

Audionet

CAT

Configurable Audio Tuner

User's Manual

V1.0

User's Manual

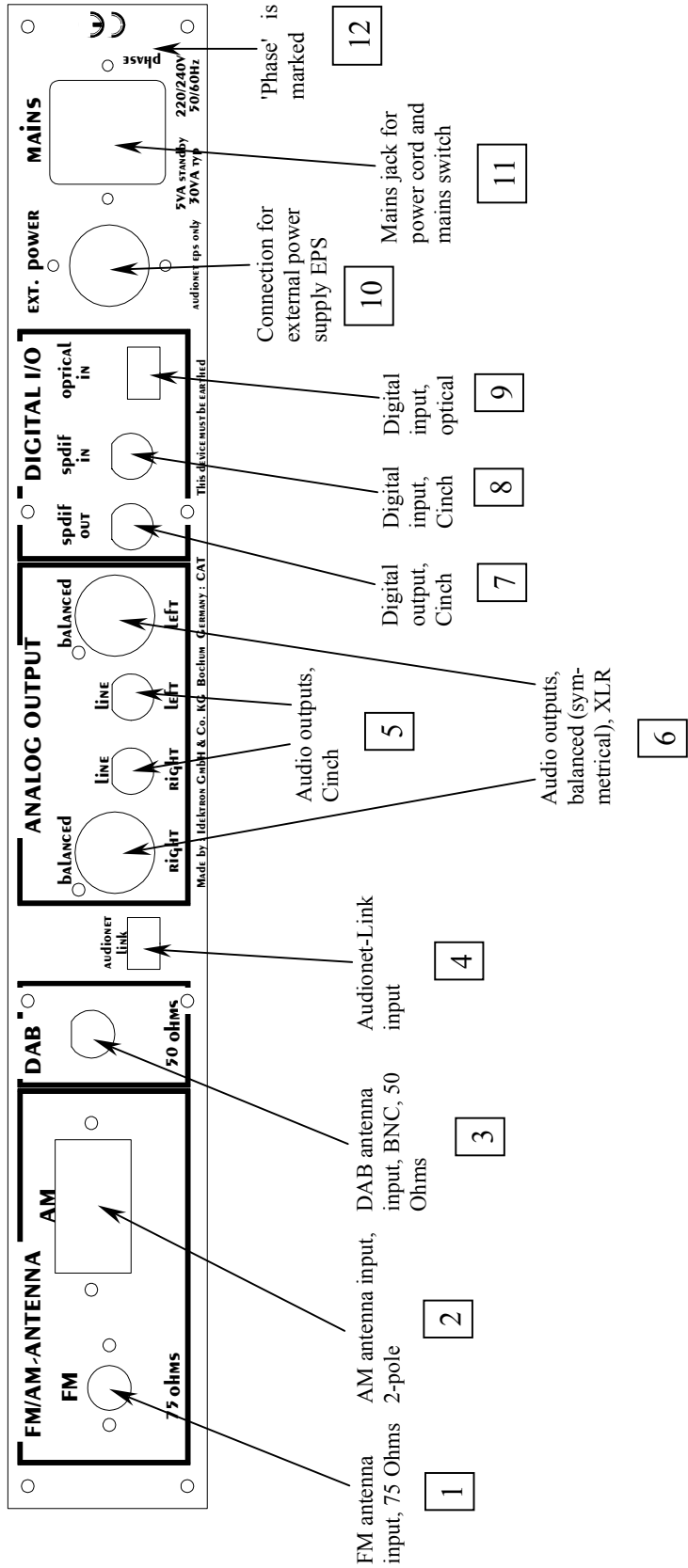
The Audionet Team congratulates you to your purchase of this excellent audio tuner. The CAT bridges the gap between the classic and the avant-garde. As an analog audio tuner, it receives the well-known broadcast programs in best quality. Additionally, it can be configured as a digital DAB tuner ('Digital Audio Broadcasting').

We strongly recommend to read the manual and precautions carefully first to be aware of all features your new Audionet CAT offers.

- Included** Included you will find the following:
- the Audionet Tuner CAT
 - the owner's manual (which you are reading now)
 - a standard mains cord

Transportation Please transport your 'CAT' only inside the provided package. Use the plastic bag to prevent scratches on the housing.

Overview of connections



Installation and power supply

Placement Place the tuner CAT onto a high-quality rack or stable desk. Please make sure that your Audionet CAT is installed at a place that is sufficiently ventilated to allow the heat to dissipate. The cooling slots must not be covered.

Mains connection The mains jack 11 is located at the rear panel of the CAT. Use the provided power cord to connect the tuner to the mains power supply. In case you would like to use a different power cord please make sure it meets the specifications of your country.

Warning:

The electrical specifications printed on the back panel of the CAT must meet the mains specifications of your country!

When connecting the power cord to the CAT make sure that the mains switch 11 is in off position. The CAT is a Class I unit and must be earthed. Please ensure a solid earth connection. Mains phase ('hot' pin) is marked at the back panel ('Phase') 12.

The CAT is a stand by unit. Use the mains switch 11 at the back panel to switch on the CAT. After a short time, the display reads 'Audionet' indicating that the unit is in stand by mode now.

Only in case of extended absence (like vacations) or if massive trouble on the mains power is to be expected you should disconnect the unit from mains. Switch off the CAT with the mains switch at the back panel 11. The display turns off.

Note:

Before switching off the CAT make sure that the (pre-) amplifier the CAT is connected to is switched off, too.

- Mains phase recognition** The correct polarizing of the mains is important for reasons of audio clarity and stability. The pin marked with 'Phase' [12] of the mains jack [11] has to be connected to the 'hot' pin of the wall outlet. Therefore, the Audionet CAT indicates a wrong polarisation of the mains lead. While powering up the CAT checks the mains polarisation. If you read 'Attention: Mains Phase incorrect!' switch off the CAT and then flip the plug in your wall outlet.
- External power supply EPS** Switch off the CAT and disconnect the unit from mains by pulling the power cord off the mains jack at the back panel. Use the provided cable to connect the optional external power supply EPS to the input jack [10] at the back panel of the CAT. Use the power cord provided with the CAT to connect the EPS to mains power. For further details please refer to the user's manual of EPS.
- Audionet Link** In connection with an Audionet pre amplifier like PRE1 G2, PRE G2 or MAP your CAT can be switched on or off by this unit. Please connect a Toslink glasfibre cable from the Audionet-Link output at your pre amplifier to the Audionet-Link input [20] at the back of the CAT.

Connections

- Antenna Inputs** At the back panel are 3 antenna inputs. Connect your FM antenna or cable to input jack FM **1**.
- To receive AM stations connect both ends of your AM antenna to the jacks of the AM input **2**.
- If your CAT has installed the DAB Module connect your DAB antenna to input jack **3**.
- Audio Outputs** Audio outputs are located at the rear. The music signal is available at the balanced outputs (Neutrik XLR) **6** and line outputs (WBT Cinch) **5**. Connect the audio outputs to the corresponding audio inputs of your (pre) amplifier.
- Digital Inputs** If your CAT is equipped with the DAB Module you can use the unit as a high-quality DA-converter. You can connect up to two digital sources to the CAT. There is one optical **9** and one coax (cinch) input **8**. Connect the digital inputs of your CAT to the corresponding outputs of your digital sources.
- Digital Outputs** The CAT has one digital output **7**. If the digital output is active, the current signal from selected digital input (DAC mode) or the current digital radio program (DAB mode) is routed to digital out. For further details, please see section 'SET DIGITAL OUT'. Connect digital out **7** to the digital input of your external DA-Converter or digital recorder (e.g. CD-, DAT, or MD-Recorder).

Operating

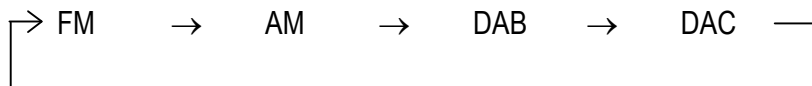
Use the four keys at the front panel to control all functions of your CAT. To control the CAT more comfortably please use the optional remote control (see section 'Remote Control').

POWER key If the unit is in stand by mode (mains switch **11** is on), you can switch on the CAT by pressing the POWER key. Using the POWER key again the CAT returns to stand by mode.

Note: All user and setup options, presets, current receiver mode and frequency are saved and are available after switching on again. The last mode before switching off to stand by mode will be restored. All saved information are non-volatile even after disconnecting the CAT from the mains power.

SET key Use the SET key to select an option from the menu. This menu consists of user options depending on the current receiver mode (FM or DAB) and setup options for the CAT. You navigate through the options pressing the SET key for a short or a long time (> 2 sec). Detailed information about all user and setup options can be found in the following chapters. Please refer to chapter 'Overview of Setup/User Options' for a quick overview.

To switch to the next receiver mode press SET key longer than 2 sec. The new mode will be displayed. You can skip through all possible 4 receiver modes cyclically:



Note: Mode DAB and DAC is only available, if DAB Module is installed!

UP / DOWN key Use UP and DOWN keys to change the option selected by SET key. For further details please see chapter of corresponding option.

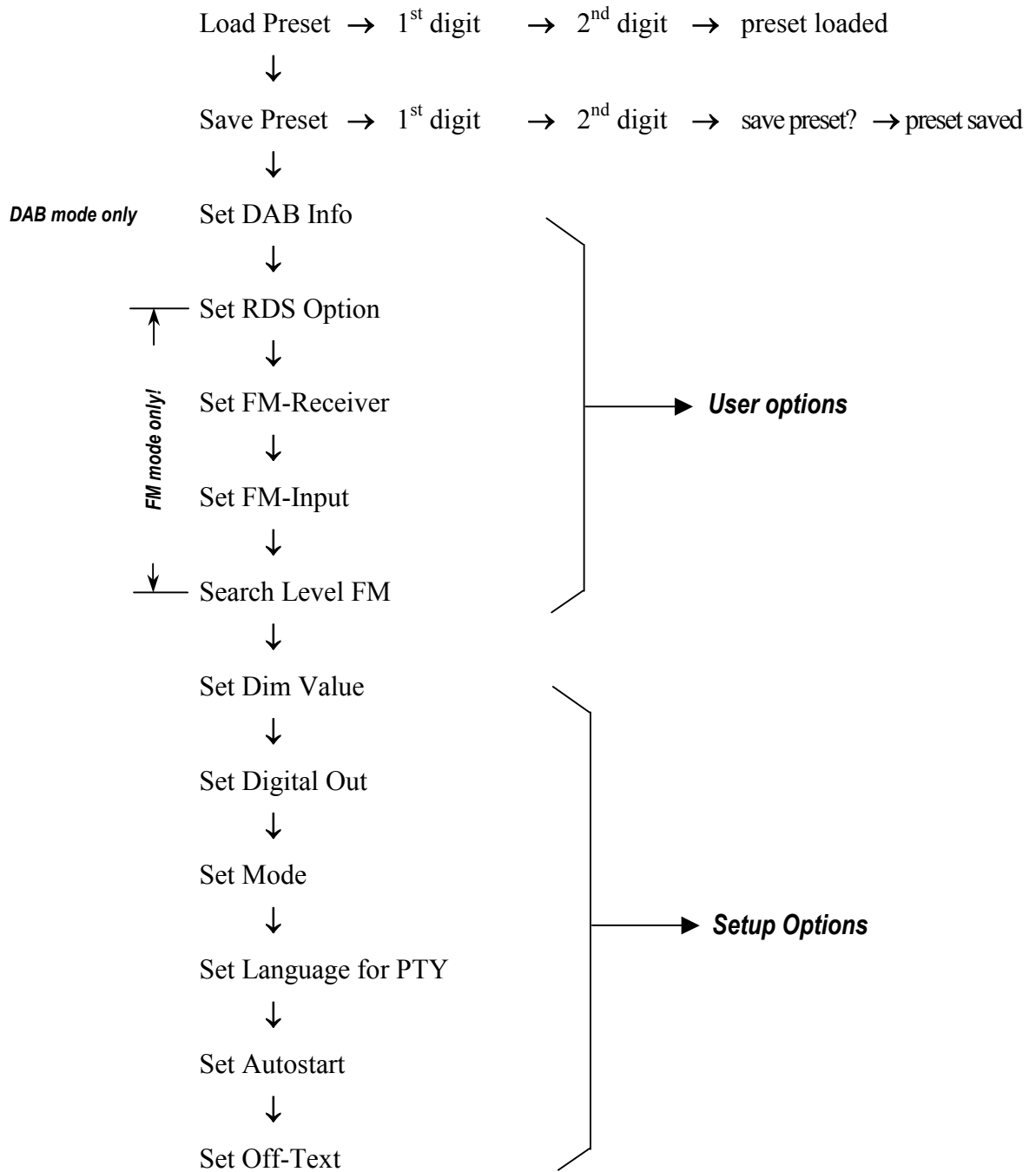
Press SET key longer than 2 sec to start searching into the corresponding direction. Automatic search stops when next station is found.

While in 'Scan' mode (Set Mode Option = Scan) use UP/DOWN keys for manual frequency selection in FM or AM mode. When in DAB mode UP/DOWN keys select next or previous Service.

While in 'Preset' mode (Set Mode Option = Preset) press UP or DOWN key shortly to select next or previous preset. For further details refer to chapters 'FM mode' and 'DAB mode'.

While in DAC mode use UP/DOWN keys to toggle between optical and coaxial digital input (see 'DAC mode').

Overview Setup/User Options



Navigation:

↓ = press SET key **shortly**

→ = press SET key **longer than 2 sec**

Setup options

Set Dim Value Display brightness can be adjusted in 4 steps using UP/DOWN keys.

Note: While adjusting brightness stays at 100%. If brightness is selected to 'Off', the display shuts down several seconds after last user input.

WARNING:

Long term usage of the display set to maximum brightness (setting 100%) may cause extended signs of wear resulting in a decay of contrast or brightness of individual dots in the display. Do not use the display with a brightness set higher than the factory default setting of 50% over a longer period of time.

Default: 50%

Set Digital Out **Note:** This option is only available if optional DAB Module is installed!

Activate the digital output of the CAT, if you like to do digital recordings of one of the digital sources connected to the CAT (DAC mode) or of the current station of digital broadcasting (DAB mode).

Note: With digital output activated, sample rate of selected digital source and digital output (DAC mode) are the same. In DAB mode sample rate of output is always 48kHz. *If the digital output is activated there is **no** signal at the analog outputs!*

Press UP key to activate digital output. If the unit is in DAB mode the display indicates activated digital out by the symbol 'DO' (= Digital Out) in the upper left corner. In DAC mode the second line of display reads 'DAC Digit.Out On', if digital out is active.

Press DOWN key to deactivate the digital output. The display switches back to normal mode. A music signal is only available at the analog outputs. All digital input signals are processed by Audionet's *Intelligent Sampling* – Technology before being converted from digital to analog.

NOTE: Only in DAB or DAC mode an output signal will be available at the digital output!

Default: off

Set Mode This option selects the function of keys UP/DOWN (front panel) or CH+/CH- (remote control).

Press DOWN key to enter 'Scan' mode. The display indicates this mode with the symbol 'SC' in the upper left corner.

In 'Scan' mode you can tune up/down one frequency step (FM mode: 50kHz, AM mode: 9kHz) using UP/DOWN keys (press shortly) for manual search.

Start automatic search by pressing CH+/CH- on the remote control. Pressing keys UP/DOWN at the front panel longer than 2 sec will also start automatic search in corresponding direction. Search stops at next found station (see section 'automatic search').

Press DOWN key to enter 'Preset' mode. The current preset number is indicated in the upper left corner of the display. If the frequency is tuned to a different value (e.g. by using the automatic search in 'Preset' mode) the display shows '- -' instead of the preset number.

Press UP (or 'CH+' on the remote control) for loading next or press DOWN (or 'CH-' on the remote control) for loading previous preset.

You can still start automatic search by pressing UP/DOWN longer than 2 sec.

Note: You can switch between 'Scan' and 'Preset' mode much more comfortably using key 'Preset/Scan' (screen 3) on the optional remote control.

Default: Scan mode

Set Language for PTY Use UP or DOWN keys to select language for displaying the program type (PTY). PTY is part of Radio Data Services (RDS).

Available languages: English, German, Swedish, Dutch and Spanish.

Note: Information about the program type is only available with FM stations supporting RDS. Also, User option 'Set RDS Option' has to be set to 'Prog. Type (PTY)'.

Default: English

Set Autostart If the Autostart function is active ('on'), this unit switches on automatically when connected to the mains. Activate this option if you are using the tuner with timer devices.

If Autostart function is inactive ('off'), this unit stays in stand by mode when connected to the mains. Use POWER key on front panel to switch on the CAT.

Press UP key to activate Autostart function ('on').

Press DOWN key to deactivate Autostart function ('off').

Default: off

Set Off-Text Select text to be displayed while CAT is in stand by mode. Choose between 'Audionet' and '♪♪'.

Press DOWN key to select 'Audionet'.

Press UP key to select '♪♪'.

Default: Audionet

Presets

The CAT offers up to 99 presets to save stations. You can save the receiver mode (FM, AM or DAB) and the frequency of the currently tuned station. In DAB mode the corresponding Ensemble to a tuned Service is saved, too. Preset numbers can be selected freely in the range from 1 to 99.

Save station Tune the CAT to the station you want to save. For details how to tune please refer to the following chapters. Press SET key *shortly twice* to enter save menu. Display shows 'SAVE PRESET: 0_'. Use UP and DOWN keys to select the 1st digit of the preset number.

Press the SET key longer than 2 sec to proceed. Now use the UP and DOWN keys to select the 2nd digit of the preset number.

Press SET longer than 2 sec again to proceed. The preset number is now entered completely. Display shows 'SET = save' in the 2nd line. If you are sure to save the current station to the selected preset number press SET key once more longer than 2 sec. If you would like to quit save menu, press SET key shortly. To select a different preset number, please select save menu again.

Note: You can always quit the save menu by pressing the SET key shortly.

You can save the current station much more comfortably by using the optional remote control. Press key 'SAVE' on screen 1 in the CAT device menu. The display shows 'SAVE PRESET: _ _'. Use number keys on the same screen of the remote control to enter preset number. After typing the 2nd number the display shows 'Enter = save'. Press 'ENTER' key to save current station to selected preset number.

Note: If you want to quit save menu press 'SAVE' key again.

Note: Previously used presets are overwritten when saving a new station to this preset!

Load station To load a previously saved station press SET key shortly. The Display shows 'LOAD PRESET: 0_'. Use UP and DOWN key to enter 1st digit of preset number.

Press SET key longer than 2 sec to proceed. Now use UP and DOWN keys to select 2nd digit of preset number.

Press SET key longer than 2 sec to proceed. The preset number is now entered completely. Press SET key longer than 2 sec again to load selected preset. The display shows 'loading... ' in the second line while loading the preset.

Note: You can quit load menu at any time by pressing the SET key shortly.

Loading a previously saved preset is done much more comfortably by using the optional remote control. Press key 'LOAD' on screen 1 in device menu CAT. The display shows 'LOAD PRESET: _ _'. Press number keys on the same screen to enter preset number. After entering the complete preset number, the saved station is loaded. While loading the CAT displays 'loading... '.

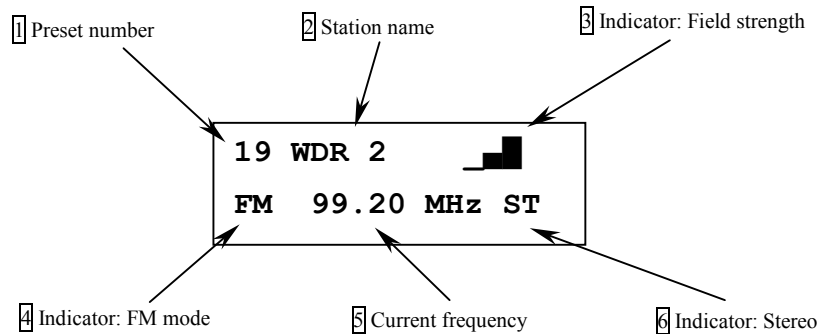
Note: To quit load menu press 'LOAD' key again before entering the second digit.

FM Mode

To enter FM mode press SET key at the front panel longer than 2 sec. Depending on current mode the CAT is in you might have to push the SET key several times to get into FM mode (see chapter 'Operating').

Press 'FM' key (screen 2) on the optional remote control to get directly into FM mode more comfortably.

Display In FM mode the display provides the following information:



- 1 in 'Preset' mode current preset number is displayed, 'Scan' mode is indicated by SC (see **Set Mode**)
- 2 displays station name, if supported by station; if not, '- -' is displayed
- 3 indicates field strength (max. 4 bars)
- 4 indicates FM mode
- 5 currently tuned frequency
- 6 ST = Stereo reception
MO = Mono reception

Automatic Search Start automatic search into corresponding direction by pressing UP or DOWN key longer than 2 sec. Use keys 'CH+' or 'CH-' on the remote control to start automatic search.

Searching is stopped automatically at next found station or manually by pressing key UP, DOWN, 'CH+' or 'CH-'.

Manual Search

Press key UP/DOWN at front panel shortly or 'Tune ▲' / 'Tune ▼' on the remote control (screen 2) to tune manually.

UP or 'Tune ▲' tunes up frequency one single step. DOWN or 'Tune ▼' tunes down frequency one single step. In FM mode one step is 50 kHz.

Note: If CAT is in 'Preset' mode keys UP and DOWN or 'CH+' and 'CH-' select next or previous preset! Enter 'Scan' mode to use search functions mentioned above.

User options

In FM mode are several User options available, which are discussed in the following. Select the desired User option by pressing the SET key at the front panel several times (see 'Overview Setup/User options) or pressing the corresponding key on the remote control (see below).

SET RDS OPTION

Selects RDS (Radio Data Services) option which is shown in the second line of the display instead of current tuned frequency:

'none'	no RDS option, back to frequency display
'Radio Text'	activates Radio Text
'Prog. Type (PTY)'	displays Program Type information
'Time & Date'	displays time and date information (as broadcasted by station)

Note: Availability of RDS options depends on broadcaster. Also, bad reception quality can narrow availability of RDS. If option 'Radio Text' is selected, display shows 'No Radio Text', if current station does not support this RDS option or Radio Text data is not recognized.

Default: none

SET FM-RECEIVER

Use this option to choose, if current program is presented in stereo or mono.

Note: If current tuned station broadcasts a mono program, the output is mono even if option is set to stereo.

Press key DOWN or 'CH-' to enable stereo reception (if supported by broadcaster).

Press key UP or 'CH+' to force mono reception.

Default: Stereo

SET FM-INPUT

Select sensitivity of FM receiver depending on level of input (antenna) signal.

Press key UP or 'CH+' to configure the FM receiver for high level input signals (e.g. cable radio). The display shows 'Cable'.

Press key DOWN or 'CH-' to switch input sensitivity to low level inputs (e.g. FM antenna). The display shows 'Aerial'.

Default: Aerial

SEARCH LEVEL FM

Adjust the threshold of automatic search function in 3 steps. The greater the threshold the stronger the signal of a station has to be in order to be detected by the automatic search function.

Use key UP or 'CH+' to increase the threshold. To decrease the threshold press key DOWN or 'CH-'.

There are three threshold steps available: 70dBu, 80dBu and 90dBu.

If the automatic search function stops too often without finding a suitable station, increase threshold.

If not all stations are found by the search function, decrease threshold.

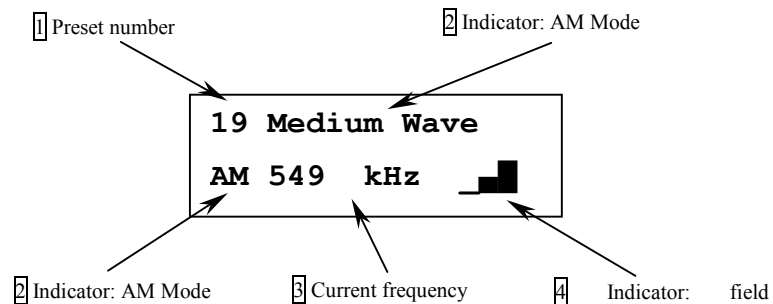
Default: 70dBu

AM Mode

To enter AM mode press SET key at the front panel longer than 2 sec. Depending on current mode the CAT is in you might have to push the SET key several times to get into AM mode (see chapter 'Operating').

Press 'AM' key (screen 2) on the optional remote control to get directly into AM mode more comfortably.

Display In AM mode the display shows the following information:



- 1 in 'Preset' mode current preset number is displayed, 'Scan' mode is indicated by SC (see **Set Mode**)
- 2 indicates that the CAT is now in AM mode.
- 3 currently tuned frequency
- 4 indicates field strength (max. 4 bars)

Automatic Search

Start automatic search into corresponding direction by pressing UP or DOWN key longer than 2 sec. If you are using the optional remote control, please use keys 'CH+' or 'CH-' to control the search function.

The automatic search will stop automatically at the next found station or manually after pressing one of the keys UP, DOWN, 'CH+' or 'CH-'.

Manual Search

Press key UP/DOWN at the front panel shortly or 'Tune ▲' / 'Tune ▼' on the remote control (screen 2) to tune the frequency manually.

UP or 'Tune ▲' tunes up the frequency one single step. Down or 'Tune ▼' tunes down the frequency one single step. In AM mode each step is 9 kHz.

Note: If CAT is in 'Preset' mode keys UP and DOWN or 'CH+' and 'CH-' select next or previous preset! Enter 'Scan' mode to use search functions mentioned above.

Note: In AM mode no User options are available.

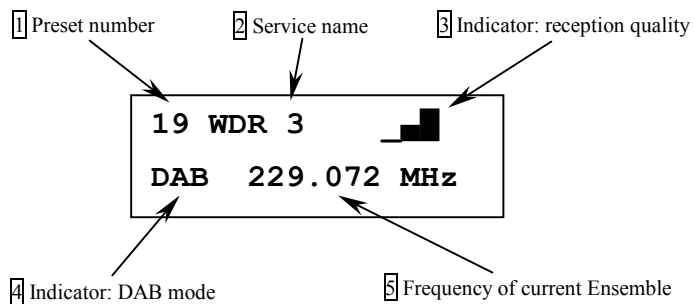
DAB Mode

To receive **D**igital **A**udio **B**roadcasting (DAB) the optional DAB Module has to be installed in your CAT. The module can be installed later.

To enter DAB mode press SET key at the front panel longer than 2 sec. Depending on current mode the CAT is in you might have to push the SET key several times to get into DAB mode (see chapter 'Operating').

Press 'DAB' key (screen 2) on the optional remote control to get directly into DAB mode more comfortably.

Display In DAB mode the display shows the following information:



- 1 in 'Preset' mode current preset number is displayed, 'Scan' mode is indicated by SC (see **Set Mode**)
- 2 name of current Service (shortened to 8 characters).
- 3 indicates reception quality
- 4 indicates that the CAT is now in DAB mode
- 5 frequency of current Ensemble

Ensemble Search

Press UP key longer than 2 sec to search for the next Ensemble automatically. Press DOWN key longer than 2 sec to search for previous Ensemble.

If you are using the remote control, press key 'Tune ▲' or 'Tune ▼' to search for next or previous Ensemble.

Both VHF Band III and L-Band are searched for Ensembles. While searching the display shows *Scanning*, instead of name of Service [2], and the currently scanned frequency

Interrupt search by pressing UP, DOWN, 'CH+' or 'CH-'. Last used Service will be activated again.

If a new Ensemble is found, its name is displayed for several seconds [2]. After that the display switches back to showing the first Service name.

If no Ensemble is found at all, automatic search stops after scanning all frequencies. The display will then show '--' instead of a Service name.

Service Search

If an Ensemble is found, the first Service is activated and its name displayed [2]. To skip to the next Service press UP key shortly. To activate the previous Service press DOWN key.

To select a Service with the remote control use keys 'CH+' and 'CH-'. They have the same functions as the UP and DOWN keys at the front panel.

Note: If CAT is in 'Preset' mode keys UP and DOWN or 'CH+' and 'CH-' select next or previous preset! Enter 'Scan' mode to use search functions mentioned above.

User Options

Enter User options menu 'SET DAB INFO' by pressing SET key at the front panel three times shortly or using key 'RDS/Info' on the remote control. Use keys UP/DOWN or 'CH+'/'CH-' to select desired function:

'Dynamic Label' scrolls text information in second line of display. Availability and contents of text information depends on broadcaster. If current Service does not support text information the display shows 'No Dynamic Label'.

Note: It might take several seconds after activating this function until the text is displayed

'Ensemble Info'	first line in display shows name of current Ensemble (8 characters), second line shows full-length name of current Service (16 characters)
'Time & Date'	displays time and date as provided by broadcaster
'Audio Info'	displays sample- and bit rate of current Service
'none'	back to frequency display

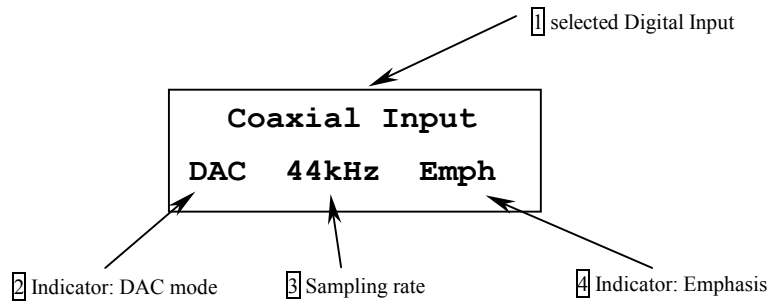
DAC Mode

If the DAB Module is installed into your CAT, you can also use it as a high quality DA-(Digital-to-Analog-) converter. Two digital sources can be connected to your CAT using the optical digital input **9** and the coaxial digital input **8**.

To enter DAC mode press SET key at the front panel longer than 2 sec. Depending on current mode the CAT is in you might have to push the SET key several times to get into DAC mode (see chapter 'Operating').

Press 'DAC' key (screen 2) on the optional remote control to get directly into DAC mode more comfortably.

Display In DAC mode the display shows the following information:



- 1 indicates selected digital input:
Coaxial Input for digital input **8**
or Optical Input for digital input **9**.
- 2 DAC indicates that the CAT is now in DAC mode.
- 3 shows sampling rate of current digital signal. If no input signal is available the display shows --kHz.
- 4 if a digital signal is recorded with emphasis display shows Emph.

Select digital input

Select the desired digital input using the keys UP and DOWN at the front panel or 'CH+' and 'CH-' on the remote control. Each keystroke toggles between coaxial and optical digital input. It doesn't matter which of the above-mentioned keys you use.

Remote Control

All functions of your CAT can be controlled much faster and comfortably with the optional remote control. It is an intelligent universal remote control that is able to control not only Audionet devices but up to 10 devices of any kind by simply learning their control codes. Operating the remote control is done by conventional keys and a touch screen display.

For further details about operating and programming the remote control please consult its user's manual. In the following only the keys relevant to control the CAT are discussed. The touch screen display is divided into several screens that hold the corresponding control elements. Refer to the user's manual of your remote control to learn how to navigate through the screens and menus.

Note: In order to control to the CAT you **have** to select the device menu 'CAT' from the main menu of your remote control.

'VOL+' & 'VOL-' key

Use these keys to control the volume of your power amplifier. By default they are programmed with control codes for Audionet (pre-) amplifiers. You are able to reprogram them to your preferences (please consult the manual provided with your remote control).

'CH+' & 'CH-' key

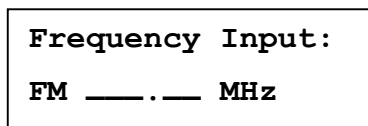
Depending on the mode the CAT is currently in these keys activate the automatic search mode or skip to the next/previous preset (see Setup option **Set Mode** or chapters dealing with the different receiver modes).

'Power' key

The 'Power' key on the remote control has the same function as the POWER key at the front panel. It is used to switch the CAT on or off (stand by mode). For further information please refer to chapter 'Operating'.

'mute / ENTER' key

In FM mode you are able to enter the desired frequency directly. Press 'ENTER' key to get into the **Direct Frequency Input Mode**. The Display shows:



Use the number keys on screen 1 to type in the desired FM frequency. As soon as the last digit is entered the CAT tunes to this frequency. In order to leave this input mode without entering the complete frequency (and make no changes) press 'Enter' key again.

While in **Direct Frequency Input Mode** please follow these rules:

- Only frequencies in the range from 87.50 to 108.00 MHz are allowed. Therefore, only numbers 8, 9 or 1 are permitted as first digit. All other numbers are ignored.
- It is not necessary to enter a leading zero (for frequencies below 100 MHz). Simply press '8' or '9' instead. The CAT automatically adds the leading zero.
- To enter frequencies greater than 100 MHz press key '1' for the first digit. CAT automatically recognizes the input as '10'. You are spared unnecessary inputs.
- As in FM mode the smallest allowed frequency step is 50 kHz, the last digit has to be 0 or 5. Press key '0' on screen 1 to enter 0. Press any other number key to input 5 as last digit.

Screen 1

Located in the first screen are number keys as well as 'LOAD' and 'SAVE' keys. Use number keys for frequency direct access (see above) or selection of preset numbers (see 'Presets').

For details on keys 'LOAD' and 'SAVE' please refer to chapter 'Presets'.

Screen 2

Upper 4 keys select receiver mode directly:

DAB for Digital Radio (with installed DAB Module only)

DAC for Digital-to-Analog-Converter mode (with installed DAB Module only)

AM AM mode

FM FM mode

In FM and AM mode use keys 'Tune ▲' and 'Tune ▼' to tune manually. In DAB mode use these keys to start Ensemble search in corresponding direction.

Screen 3	'MONO'	Direct access to User option 'SET FM-RECEIVER'. Press 'CH+' to select mono reception. Press 'CH-' to select stereo reception (FM mode only).
	'DIM'	Direct access of Setup option 'SET DIM VALUE' (see chapter 'Setup options').
	'RDS/Info'	Direct access of User option 'SET RDS OPTION' (FM mode only) or 'SET DAB INFO' (DAB mode only).
	'Setup'	Direct access of other Setup options. Press key 'Setup' several times to navigate through options (see chapter 'Setup options').
	'Preset/Scan'	toggles 'Preset' and 'Scan' mode (see 'SET MODE').

Precautions

- Prevent children playing with plastic bags!
- Please store and operate this unit in a dry room at reasonable room temperature!
- Avoid moisture or any liquid to get into this unit!
- Set up this unit in a free position. Do not cover the top!
- Do not open the case! No user serviceable parts inside.
- Unauthorised opening voids warranty!
- Do not short-circuit output terminals!
- Please use a dry cloth for cleaning!

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

Technical Data

Function	Configurable analog- and digital tuner
Input frequency range	analog: FM 87.5 – 108.0 MHz AM 522 – 1611 kHz digital: VHF Band III 174 – 240 MHz L-Band 1.452 – 1.492 GHz
Frequency range	analog: 30 – 15,000 Hz (+ / - 1 dB) digital: max. 20 – 22,000 Hz (+ / - 1 dB)
Signal to noise ratio	analog: >66 dB digital: >100 dB
Output impedance	68 Ohms
Inputs	1 FM antenna 75 Ohms 1 AM antenna, double pole 1 DAB antenna, 50 Ohms (BNC) 1 Digital Input, RCA, gold plated 1 Digital Input, optical (TOS-Link) 7 pin socket for Audionet EPS 1 Audionet Link, optical
Outputs	1 pair Line out, Cinch, gold plated 1 pair Balanced out, Neutrik XLR, gold plated 1 Digital out, Cinch, gold plated
Mains	120 or 230 V, 50..60 Hz
Power dissipation	2 W stand by, max. 30 W
Dimensions	430 mm * 70 mm * 310 mm (W * H * D), 9 kg
Features	<ul style="list-style-type: none"> - D/A converter with <i>Intelligent Sampling</i>-Technology - Radio Data Services (RDS) - Switchable antenna sensitivity - Remote switch-on via Audionet Link - Automatic mains phase recognition

Engineered and produced by:
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