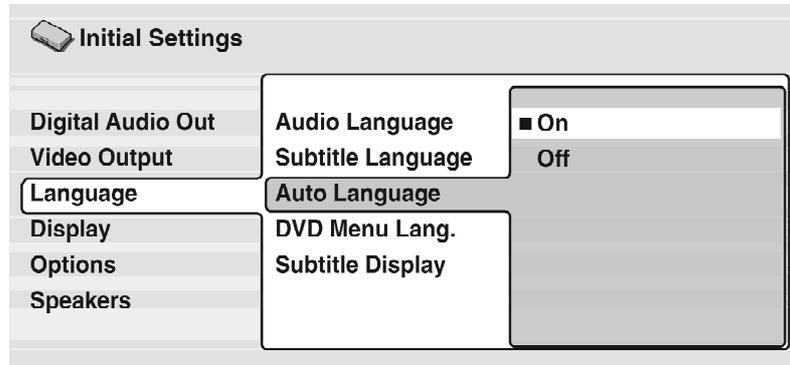


Tip

- 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: **[On]**



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 G2 play discs strictly according to your **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 87 and "Subtitle Language" on page 88).

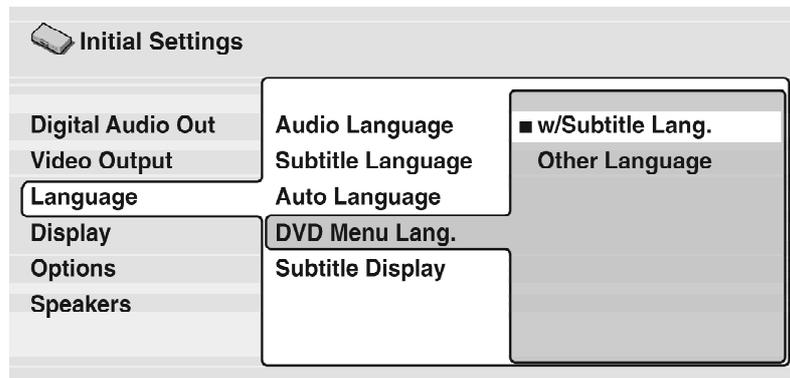


Tip

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

13.3.4 DVD Menu Language

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

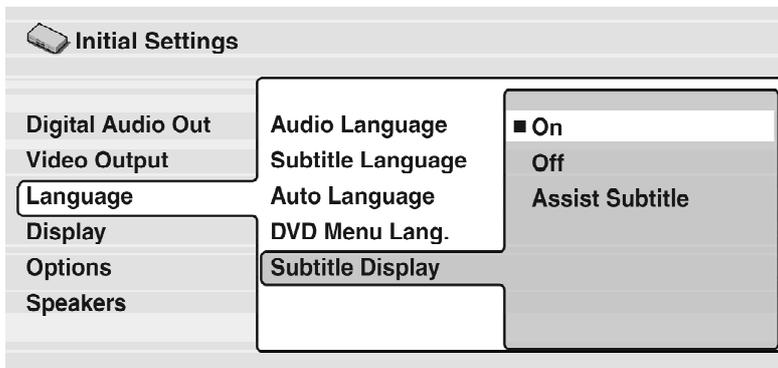


Some multilingual discs have menus in several languages. This setting specifies in which language the disc menus should appear. Leave on the default setting for menus to appear in the same language as your **Subtitle Language** – see above.

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 118.

13.3.5 Subtitle Display

- Default setting: **[On]**



When set to **[On]**, the VIP G2 displays subtitles according to the **[Subtitle Language]** and **[Auto-Language]** settings.

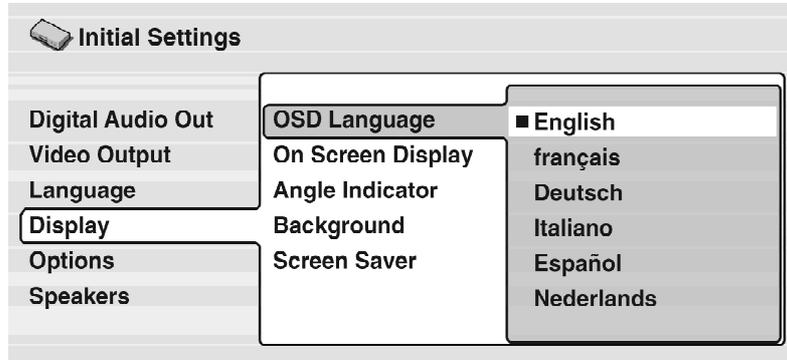
Set to **[Assist Subtitle]** to have the VIP G2 display the extra assistive subtitles recorded onto some DVD discs.

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

13.4 Display settings

13.4.1 OSD Language

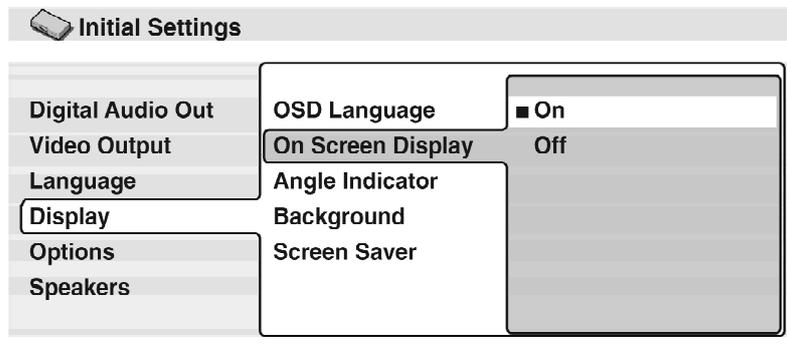
- Default setting: **[English]**



This sets the language of the VIP G2's on-screen displays.

13.4.2 On Screen Display

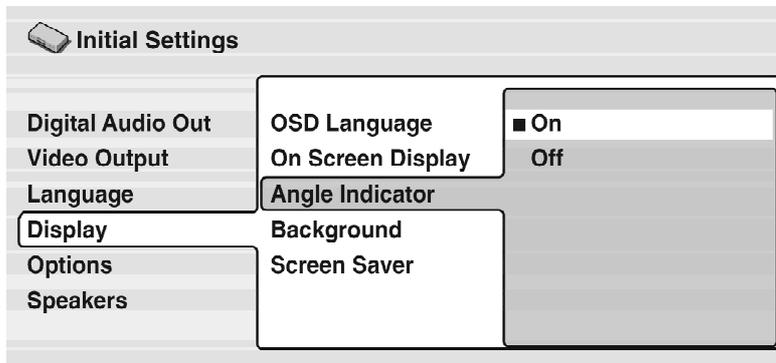
- Default setting: **[On]**



This sets whether operation displays are shown on-screen (**Play, Resume, Scan** and so on).

13.4.3 Angle Indicator

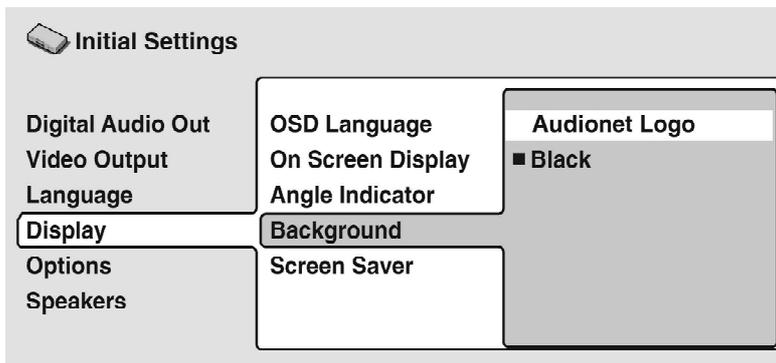
- Default setting: **[On]**



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: **[Black]**

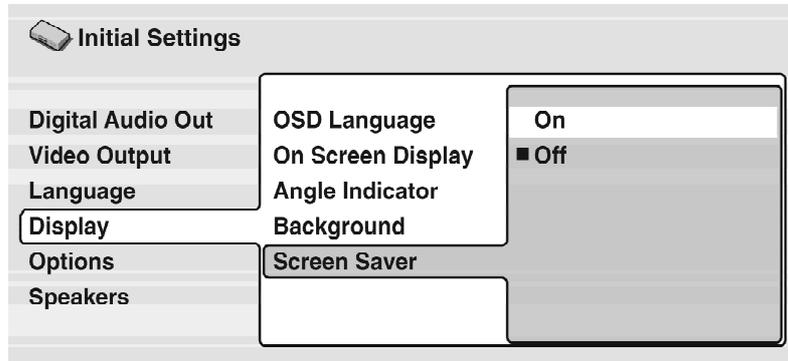


This specifies what is displayed on-screen when the VIP G2 is stopped.

- **Audionet 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 G2 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 G2.

Some discs also support the Country Code feature. The VIP G2 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

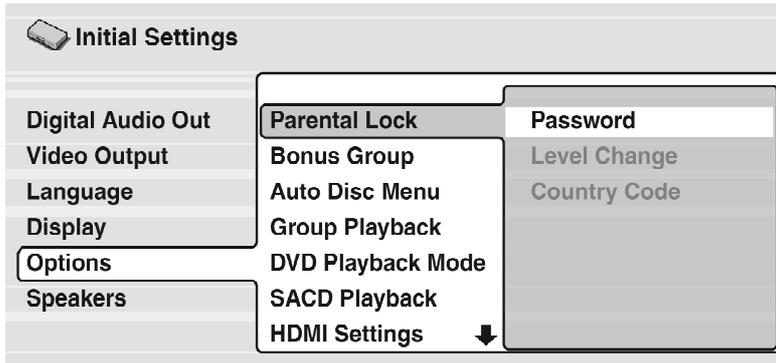
- Not all discs that you may consider inappropriate for your children use the Parental Lock feature. These discs will always play without requiring the password first.

- If you forgot your password, you'll need to reset the VIP G2 to its factory settings (refer to section "Resetting the player" on page 115), then register a new password.

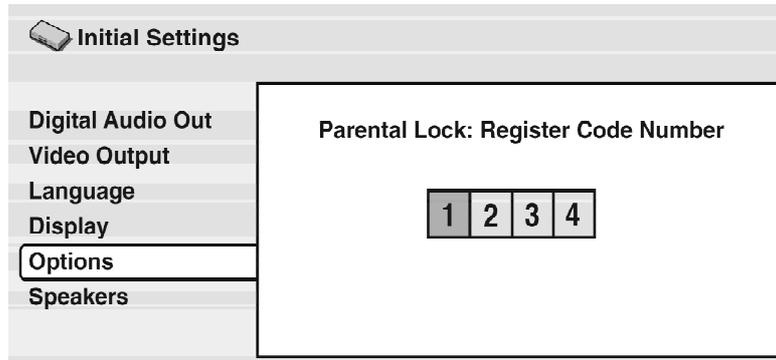
13.6.2 Registering a new password

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.



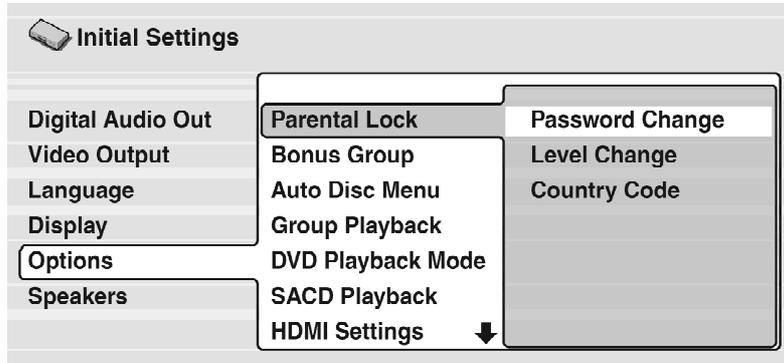
3. Press **Ent.** or **[OK]** to register the password and return to the **[Options]** menu screen.

If you forget you're your password, you can reset the VIP G2 then register a new one. Refer to section "Resetting the player" on page 115 for how to reset the VIP G2.

13.6.3 Changing your password

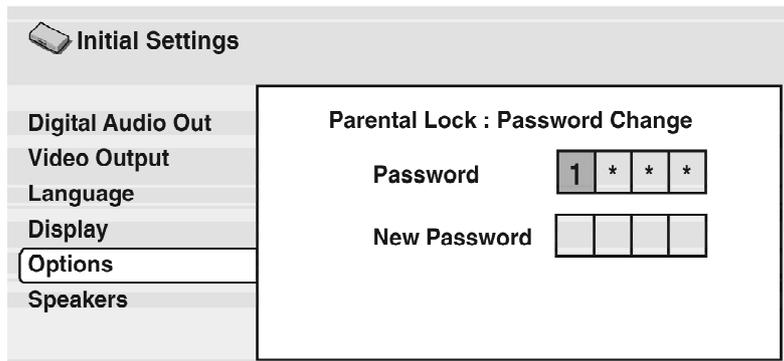
To change your password, confirm your existing password then enter a new one.

1. Select [Password Change].

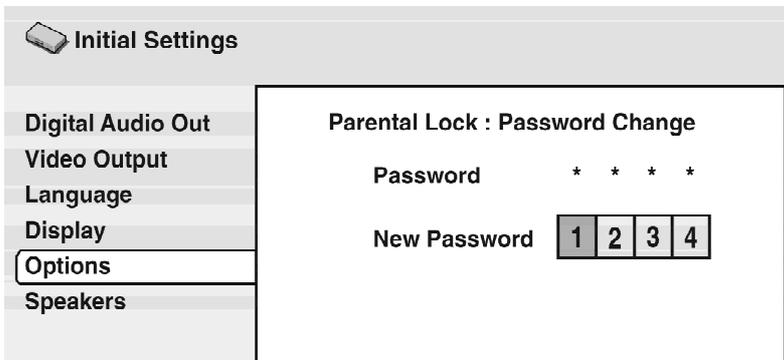


2. Use the number keys to enter your existing password, then press **Ent.** or .

The numbers appear as asterisks as you enter them.



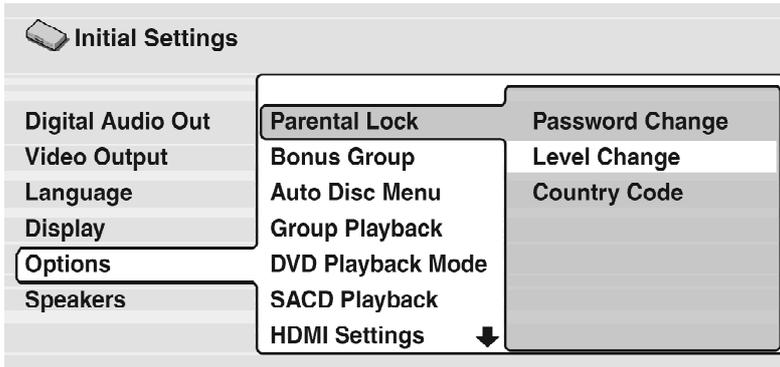
3. Enter a new password.



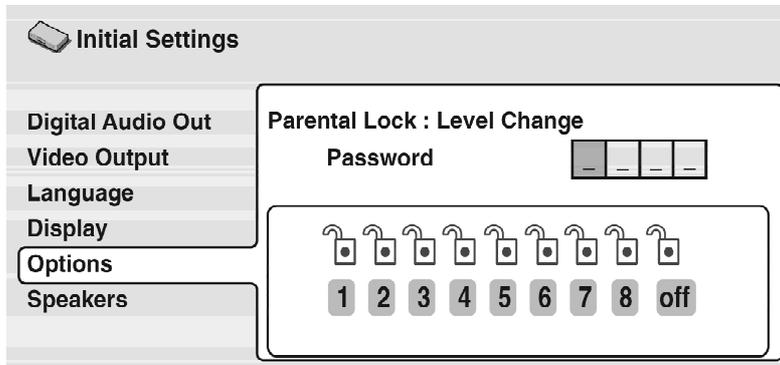
4. Press **Ent.** or  to register the new password and return to the [Options] menu screen.

13.6.4 Setting/changing the Parental Lock level

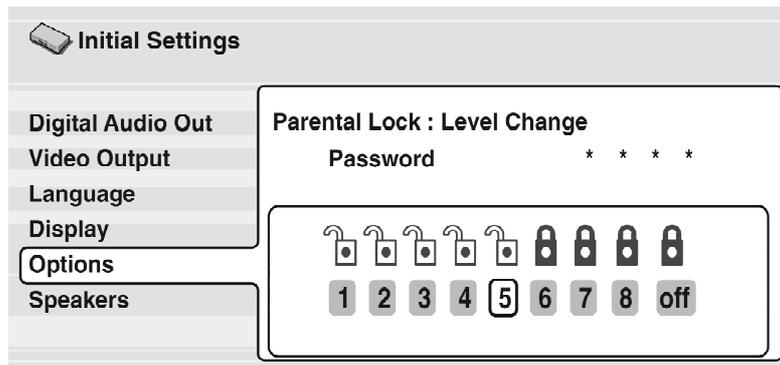
1. Select [Level Change].



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



3. Select a new level.



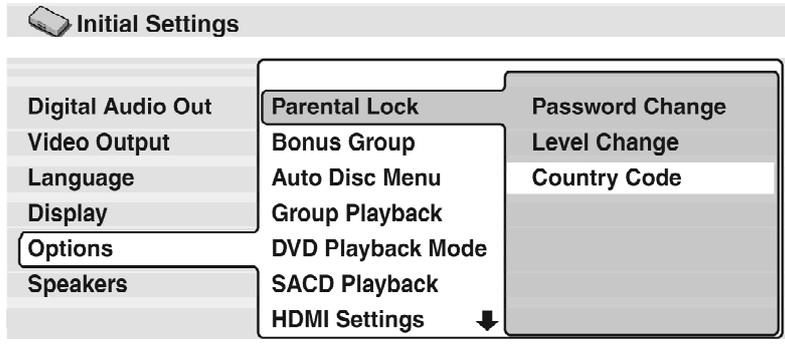
Use the key **◀VOL-** to move the cursor left to lock more levels (more discs will require the password); use key **VOL▶** to move cursor right to unlock levels. You can't lock level 1.

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

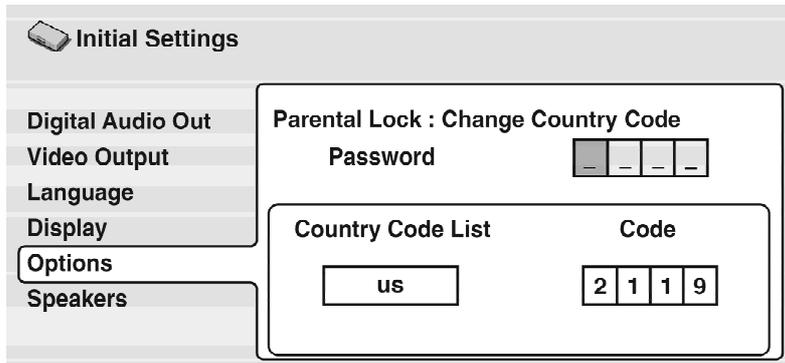
13.6.5 Setting/changing the Country Code

You may also want to refer to the "Country Code list" on page 117.

1. Select [Country Code].



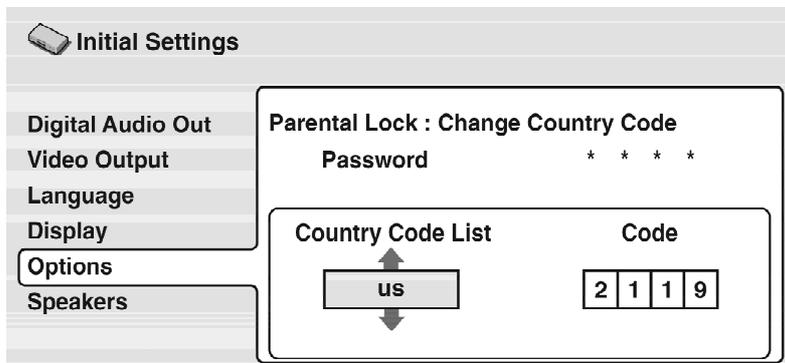
2. Use number keys to enter your password, then press **Ent.** or .



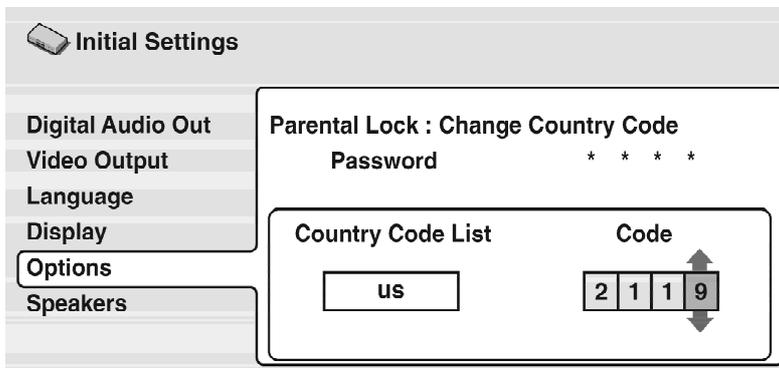
3. Select a Country Code.

There are two ways you can do this:

- Select by code letter: Use the keys   to change the Country Code.



- Select by code number: Use the 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 117).



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

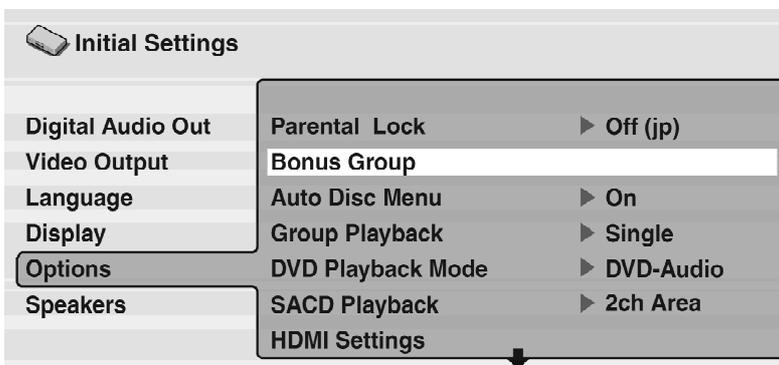


Note

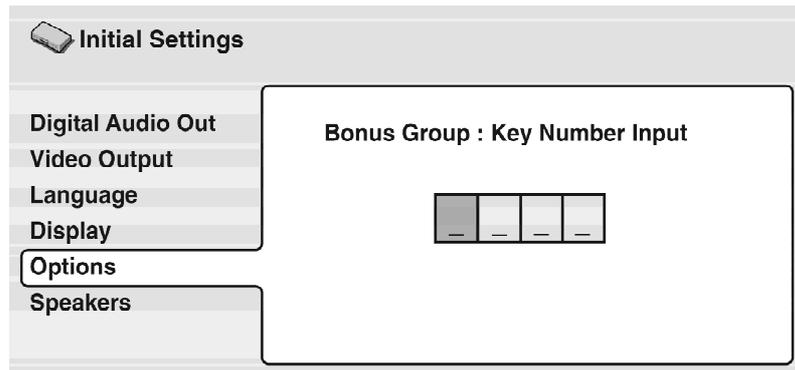
- Changing the Country Code does not take effect until the next disc is loaded (or the current disc is reloaded).

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.

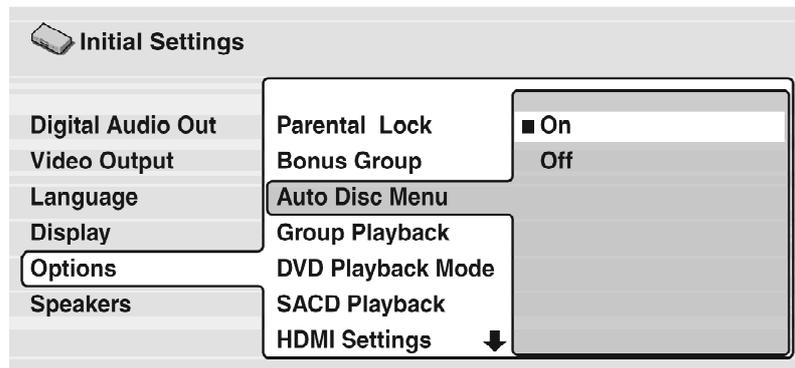


Note

- If you eject the disc, switch the power off, or unplug the VIP G2, 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.

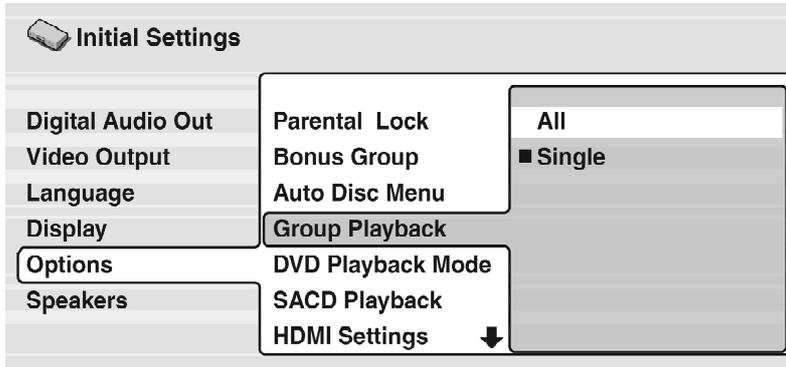


Note

- Some DVD discs display a menu automatically regardless of this setting. If you press ► 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.

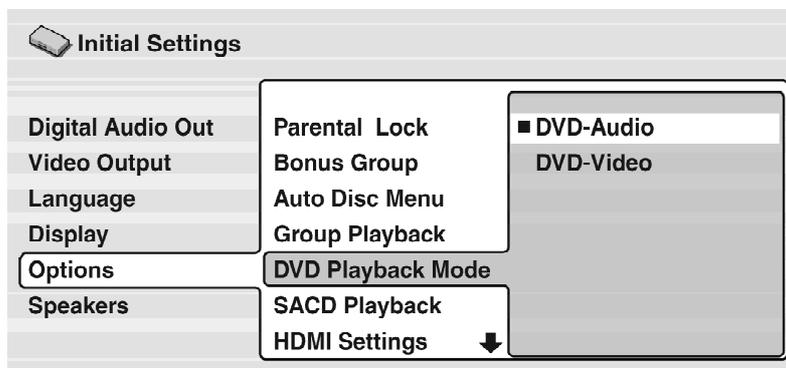


Note

- Even if the VIP G2 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. 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.

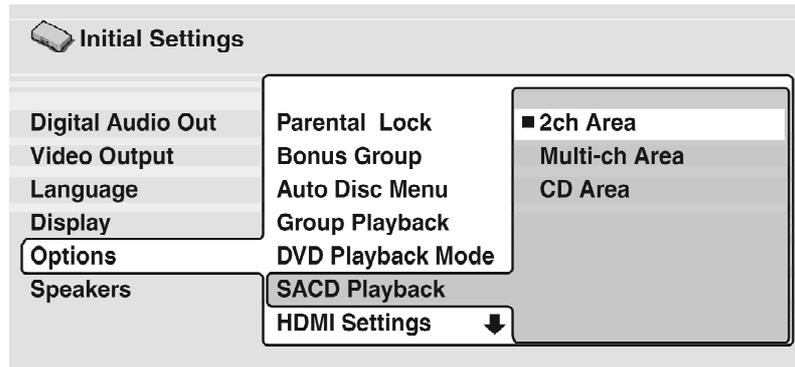


Note

- This setting reverts to **[DVD-Audio]** (default) when the disc drawer is opened, or the VIP G2 is switched into standby.

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.

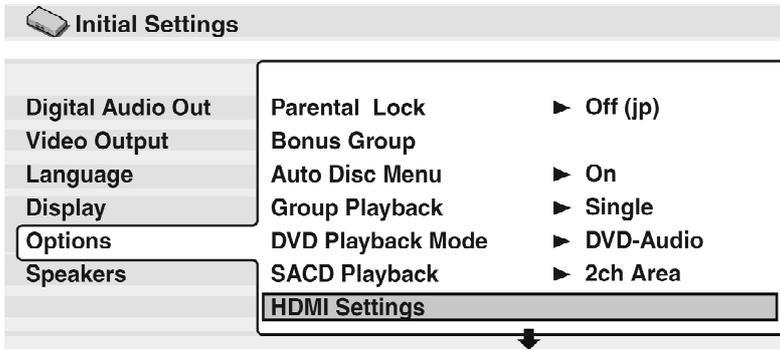


Note

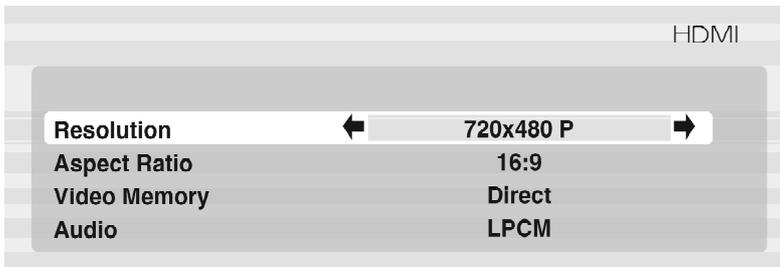
- For multi-channel audio from the 5.1 channel analog outputs, **SACD Playback** must be set to **[Multi-ch Area]**.
- If you select a area that isn't on the disc loaded, a different area of the disc will play. For example, if you choose standard CD audio but the disc loaded is not a hybrid SACD, the stereo SACD audio will play.

13.6.11 HDMI Settings

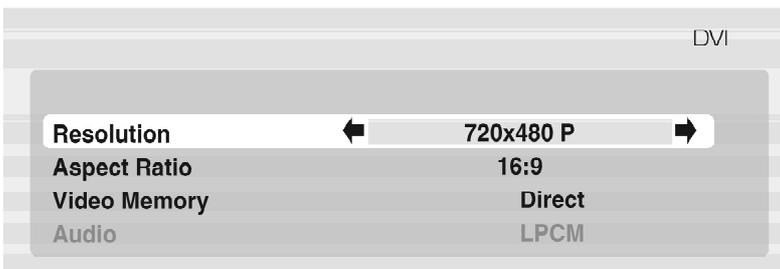
You only need to make this setting if you connected the VIP G2 to an HDMI-compatible component using the HDMI connector.



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 keys   to select a setting.
- Use keys   to adjust the current setting.
- After you've finished, press **Ent.** or  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).

- **720 x 480 P (NTSC) / 720 x 576 P (PAL)** – 720 x 480/576 pixel progressive-scan video.



Note

- When the resolution is changed, a confirmation message appears on the screen. Press **Ent.** or  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 114.

- **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.

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..
- **Memory1–3** – 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 **[LPCM]**, otherwise set to **[Auto]**.

- **LPCM** – All audio signals are downmixed to linear PSM (2-channel).
- **Auto** – Dolby Digital, DTS and MPEG sources are processed according to how they were encoded, and linear PCM sources are heard with no processing.

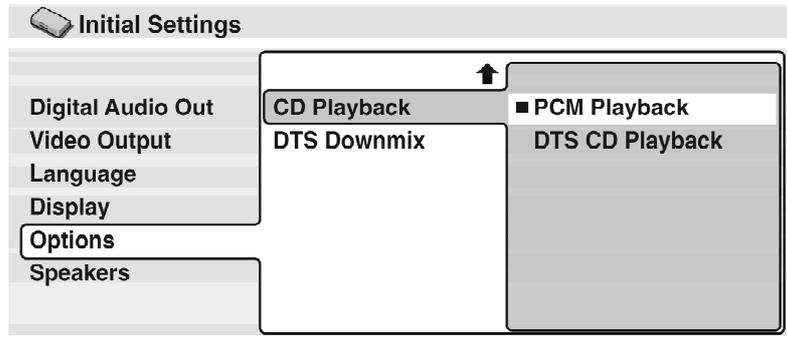


Note

- 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 downmixed to linear PCM as above.
- It is not possible to output SACD, or copy-controlled DVD-Audio CPPM sources from the HDMI connection.
- 96 kHz/192 kHz sources are downsampled to 48 kHz, and 88.2 kHz/176.4 kHz sources are downsampled to 44.1 kHz.

13.6.12 CD Playback

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

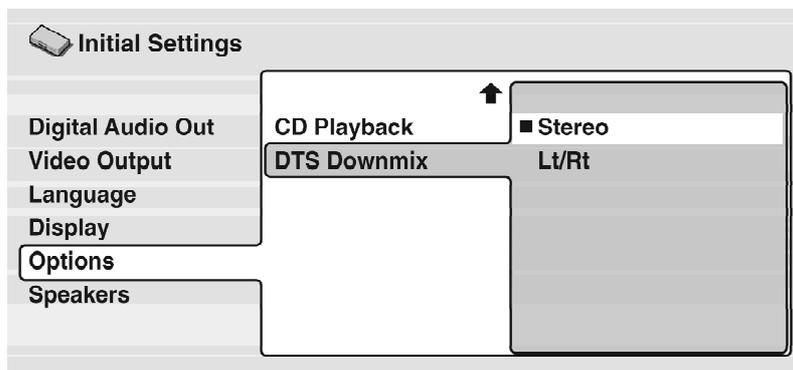


When set to **[PCM Playback]**, playback is optimized for standard audio CDs. You can also play DTS CDs, however you may notice some noise when a DTS CD starts playing. This is no malfunction.

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

13.6.13 DTS Downmix

- Default setting: **[Stereo]**



If you've selected **[DTS > PCM]** in "DTS Out" on page 81, or **[2 Channel]** in "Audio Output Mode" on page 106, 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.



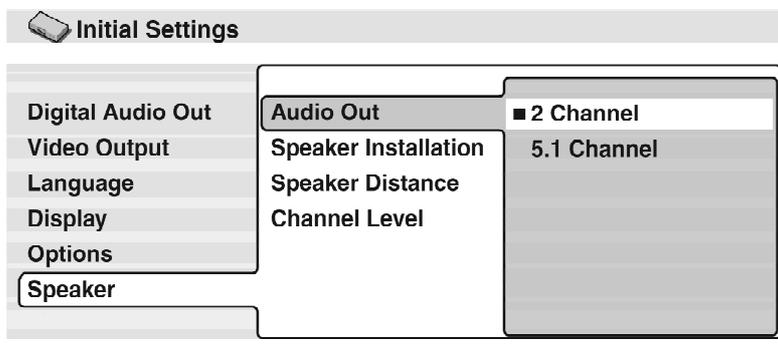
Note

- If you've selected **[DTS > PCM]** in "DTS Out" on page 81 and **[5.1 Channel]** in "Audio Output Mode" on page 106, **DTS Downmix** setting will automatically be set to **[Stereo]**.

13.7 Speakers

13.7.1 Audio Output Mode

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



If you connected the VIP G2 to an AV receiver using the 5.1 channel analog outputs, set this to **[5.1 Channel]**. This will enable you to enjoy multi-channel sound.

If you connected only the stereo analog outputs, set to **[2 Channel]**. On this setting multi-channel audio is downmixed to 2 channels for stereo analog output.



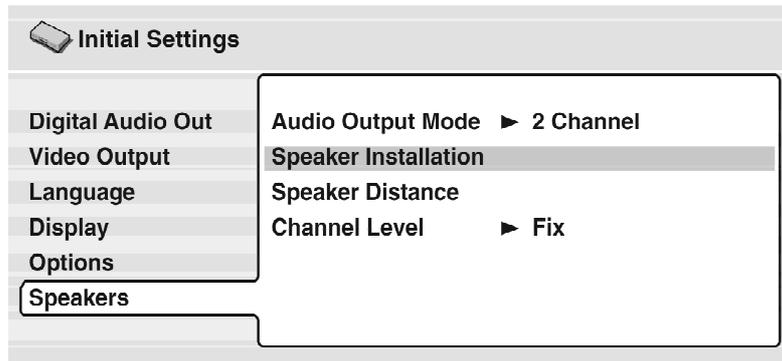
Note

- When set to **[5.1 Channel]**, you'll only get sound from all speakers when playing multi-channel discs.
- When set to **[5.1 Channel]** there is no HDMI output when playing DVD-Audio discs.
- 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

- Settings in in Setup-Navigator; Default setting: **[L/R: Large]**
[C: Large]
[LS/RS: Large]
[SW: On]

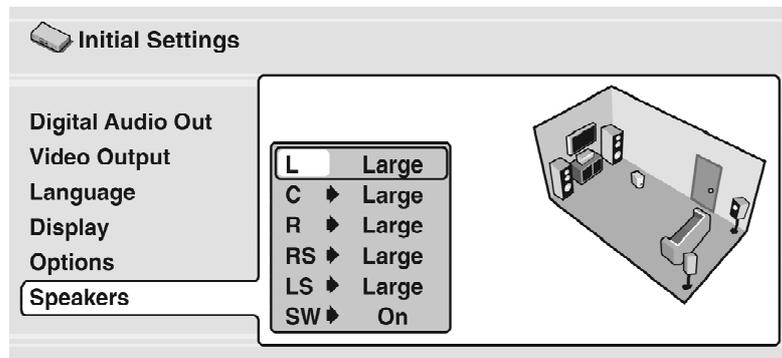
You only need to make this setting if you connected the VIP G2 to your amplifier using the 5.1 channel analog outputs. Otherwise this setting affects the data on the digital outputs.



Use the **[Speaker Installation]** screen to tell the VIP G2 what kinds of speakers you have connected.

1. Use the keys 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 keys 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).

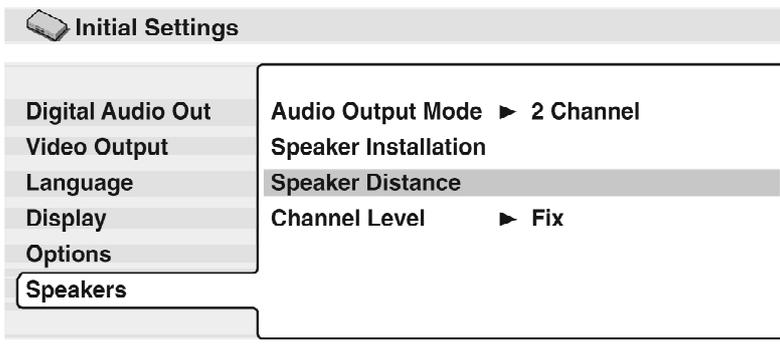
- If you set the front **L** and **R** speakers to **[Small]**, the center and surround speakers are automatically set to **[Small]** and the subwoofer to **[On]**.
 - The subwoofer can only be set to **[On]** or **[Off]**.
4. Move the cursor left to go back to the speaker list if you want to modify another speaker, or press **Ent.** or **⏏** to exit the **[Speaker Installation]** screen.

13.7.3 Speaker Distance

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

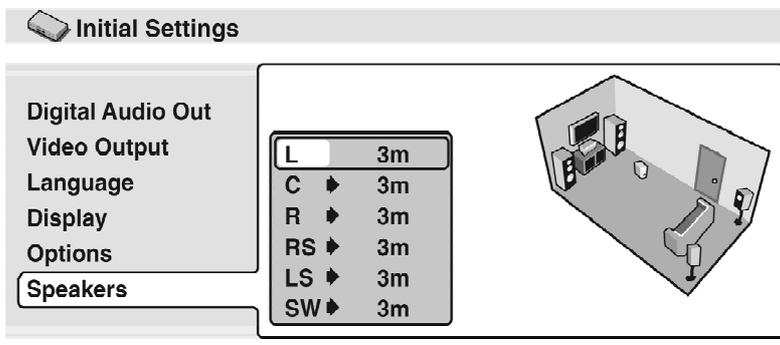
You only need to make this setting if you connected the VIP G2 to your amplifier using the 5.1 channel analog outputs. Otherwise this setting affects the data on the digital outputs.

To get the best surround 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 keys 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 **Ent.** or to exit the **[Speaker distance]** screen.



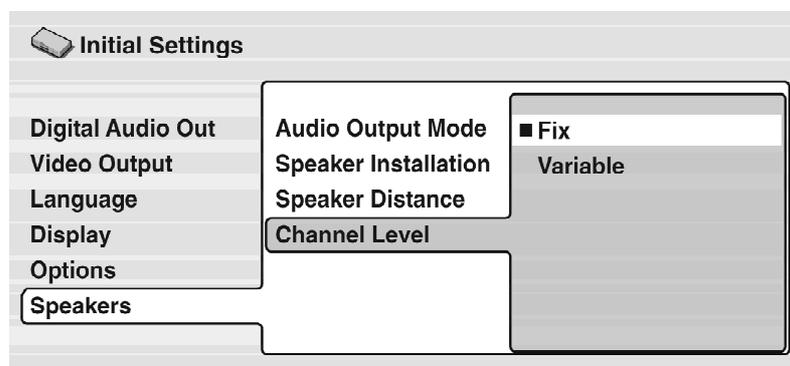
Note

- Speaker distance settings do not affect SACD playback.

13.7.4 Channel Level

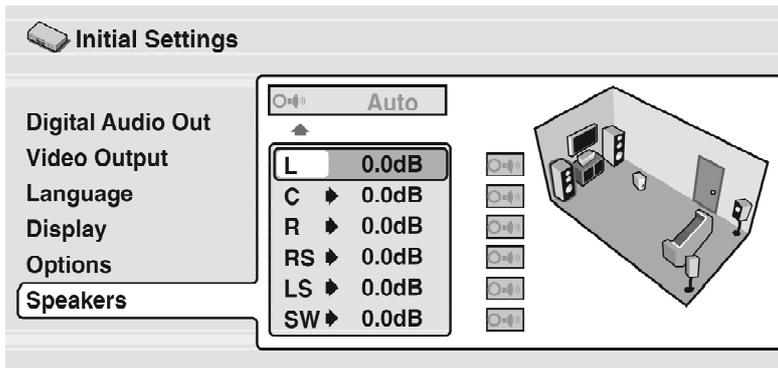
- Default setting: **[Fix]**

You only need to make this setting if you connected the VIP G2 to your amplifier using the 5.1 channel analog outputs. Otherwise this setting affects the data on the digital outputs.



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

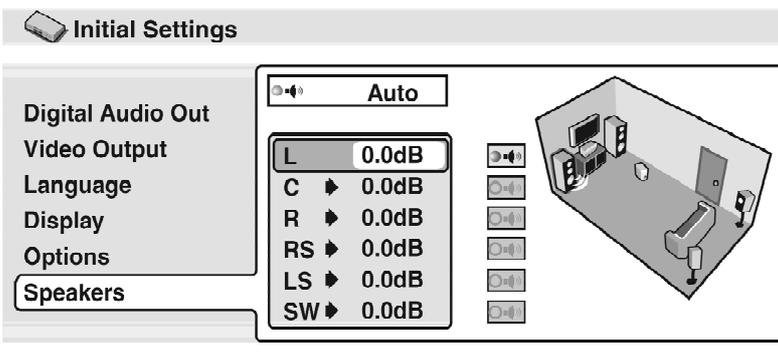
Choose **[Variable]** if you want to adjust the relative levels to balance the surround sound better for your listening room.



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.

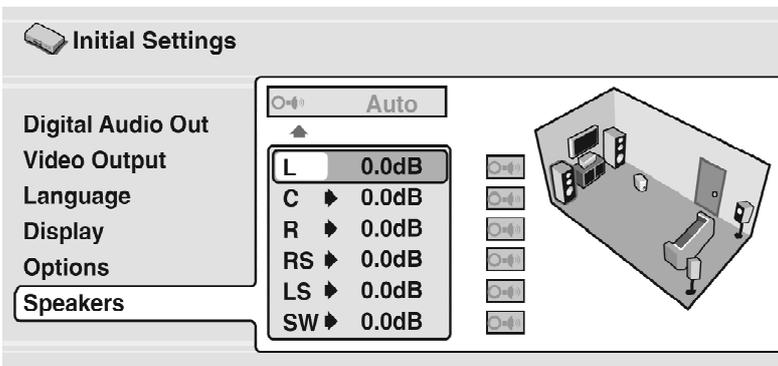
Note that **[Audio Output Mode]** (refer to page 106) must be set to **[5.1 Channel]** in order to use the test tone.

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

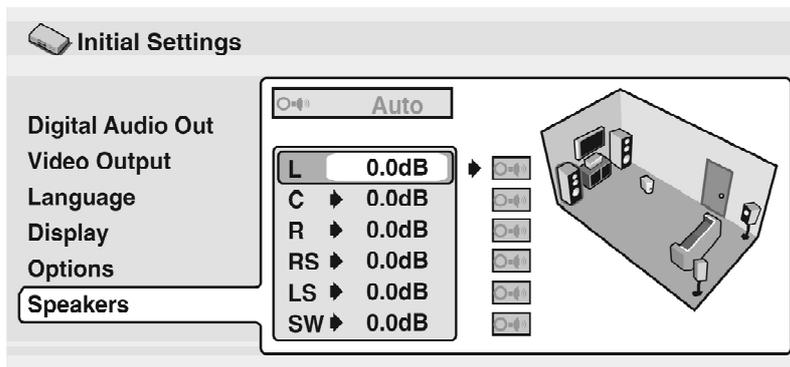


As the test tone plays through each speaker in turn, it is highlighted on-screen. Use the keys **[CH+]** **[CH-]** to adjust the channel output level of the current speaker. Move the cursor left to exit the test tone sequence, or press **[Ent.]** or **[OK]** to save the settings and exit the **[Channel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

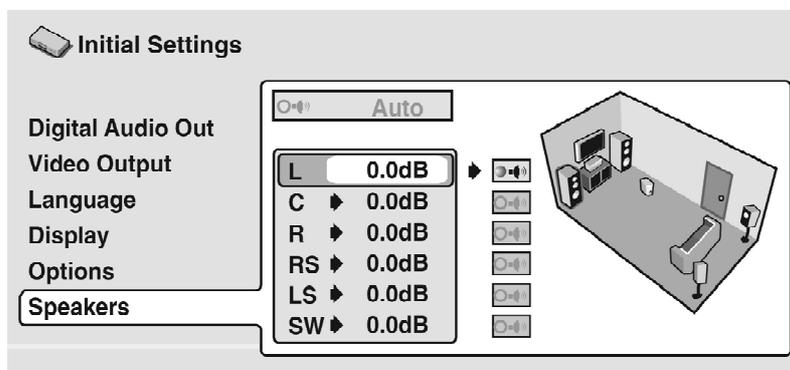
Manual: Use keys **[CH+]** **[CH-]** to move the cursor up/down to select a speaker.



Move the cursor right (or press **Ent.** or ) then use the keys   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 **Ent.** or  with the channel level field highlighted (as shown above).



Note

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

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 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 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 upright. Avoid leaving discs in excessively cold, humid, or hot environments (including under direct sunlight).

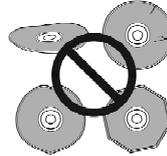
Don't glue paper or put stickers onto the disc, or use a pencil, ball-point pen or other sharp tipped writing instrument. These could all damage the disc.



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 G2 - you could end up damaging it.



The VIP G2 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 standby 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 G2 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 stereo 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 G2, first press the **power** key on the front panel or  on the remote control to turn off the VIP G2. 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 (page 83) of the VIP G2 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.

14.2.2 Standard TV users

If you have a standard TV, the **TV Screen** setting (page 83) of the VIP G2 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 G2 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 G2 to the factory defaults:

1. **Switch the VIP G2 into standby and close cover.**
2. **Press and hold down front panel key stop and press power to switch the VIP G2 back on.**

All the settings of the VIP G2 are now reset and you should see the "Let's Get Started" screen. 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 G2*" and "*Recommended setup for 2-channel analog usage*" starting on page . Restore the settings listed in these sections manually depending on your application.

14.4 About the audio output settings

The table below shows how you make the audio settings in the **Digital Audio Out** and **Audio Output Mode** screens (refer to "*Digital Audio Out settings*" on page 81 und "*Audio Output Mode*" on page 106).

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

- *1 When **Audio Output Mode** is set to **[2 Channel]**, the **Analog LEFT** 21 and **RIGHT** 24 jacks act as stereo audio outputs (refer to "Back panel" on page 13).
- *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 as the **Audio Output Mode** setting (refer to "Audio Output Mode" on page 106).
- *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 the audio settings you make in the **HDMI** and **Audio Output Mode** screens (refer to sections "HDMI Settings" on page 102 and "Audio Output Mode" on page 106).

Disc audio format		HDMI Audio Setting	
		LPCM	Auto
DVD	Dolby Digital ^{*1}	2 ch downmix	Dolby Digital ^{*2}
	Dolby Digital (Karaoke)	Left / Right	Dolby Digital ^{*2}
	Linear-PCM ^{*1}	Left / Right	Left / Right
	DTS	2 ch downmix	DTS ^{*2}
	MPEG ^{*1}	Left / Right	MPEG ^{*2}
	DVD-Audio (with CPPM)	No sound ^{*3}	
	DVD-Audio (without CPPM)	2 ch downmix ^{*4}	
CD / MP3		Left / Right	
DTS-CD		DTS	
Video-CD		Left / Right	
SACD Playback			
		2 ch Area	Multi-ch Area
		CD Area	
Super Audio-CD		— ^{*5}	Left / Right ^{*6}

*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 It is not possible to output DVD-Audio sources from the HDMI connection if they are copy-controlled using CPPM.

*4 Multi-channel discs that prohibit downmixing will not be output even if [2 Channel] is selected as the **Audio Output Mode** setting (refer to "Audio Output Mode" on page 106).

*5 It is not possible to listen to SACDs using the HDMI connection.

*6 Only applicable to discs that have a CD area.

14.6 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			

14.7 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	Samoaan	(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	Faroese	(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	(m)	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

14.8 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 118.

1. Select **[Other Language]**.
2. Use keys  to select either a code letter or a code number.
3. Use keys  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 118 for a complete list of languages and codes.

14.9 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*.

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*.



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.



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.

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.

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. This unit 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*" on page 120 and "*About progressive scan video*" on page 16.

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. You can find the region code of your unit by looking on the rear panel. 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*.

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.

14.10 Troubleshooting

Incorrect operation is 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.

14.10.1 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 112). • 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 26). • Condensation inside the VIP G2: 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 or .
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 114 for proper shutdown instructions.

14.10.2 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 G2, 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  at the back panel is in position off. If so, activate the video outputs by flipping switch  into position on (refer to section "Back panel" on page 13 und "Video outputs" on page 128). • 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 "About progressive scan video" on page 16).
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 "TV Screen" on page 83 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 "S-Video Out" on page 86).
Picture disturbance during playback or dark.	<ul style="list-style-type: none"> • The VIP G2 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 G2, 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 "Setting the TV system" on page 30.
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 "Taking care of your player and discs" on page 112). • 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 G2 is not connected to the amplifier's phono (turntable) inputs. • Check your amplifier/receiver's settings (volume, input function, speaker settings, etc.).
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 <input type="checkbox"/> on the back panel is in position H bit or L bit (refer to "Digital audio outputs" on page 132). • Check if the HighBit/LowBit settings are correct depending on the device your VIP G2 is connected to. • Check that the Dolby Digital, DTS and MPEG Out settings (refer to "Digital Audio Out settings" on page 81) are suitable for your amplifier/receiver – check the user's manual that came with your amplifier/receiver.
Noticeable difference in DVD 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 "Audio Output Mode" on page 106). • Check that the Dolby Digital, DTS and MPEG Out settings (refer to "Digital Audio Out settings" 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" on page 107 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 G2 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 "Digital audio outputs" on page 132). • Make sure the component the VIP G2 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 G2 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, noise will be output when you play a DTS disc.

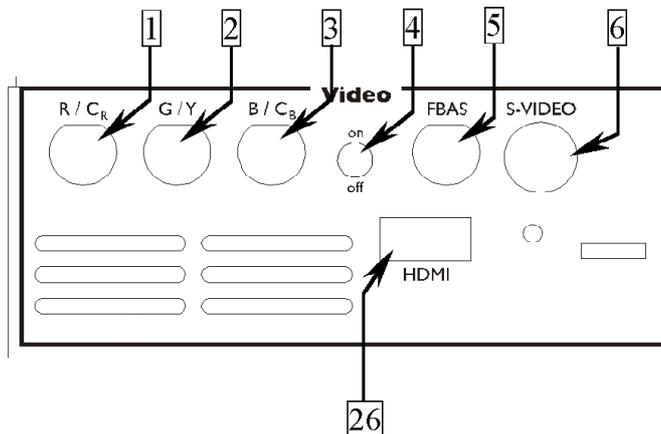
	<ul style="list-style-type: none"> • If the VIP G2 is connected to a DTS compatible amplifier or decoder using a digital audio cable, check the amplifier settings, and that the cable is properly connected.
Audio mix does not sound right or sounds incomplete (for example, inaudible dialog).	<ul style="list-style-type: 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 106).
Disc containing MP3 tracks won't play.	<ul style="list-style-type: none"> • The VIP G2 is compatible with multisession discs, but only play 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 27).
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 Analog LEFT [21] and RIGHT [24] audio outputs (refer to "<i>Back panel</i>" on page 13). • Make sure that Audio Output Mode is set to 2 Channel (refer to "<i>Audio Output Mode</i>" on page 106). • 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.

14.10.3 HDMI troubleshooting

Problem	Remedy
No HDMI audio output.	<ul style="list-style-type: none"> • The VIP G2 has been designed to be compliant with HDMI (High Definition Multimedia Interface) Version 1.0. Depending on the component you have connected, unreliable signal transfers may result. • You won't hear any sound from the HDMI output if the source component is only DVI/HDCP-compatible. • It is not possible to output SACD or copy-controlled DVD –Audio CPPM sources from the HDMI connection. • Make sure that you'd selected the VIP G2 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'd selected the VIP G2 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 or copy-controlled DVD –Audio CPPM 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). • Make sure that the resolution on the VIP G2 matches that of the component you have connected using HDMI (refer to "HDMI Settings" on page 102 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 "HDMI Settings" on page 102 to change the audio setting). • You can't hear multi-channel DVD-Audio using the HDMI interface. The signal will automatically be downmixed to stereo.
A connected DVI component (with HDCP) doesn't work with the VIP G2.	<ul style="list-style-type: none"> • The VIP G2 has been designed to be compliant with HDMI (High Definition Multimedia Interface) Version 1.0. Depending on the component you have connected, using a DVI connection may result in unreliable signal transfers.

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 G2 to a component (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 G2 to a component (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 G2 to a component (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).

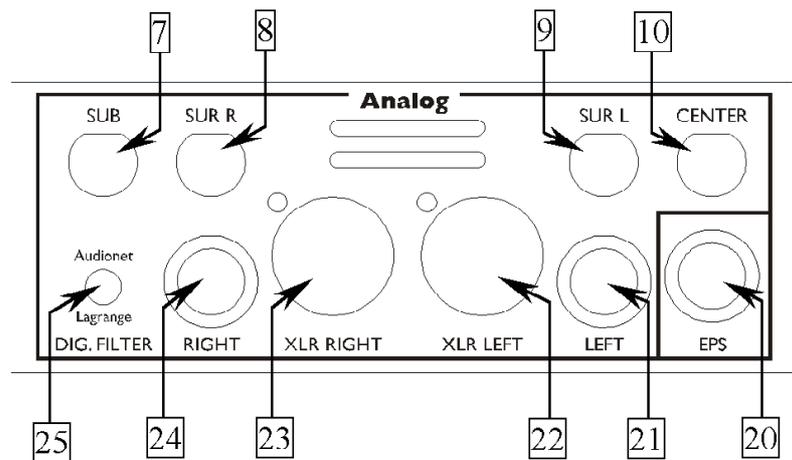


Note

Consult sections "Component Out" and "AV Connector Out" on page 84f 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 or CVBS format. Connect a TV or monitor compatible to the composite (CBS) video format here.
- 6 Video output S-video (Y/C)**
Video output **6** provides the video signal in Y/C (S-video) format. Before you connect a component (like TV, monitor, projector, VCR etc.) to this output, make sure the device is compatible to the Y/C (S-video) format.
- 26 Digital video output (HDMI)**
Connect a component (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 137 and "HDMI Settings" on page 102.

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

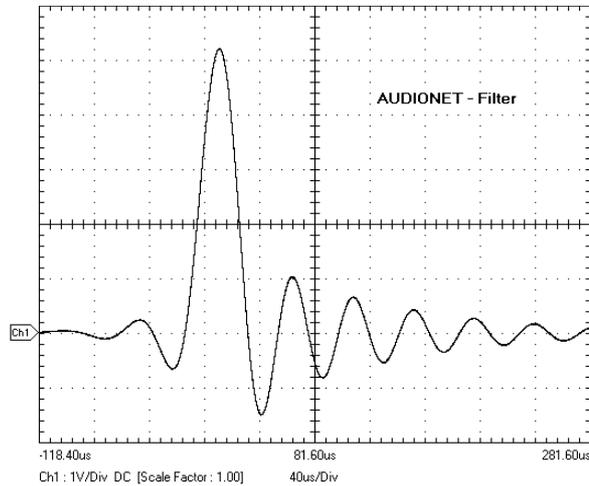
The availability of signals depends on settings preferences (refer to section "Speakers" on page 106) and the multi-channel audio format on the disc playing.

- 20 Connector Audionet EPS**
Connector for the optional external power supply AUDIONET EPS. The EPS provides the analog power supply of the VIP G2. Make connection between EPS and VIP G2 only if both units are switched off completely Refer to section "Connecting the external power supply EPS" on page 143 and the user's manual of the EPS.

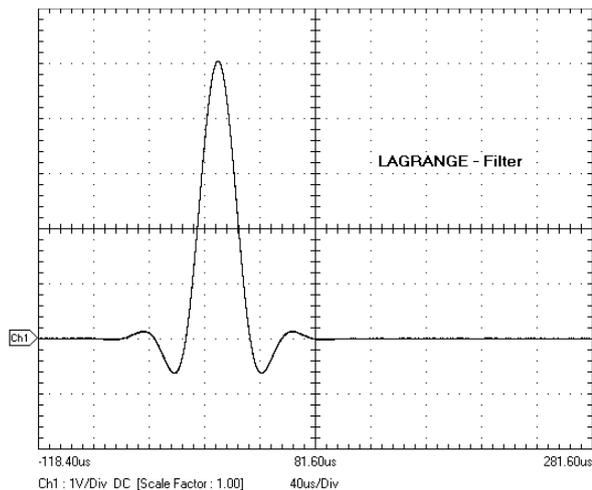
- 24 Selector digital filter**
The digital-to-analog converter of the front channels of the VIP G2 is equipped with a digital signal processor (DSP) calculating the oversampling filter. You can select between the two different digital filter algorithms "Audionet" and "Lagrange" using switch 25. Refer to section "Digital filter" on page 131 for details.

15.2.1 Digital filter

Despite good amplitude and phase linearity up to 20 kHz, in position **Audionet** of switch **25** on the back panel the digital filter has only short pre-ringing and moderate after-ringing.



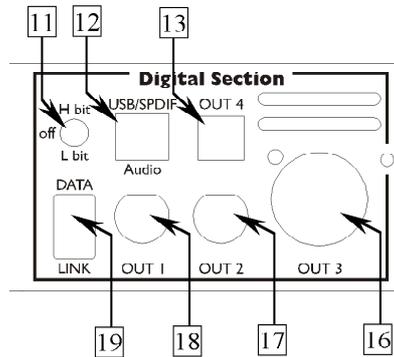
While in position **Lagrange** the digital filter has a symmetrical impulse response with very short pre- and after-ringing. But the amplitude response shows a small decay in high frequencies above 16 kHz.



Tip

- We recommend using the digital filter setting according to your listening preferences.

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 133 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 computer to the VIP G2 for playback of music and sound files using the sophisticated D/A-converters of the front channels. The VIP G2 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 G2.

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 139).

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**.

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

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

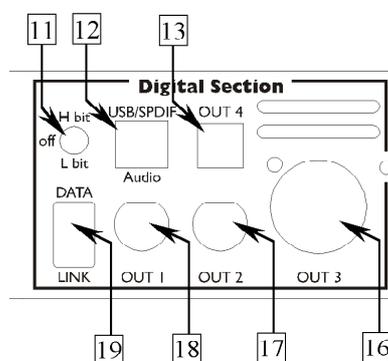
The digital audio output **DATA LINK** is only for connecting the VIP G2 to an Audionet pre amplifier with a **DATA LINK** input (for example, Audionet MAP 1). The digital output signal depends on the position of switch **[11]**.



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 133.

15.4 Digital output formats



In order to use digital audio outputs **OUT 1** to **4** and **DATA LINK** of your VIP G2, switch **[11]** on the back panel has to be either in position **H bit** or **L bit**. In position **L bit** the VIP G2 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 G2 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 G2 is connected to.

15.4.1 LowBit mode

Use the LowBit mode to connect your VIP G2 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	Digital Out 3	Digital Out 4
	Digital Out 1 SPDIF 17	SPDIF 15	AES/EBU 16	SPDIF 13
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)*			
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)*			
176.4/192kHz / 24bit Stereo DVD-A	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	44.1kHz / 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 G2 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 G2 to an Audionet pre amplifier, you have to connect digital audio output **OUT 1** 17 of the VIP G2 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 G2 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 G2 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 G2 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 G2. 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 G2, 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		NO OUTPUT	44.1kHz / 16bit Stereo PCM
48kHz / 24bit Stereo PCM / DVD-A	48kHz / 24bit Stereo PCM	48kHz / 24bit Stereo PCM	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 G2 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

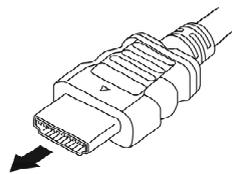
HDMI*¹ (High Definition Multimedia Interface) supports both video and audio on a single digital connection for use with DVD players, DTV, set-top boxes, and other AV devices. HDMI was developed to provide the technologies of High Bandwidth Digital Content Protection (HDCP) as well as Digital Visual Interface (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 G2 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 interconnect on the VIP G2 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** on the VIP G2.



When you first switch on the VIP G2, 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 102.

*¹ Bei "HDMI", dem HDMI-Logo und "High Definition Multimedia Interface" handelt es sich um Warenzeichen bzw. eingetragene Warenzeichen von 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 G2 has been designed to be compliant with HDMI (High Definition Multimedia Interface) Version 1.0. Depending on the component you have connected, using 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 102 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 44.1/48 kHz, 16/20/24 bit 2 channel linear PCM signals, as well as Dolby Digital, DTS and MPEG audio bit-stream.
- It is not possible to output SACD or copycontrolled DVD-Audio CPPM sources from the HDMI connection.

15.6 USB/SPDIF digital audio input

15.6.1 Connecting the computer the USB-Audio input

With the USB Audio interface you can playback music and sound files from your computer (PC) using the sophisticated digital-to-analog converters of the VIP G2 instead of the soundcard of the PC. The VIP G2 is integrated you're your computer system as USB Audio device. The installation is done (mostly) automatically via Plug'n'Play, provided a correctly installed operating system.



Note

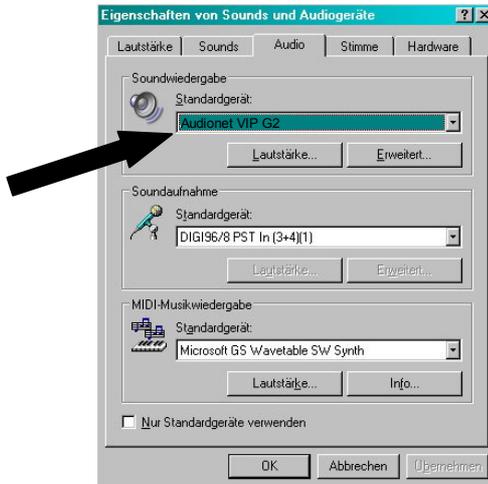
- To use the USB Audio functions of the VIP G2, your computer requires to have Microsoft™ Windows™ 98SE, Windows ME™, Windows 2000 Professional or Windows XP™ Home/Professional with the latest USB Audio drivers installed. For further information about the minimum system requirements please refer to the 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 G2.**

The VIP G2 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 G2 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 G2 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 G2 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 G2" 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 G2.



Note

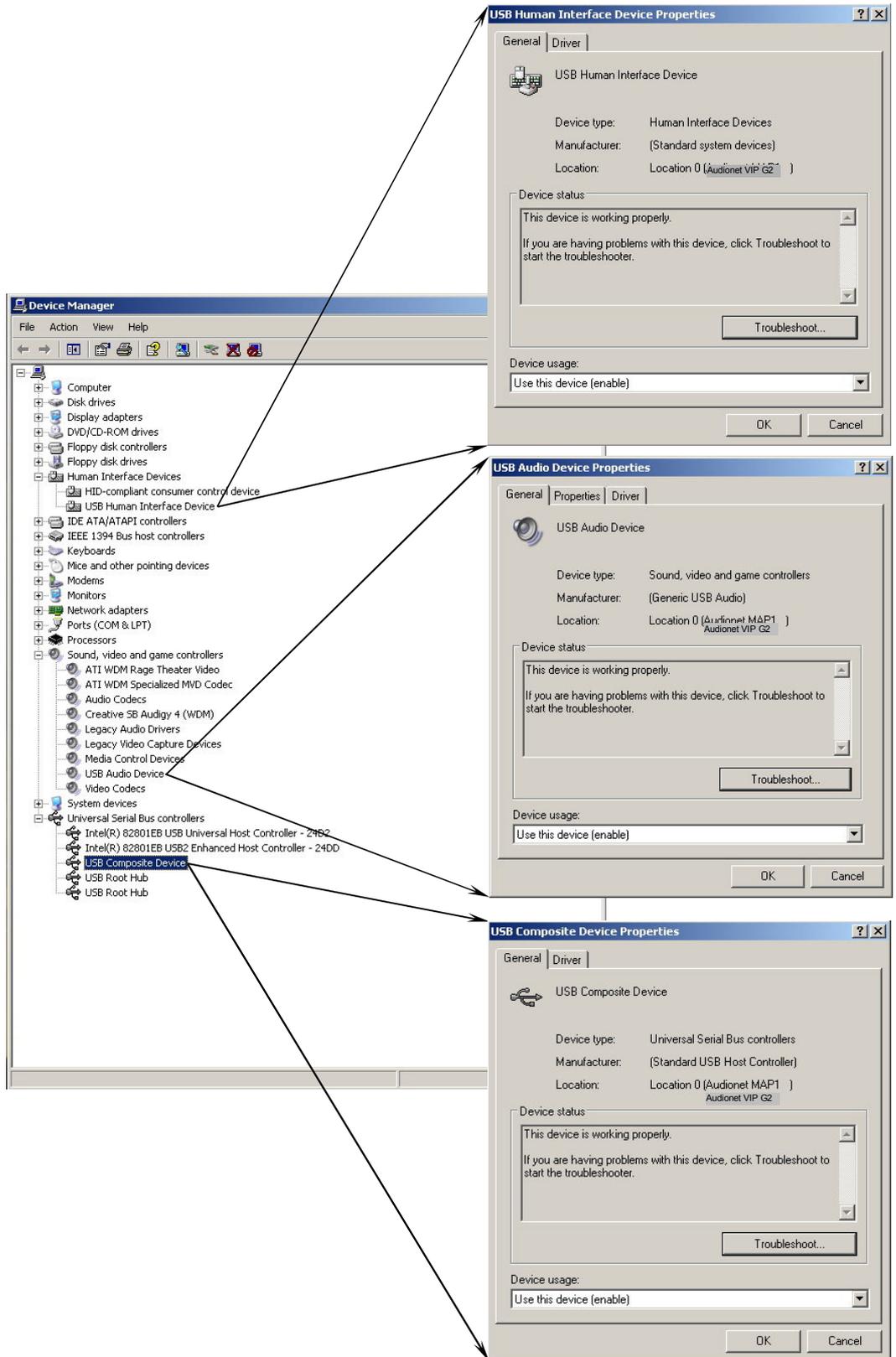
- Microsoft Windows converts every input format automatically into a stereo PCM signal with 44.1 or 48 kHz sampling frequency and 16 bits resolution. Which audio formats are played back depends on the capabilities of your Microsoft Windows system and/or your sound application only!
- All volume and balance 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 G2, 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 G2 correctly, please open up the Device Manager of your Windows system. You will find the VIP G2 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:

15.6.2 Example overview Device Manager





Important

- The USB Audio function of the VIP G2 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 G2 you will hear **only** the audio from the disc. There will be **no** signal from the USB Audio interface.

15.6.3 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 G2 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 G2, then switch on the source device, and start the 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 G2.



Note

- The VIP G2 supports the formats: PCM Stereo, sample rate 32 kHz up to 96kHz, 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 G2 must be stopped, or not disc at all must be loaded.
- During playback discs VIP G2 you can listen to their audio signal only. There will be no signal form the SPDIF input.



Note

Pin layout of SPDIF input



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

15.7 Connecting the external power supply EPS

To use the optional external power supply EPS (External Power Supply) with your VIP G2 follow these steps:

1. Make sure both VIP G2 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 G2. 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 G2 **and** EPS to mains.
4. Switch on the EPS at the back panel first.
5. Use key power at the front plate or key  on the remote control to switch on the VIP G2. The VIP G2 is now ready to use and gets its power from the external power supply.
6. To switch off the VIP G2 into standby, use key power on the front panel or key  on the remote control.



Important

- Never switch on or off the EPS on the its back panel while the VIP G2 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 APC) to connect the EPS to mains. The sound will improve.

16 Factory default settings VIP G2

for multi-channel use

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
	→ 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	→ ...
	→ Channel Level	→ Fix

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
	→ 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



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 G2 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 12 bit video DACs, 16x oversampling, 216MHz
Audio bandwidth	max. 0- 90.000 Hz (-3 dB)
THD+N	Main channels: typ. 116 dB (A-weighted) @ -60 dBFS typ. 102 dB (A-weighted) @ 0 dBFS Effect channels: typ. 95 dB (A-weighted) @ -60 dBFS
SNR	116 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 Ohms, gold plated 1 AES/EBU, 110 Ohms, 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 Ohms real
Output voltage, analog	3.5 V _{eff}

Power consumption	2 W stand by, max. 50 W
Dimensions	Width 430 mm, Height 110 mm, Depth 360 mm Weight 22 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 - two user-selectable, sound-optimized oversampling filter - 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 - video output fully DC coupled, no capacitors in the signal path - progressive scan - HDMI output - disengageable video processing - adaptive touch screen remote control, replaces up to 64 remote controls - optional external power supply Audionet EPS for the analog section

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

AUDIONET is a trademark of Idektron GmbH & Co KG

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