

# HUMAX

## DIGITAL SATELLITE HD+ RECEIVER

ECO II HD+



Picture similar

User Manual  
Bedienungsanleitung  
Kullanım Kılavuzu

26 Sep 2023 15:42

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## 1. INTRODUCTION

### 1.1 Safety Instructions

Read all of the instructions before operating the device. Keep these instructions well for later use.

- Only use attachments/accessories specified or provided by the manufacturer (such as the exclusive supply adapter, battery etc.).
- Please refer to the information on the product enclosure for electrical and safety information before installing or operating the apparatus.
- To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
- The ventilation should not be impeded by covering the ventilation openings with items, such as newspaper, table-cloths, curtains, etc.
- The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
-  This mark indicates a risk of electric shock.
- To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.
- Danger of explosion if the battery is incorrectly replaced. Replace only with the same or equivalent types.
- The battery (battery or batteries or battery pack) shall not be exposed to excessive heat such as sunshine, fire or the like.
- Excessive sound pressure from earphones and headphones can cause hearing loss.
- Listening to music at high volume levels and for extended durations can damage one's hearing.
- In order to reduce the risk of damage to hearing, one should lower the volume to a safe, comfortable level, and reduce the amount of time listening at high levels.
- The mains plug or appliance coupler is used as disconnect device, it shall remain readily operable. When not in use and during movement, please take care of the power cord set, e.g. tie up the power cord set with cable tie or something like that. It shall be free from sharp edges or similar which can cause abrasion of the power cord set. When put into use again, please make sure the power cord is not damaged. The absence of a light indication on the apparatus does not mean that it is fully disconnected from the mains. To disconnect the apparatus completely, the mains plug must be pulled out.
- Attention should be drawn to environmental aspects of battery disposal.
- No naked flame sources, such as lighted candles, should be placed on the apparatus.
-  To prevent the spread of fire, keep candles or other open flames away from this product at all times.
-  Equipment with this symbol is a Class II or double insulated electrical appliance. It has been designed in such a way that it does not require a safety connection to electrical earth.

#### Precautions

- Never try to open the device. It is dangerous to touch the inside of the device due to high voltages and possible electrical hazards. Opening the device will void the warranty of the product. Refer all maintenance or servicing to suitably qualified personnel.
- When you are connecting cables, be sure that the device is disconnected from the mains supply voltage. Wait a few seconds after switching off the device before you move the device or disconnect any equipment.
- It is a necessity that you only use an approved extension and compatible wiring that is suitable for the electrical power consumption of the installed equipment. Please ensure that the electrical power supply corresponds with the voltage on the electrical identification plate at the back of the device.

#### Operating Environment

- Do not install this equipment in a confined space such as a bookcase or similar unit.
- Do not use the set near damp, and cold areas, protect the set from overheating.

- Keep away from direct sunlight.
- Do not use the set near dust place.
- Do not place candles near the opening area, to avoid flammable foreign material from entering the device.

## WEEE Directive

### WEEE



Correct Disposal of this product. This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

## 1.2 Storage

Your device has been carefully checked and packed before shipping. When unpacking it, make sure that all the parts are included and keep the packaging away from children. We recommend that you keep the carton during the warranty period, to keep your device perfectly protected in the event of repair or warranty.

## 1.3 Equipment Set-up

We recommend you to consult a professional installer to set up your equipment. Otherwise, please follow the instructions below:

- Refer to the user manual of your TV and your antenna.
- Make sure that the HDMI cable and outdoor components are in a good condition and the HDMI connections are well shielded and from good quality.

This user manual provides complete instructions for installing and using this receiver. The symbols serve as follows.

**WARNING** Indicates warning information.

**NOTE** Indicates any other additional important or helpful information.

**MENU** Represents a button on the remote control or the receiver.

*Move to* Represents a menu item within a screen.

## 1.4 Accessories

- 1x Quick Guide
- 1x remote control unit
- 2x 1,5 V batteries
- 1x power adapter 12 V, 1.5 A
- 1x HD+ smartcard

**WARNING:** The batteries should not be recharged, disassembled, electrically short-circuited, be mixed or used with other types of batteries. If rechargeable accumulators instead of batteries are going to be used, we recommend using (e.g. NiMH) types with low self-discharge to ensure long time operation of remote control.

## 1.5 Usage of external USB devices

- It is recommended to use USB 2.0 storage devices. If your device is not compatible to USB 2.0 specifications, the playback with your receiver might not work properly.
- If you are going to use external USB HDD (Hard Disk Drive) please consider that the power specifications might exceed the supported output of your receiver (5 V/500 mA). If so, please connect your USB HDD to an according external power adapter.

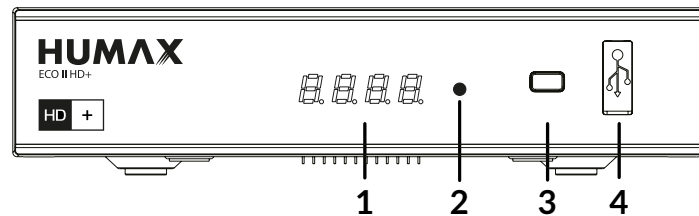
- We as supplier cannot guarantee compatibility with all types of USB storage devices.
- It is advised not to store important information on USB storage devices used with the receiver. Always make backups of data on your USB storage device before using it with this receiver. We as supplier will not take responsibility for any loss of information or circumstances caused by loss of information.
- Please ensure that either the USB device is already formatted to FAT32
- We as supplier cannot guarantee the playback of all files although extensions are listed, as it depends on file size, codec, bit rate and resolution.

## 2. YOUR RECEIVER

### 2.1 DEFAULT PIN-CODE: 0000

### 2.2 Front Panel

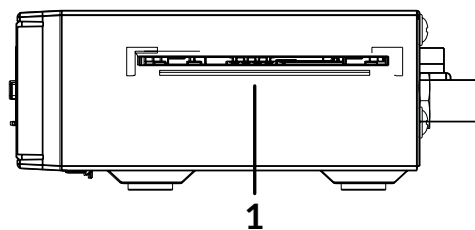
Fig.1



- |                       |  |
|-----------------------|--|
| 1. LED Display        | Displays channel number, time and status.                                |
| 2. Standby indicator: | Shows power state of the receiver: Red LED - receiver is in standby mode |
| 3. Power button       | Switch the receiver to Standby or On                                     |
| 4. USB                | To connect your USB storage device                                       |

### 2.3 Side Panel

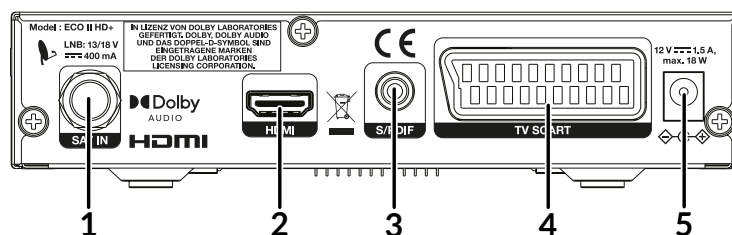
Fig.2



- |                    |   |
|--------------------|---|
| 1. Smart card slot | To insert your HD+ smart card with the golden chip facing down. |
|--------------------|---|

### 2.4 Rear Panel

Fig. 3



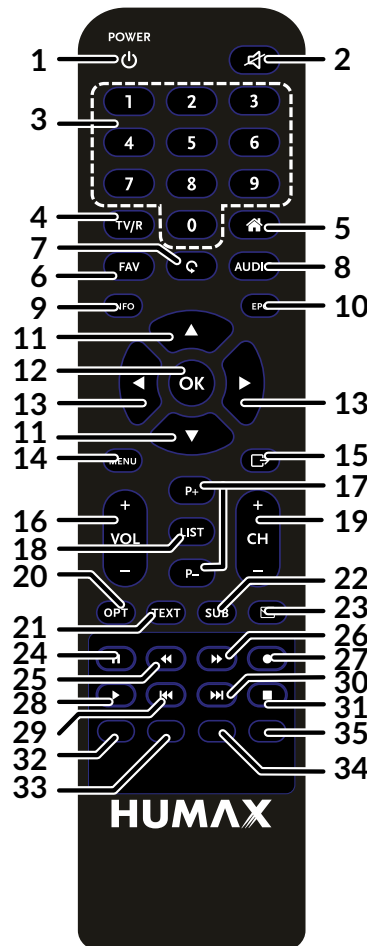
- |                   |   |
|-------------------|---|
| 1. SAT IN         | To connect to the LNB of your satellite antenna for reception of satellite broadcast signal |
| 2. HDMI           | To connect to the HDMI input of your TV set using a good quality HDMI cable                 |
| 3. S/PDIF (coax.) | To connect to a digital amplifier or home theatre using a coaxial cable                     |

- 4. TV SCART
- 5. DC POWER

To connect to TV using a SCART cable  
 To connect to the original included main power adapter (Input ~230 V 50~60 Hz/  
 Output 12 V, 1.5 A DC )










## 2.5. Remote Control

Fig. 4



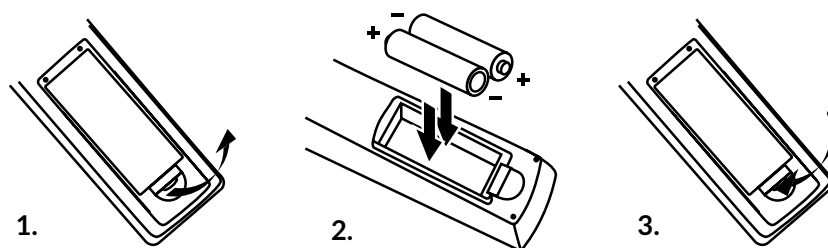
- 1. Turns the receiver ON/Standby
- 2. To turn the sound on or off
- 3. 0~9 Channel number and numeric value input
- 4. TV/R Toggles between TV and radio mode
- 5. No function
- 6. FAV To access your favourite channels. Toggles between available favourite groups
- 7. To switch between the last viewed channels
- 8. AUDIO Displays the audio and subtitle selection menu with selections for available languages and audio modes
- 9. INFO Press to display channel number/name and current/coming information. Press twice to display detailed event and technical signal information.
- 10. EPG Viewing mode: Displays the EPG (Electronic Program Guide)
- 11. Switches to the next/previous channel in viewing mode, switches to the next/previous page in channel list or moving the highlight up/down in the menu
- 12. OK Viewing mode: Displays the channel list. Menu: activation of the highlighted item
- 13. Decreasing/increasing the volume level in viewing mode/navigating through the menus/ changing values of settings in a menu
- 14. MENU To open the main menu in viewing mode or to go one step back in the menu



- 15.  Cancellation of current process/exit from main menu to viewing mode
- 16. **VOL+/-** Increases/decreases the volume level in TV mode
- 17. **P+/P-** Jumps 10 places up or down in channel list or any other list.
- 18. **LIST** Displays the channel list.
- 19. **CH+/-** Channel up/down
- 20. **OPT** Quick Screen setting
- 21. **TEXT** To open Teletext if available on the current channel.
- 22. **SUB** To select subtitles language out of available ones on the current channel
- 23.  Mail list
- 24. **II** Hold play during playback
- 25.  Searches backwards during playback. Each pressing increases the speed (x2 – x32)
- 26.  Searches forwards during playback. Each pressing increases the speed (x2 – x32)
- 27.  No function.
- 28.  Starts/resumes the playback
- 29.  Jumps to the previous file during playback.
- 30.  Jumps to the next file during playback.
- 31.  Stops playback of multimedia files
- 32. **RED** Timer overview and functions in OSD menu and Teletext.
- 33. **GREEN** Flexible functions in OSD menu and Teletext. Changes the picture resolution in viewing mode.
- 34. **YELLOW** Flexible functions in OSD menu and Teletext. Changes the picture Aspect Ratio in viewing mode.
- 35. **BLUE** Technical information and functions in OSD menu and Teletext.

## 2.5 Installing the batteries

**Fig. 5**



Remove the battery cover from the remote control and put 2x AAA size batteries inside the compartment. The diagram inside the battery compartment shows the correct way to install the batteries.

1. Open the cover
2. Install batteries
3. Close the cover

**NOTE:** The batteries should not be recharged, disassembled, electrically short-circuited, be mixed or used with other types of batteries.

## 2.6 Using the remote control

Fig. 6



To use the remote control, point it towards the front of the digital receiver. The remote control has a range of up to 7 metres from the receiver, if properly aligned towards the IR eye on the front panel.

The remote control will not operate if its path is blocked.

**NOTE:** Sunlight or very bright light might decrease the sensitivity of the remote control.

## 3. CONNECTIONS

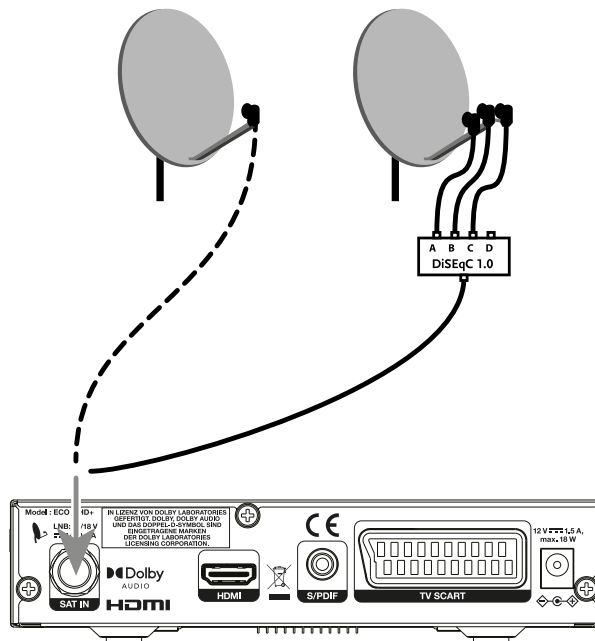
This section explains the most important functions to ensure that you can directly watch television with your new receiver. Please note additional adjustments may be required.

**NOTE:** Do not connect the receiver to the main power yet.

### 3.1 Connecting the Antenna and LNB (Low Noise Block) to the receiver

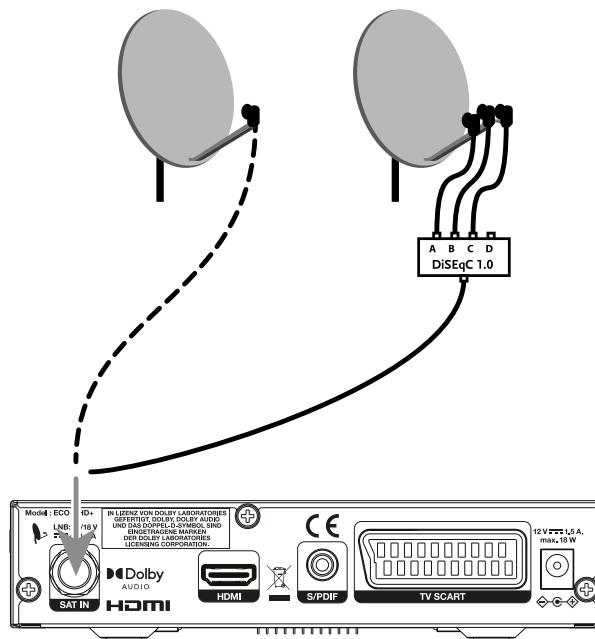
Connect the LNB of your satellite antenna to the SAT IN connector of your receiver using a good quality coaxial cable and suitable 'F-connector' plugs.

Fig. 7 a



#### 3.1.1 Connection of multiple fixed antennas via DiSeqC 1.0

Fig. 7 a

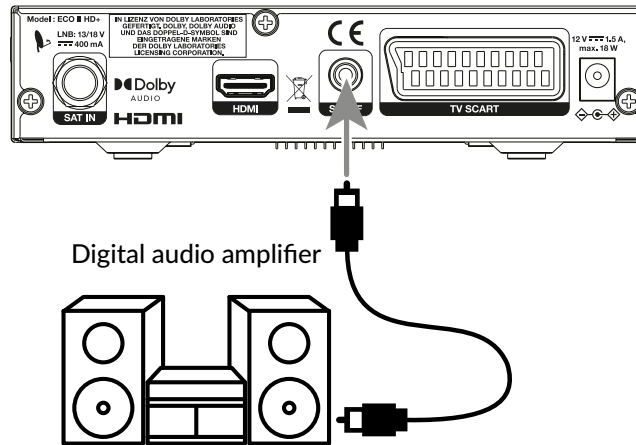


- A Connect the LNBs of your fixed antenna to the inputs of a DiSEqC 1.0 switch using a good quality coaxial cable and suitable 'F-connectors'.
- B Connect the output or "to receiver" of the DiSEqC 1.0 switch to the SAT IN connector on your receiver. Use good quality coaxial cable and suitable "F-connectors".
- C Plug the power adapter jack to the receiver and the other end to a suitable wall outlet.

## 3.2 Connecting to digital audio amplifier

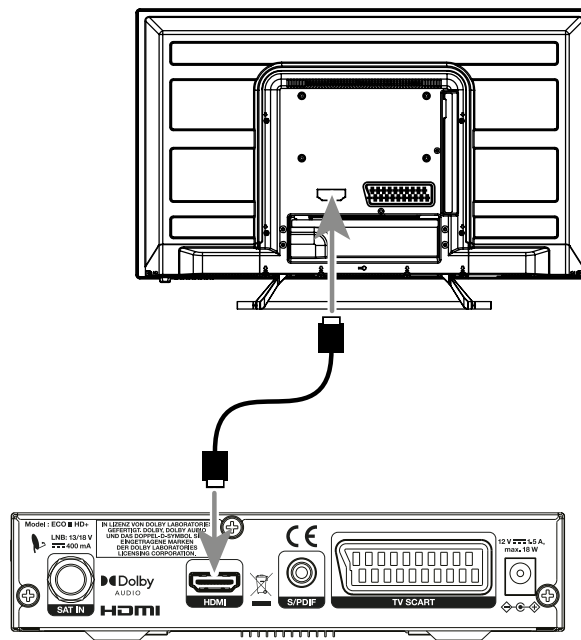
Connect one end of a good quality coaxial audio cable to the S/PDIF output of your receiver and the other end to the coaxial audio input of your home theatre, amplifier or any other device supporting digital audio.

**Fig. 7 b**



## 3.3 Basic connection using an HDMI cable

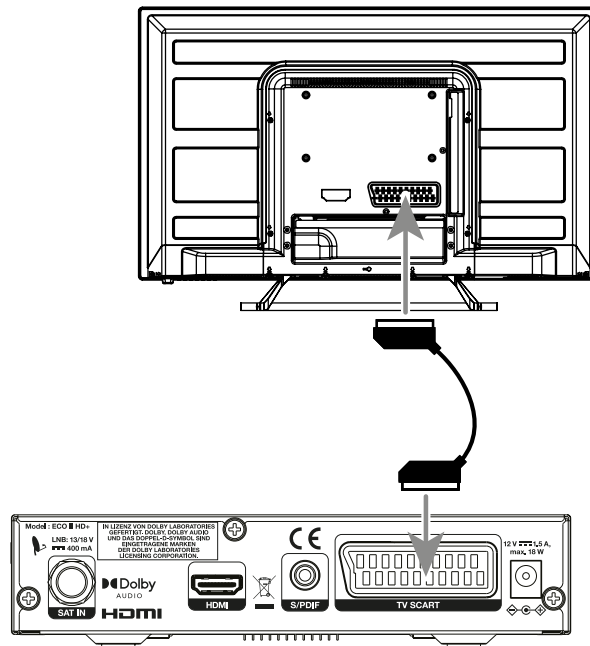
**Fig. 8 a**



- a. Connect the LNB of your satellite antenna to the SAT IN connector of your receiver using a good quality coaxial cable and suitable 'F-connector' plugs.
- b. Connect one end of a good quality HDMI cable to the HDMI output on your receiver and the other end to the HDMI input of your TV.
- c. Plug the power adapter to a suitable wall outlet.

## 3.4 Basic connection using a SCART cable

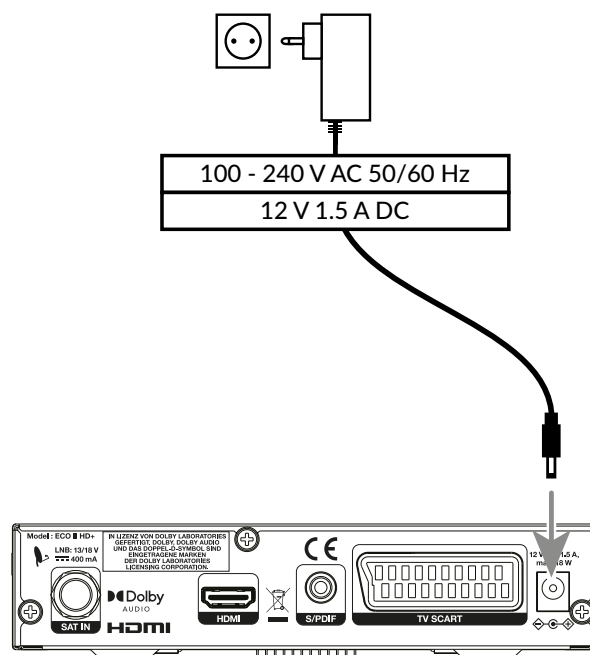
Fig. 8 b



- Connect the LNB of your satellite antenna to the SAT IN connector of your receiver using a good quality coax cable and suitable 'F-connector' plugs.
- Connect one end of a good quality Scart cable to the TV SCART connector on your receiver and the other end to the SCART input of your TV.
- Plug the power adapter to a suitable wall outlet.

## 3.5 Connection to main power supply

Fig. 9



After all the connections are done you can connect your receiver to power using the supplied external AC/DC 12Volt 1.5Ampere adapter. Now plug the adapter into the wall socket.

## 4 STARTING UP FOR THE FIRST TIME

Once you properly installed and connected all cables of the receiver, setup your receiver step by step by *First Time Installation* procedure.

It will guide you through the basic installation and channel searching process.

Please, switch on your TV and select the correct input source and switch aswel on the receiver.

### 4.1 Language setting

Select firstly here your preferred language for the on-screen menu.

*Menu language* Select you preferred language for menu on screen.

*Audio language* Select you preferred audio language for audio track if available.

*Subtitle language* Select you preferred subtite language for subtiles on screen if available.

*Teletext language* Select which character type is used by the belonging language.

Use ◀▶ to change menu language and use ▲▼ for next step.

If all selection set are as you wish, press **OK** to confirm your selections.

### 4.2 Output settings

In this menu you can select output settings which you like to use for connected TV screen.

*TV display* Select screen between type 16:9 or 4:3 for old models.

Keep selection to *Auto* for new flat TV screens.

*Resolution* Select screen resolution matching with connected TV screen.

*Audio output* Select *PCM* for only stereo audio.

Select *Bitstream* for stereo and Dolby audio if available.

*SCART* Select *CVBS* for combined colors.

Select *RGB* for seapparted colors if SCART cable is used.

*HDCP* Keep selection to *On* for new modern TV screens.

Only for unprotected content in low resolution select *Off*.

Use ◀▶ to change and use ▲▼ for next step.

If all selection set are as you wish, press **OK** to confirm your selections.

#### 4.2.1 Satellite selection

To set up the receiver for the type of connected antenna, follow the instructions below.

You have technical possibility to configure your receiver to get signal from more satellites and to use on different antenna systems. The HD+ channels for Germany are broadcasting on ASTRA 19.2 East satellite. The most commen settings are set as default. If signals levels are there and settings looks correct. Press directly **OK** to proceed with channel installation.

*Satellite name* Please, keep selection to this satellite ASTRA 19.2 to enabled to receive these HD+ and Germany channels.

*Transponder* Select other transponders if you like to check and test signal levels.

*DiSEqC* Select which antenna system you connected to. Direct connection to LNB select *None*. Antenna systems with more connections select *DiSEqC 1.0* Specially more home systems can select *Sat CR* or *dCss*. In this case, better check with your local installer or landlord of building.

*DiSEqC port* Select which port ASTRA 19.2 satellite is connected.

*LNB power* Normal is power for LNB / Antenna set to *On*. In some special cases you can switch to *Off*.

## 4.3 Channel search

In order to view video programmes, you must do a channel search with or without smartcard in order to install the channel list of your choice.

For HD+ channels, first insert HD+ smartcard at the right-hand side of the receiver before you start the channel search. Then the receiver will install the associated channel list of the HD+ bouquet (FTA and encrypted).


For FTA only channels or for channels from other satellites you do not need to insert a HD+ smartcard.

Select the search scheme you wish the wizard to follow:

1. Select HD+ channel scan to search for channels of the HD+ bouquet (channels 100 and above).
2. Select *Preinstalled channels* to restore a predefined German channel list from the receiver's memory (channels 1~99).
3. Select *Satellite edit* to search for channels on all transponders for the selected satellite (channels above the HD+ bouquet).

**NOTE:** After selection 1 to load HD+ bouquet with inserted HD+ smartcard. Select after this installation in menu to install selection 2. Then this Preinstalled channel list will contain aswell HD+ channels.

### Finding and storing the channels


Select preferred option or press the **OK** button on the remote control to start the channel search. Once a channel search has started, a progress bar and list of channels will be displayed. At any time, you may stop the search by pressing  on the remote control. After the channel search is completed, the receiver will save all found channels into the channel list and exit to the preview mode.

**NOTE:** If you see the messages *No list found* or *No channels found*, please check the antenna connections and signal levels of the satellite dish.

## 5. QUICK GUIDE FOR USING YOUR RECEIVER

We at HUMAX understand that you can't wait to enjoy your new HD+ receiver.

However, we advise you to read this manual to get the best performance from your HUMAX HD+ receiver.


To turn your receiver On or to go to Standby mode, press  on the remote control. Choose channels with **CH+/-** or **▲ ▼**. Alternatively, you can also enter the channel number with the **0~9** buttons on the remote control or press **OK** in viewing mode to display the channel list. The volume can be adjusted with **VOL+/-** or with **◀▶**.

## 6. OPERATION

In viewing mode, several features are available to make watching TV a true pleasure. This paragraph describes these features. Please also read chapter 7 to get familiar with the menu of your new HD+ receiver.

### 6.1 Selecting channels

There are different ways to change channels with your receiver.

- Via direct access
- Via the channel list
- Via the **CH+/-** or **▲ ▼** buttons
- Via the  button

## 6.1.1 Direct access

To gain direct access to a certain channel simply enter its number with the **0~9** keys on the remote control. Channel numbers can be up to 4 digits long. Entering numbers and values with less than 4 digits is possible. Just wait a few seconds and your receiver will switch to the selected channel.

## 6.1.2 Channel list

Press **OK** or the **LIST** button in viewing mode to display the channel list.

Use **▲ ▼** to highlight your channel of choice and press **OK** to select the highlighted channel for preview.

Use the **FAV** button to get access to a group of favourite lists. Press **OK** to select only channels from a particular list. Refer to chapter 7.1.1 *TV Manager* to organize channels into favourite lists.

Use the **◀ ▶** button to get access to TV, Radio list or group of satellites, which channels were stored to receiver during installation procedure. Press **OK** to select only channels from particular satellite.

## 6.1.3 Using the CH+/- or ▲ ▼ buttons

CH+ or **▲** will switch to a higher channel.

CH- or **▼** will switch a lower channel.

## 6.1.4 Using the ◀ button

Use the **◀** button to return to the last viewed channel.

## 6.2 Volume Control

The volume control allows you to adjust the audio volume. Press **VOL+/-** or **◀ ▶** button to adjust the audio volume. Press the **⊗** button to temporarily mute audio. Press it again to come back to normal volume.

**NOTE:** The MUTE function remains set while you switch channels.

## 6.3 Programme Information (Info banner)

Programme information is always displayed for a certain period of time whenever you switch channels.

You can also view the programme information by pressing the **INFO** button while watching a programme.

Pressing again **INFO** will display extended EPG and technical details as signal levels.

Press **⏏** to hide the info banner.

Info banner:

- Indicates channel number and name
- Indicates current time and date
- Informs about current programme name
- Indicates name and schedule of the next programme
- Displays satellite signal strength and quality bars
- Displays age information for parental control protection.
- Provides video and audio parameters for broadcasted programme
- Provides subtitle and teletext information (displayed if available with the programme broadcast).

Use the **▲ ▼** buttons of the remote control to scroll information through previous/next channel information for current time.

\* Information will be displayed if available. Availability depends on the broadcaster.

## 6.4 Selecting audio language

Some channels support a choice of audio formats and/or languages.

Press **AUDIO** in viewing mode to display audio languages banner.

Use **◀ ▶** to select the language of choice.



With ◀▶ you can additionally select audio mode of *Stereo* (for stereo sound), *Mono* (both speakers will produce same mixed from both channels sound) and *Left* or *Right* (both speakers will produce sound respectively from left or right sound channel).

## 6.5 Selecting subtitle language

Press **SUB** in viewing mode to display subtitle languages banner. Use ◀▶ to select the subtitle language you like. The selection is depending of the broadcast. Keep selection to *Off* if you do not want to display these.

**NOTE:** Please consider that this function supports DVB and TXT subtitles and this selection only displays them temporarily. Subtitles may not be supported by every channel or broadcaster.

## 6.6 Viewing the teletext

To access the teletext, press the **TEXT** button in viewing mode. Use 0~9 or ▲ ▼ buttons to select the number of the page you wish to see. Subpages (if loaded and available) can be selected with the ◀▶ buttons. Press ⇨ to go back to viewing mode.

## 6.7 Quick changing of Screen settings

To quickly change parameters of screen setting, press the **OPT** button in viewing mode. It is possible to change *HDMI Resolution*, *Aspect Ratio* and *Aspect Conversion*.

### 6.7.1 Changing HDMI Resolution

Use ◀▶ buttons to pick the resolution of the HDMI output: *Auto*, *576i*, *576p*, *720p*, *1080i* and *1080p*.

### 6.7.2 Changing the Aspect Ratio

Use ◀▶ buttons to select the aspect ratio of your TV screen and choose between *Pan&Scan*, *Letterbox*, *16:9* and *4:3*.

## 6.8 Electronic Programme Guide (EPG)

The Electronic Program Guide is a very useful function that allows you to watch program schedules and information on screen and not to miss any important event by setting Timer for it.

Press **EPG** button to activate this guide. Press **EPG** button again to switch to "simple EPG" mode and again to "Grid EPG".

Use ▲ ▼ to select a channel. Use ◀▶ to scroll through programmes on selected channel to display programme information on the screen or to book timer for it. Press **GREEN** button to return to actual time EPG screen. Press **INFO** button to display detailed information for selected program. Press **PLAY** button to book the selected programme (timer will be set for this event). Press ⇨ to go back to viewing mode.

**NOTE:** Availability of EPG data depends on broadcaster.

## 6.9 Favourite channels

Use the **FAV** button to access your favourite channel groups. Using ◀▶ select created earlier one of available favourite groups. Use ▲ ▼ to select channel and press **OK** to start viewing it. Now you will navigate (switch channels with **CH+/-** or ▲ ▼ buttons) only within this group. To get access to channel outside this group or switch to another favourite group with **FAV** or **OK** button. Select *Tv List* in list of favourite channel groups to return to full channel list.

## 7. MAIN MENU





To enter the main menu, press **MENU** on your remote control. In the main menu you can manage channels, timers, specific receiver settings, get access to multimedia and receive useful information about the receiver, programmes, operator messages, etc.

The main menu contains the following chapters: *Channel, Multimedia, Installation, Settings* and *CAS*.





By entering the menu and pressing **MENU** or  buttons, you will level up within the menu or close it.

By pressing the  button you will exit the menu.





### 7.1 Channel

Use   to access the menu Channel, which includes the following submenus: *Electronic Program Guide, Channel manager, Favorite manager* and *Timers*. Use   to select the submenu and press **OK**.

#### 7.1.1 Channel manager





To edit your channel list *Delete, Lock, Move* or *Rename*, select *Channel manager* and press **OK**. You will be asked to enter a PIN code to continue. (default PIN 0000). Use   to select channel you like to edit. Use the  button to return to the previous step. Press  to exit the menu and to go back to the viewing mode.

#### Deleting of TV / Radio programmes

1. By using   select channel you like to delete.
2. Press **RED Delete** button to mark this channel.
3. If you like to delete more channels, repeat these steps.
4. To switch from TV to Radio list. Press **TV/R** Button.
5. Press  or  to confirm or cancel your changes and exit the deleting mode.

#### Locking TV programmes

You can lock selected programmes for restricted view protected with PIN.

1. By using   select channel you like to protect.
2. Press **GREEN Lock** button to mark this channel and press again to unlock.
3. If you like to lock more channels, repeat these steps.
4. To switch from TV to Radio list. Press **TV/R** Button.
5. Press  or  to confirm or cancel your changes.







To view the locked programme, you need to enter a PIN code. We recommend you to change the default PIN code and enter a new PIN code. Refer to chapter **7.2.3** for more details.

#### Moving TV programmes

This receiver comes with pre-installed channel list and channel list from Operator.

These channels are automatic sorted by LCN mechnisch. (Logic Channel Numbers).

Channels can be sorted if you like but do not use numbers which are already occupied.

1. By using   select channel you like to move.
2. Press **YELLOW Move** button to mark this channel.
3. Banner will pop-up to enter new LCN channel number.
4. By using   select a digit which will light-up and enter number.
5. Confirm with **OK** to program this new channel number.
6. If you like to move more channels, repeat these steps.
7. To switch from TV to Radio list. Press **TV/R** Button.
8. Press  or  to confirm or cancel your changes.

Pre-installed range = 1 to 99 Operator range = 100 to up to 1799      Other range = 1800 and up.

## 7.1.2 Favorite manager

In the *Favorite manager* menu you can create channel list with your favorite channels into a list. There are 8 Favorite list groups available.

1. By using ▲ ▼ select channel you like to add into Favorite 1 group list.
2. If you like to add more channels, repeat these steps.
3. Press ► and by using ▲ ▼ select another Favorite group list is you want.
4. Press ◀ to go back to channel selection to select channels.
5. To switch from TV to Radio list. Press TV/R Button.
6. Press ◀ or ▶ to confirm or cancel your changes.

To use these Favorite channel list groups, just press **FAV** button in viewing mode. Use ◀ ▶ to select between other favorite list, TV/Radio and satellite lists.

## 7.1.3 Timer

This submenu allows you to automatically switch to the defined channels at a particular date and time and to turn the receiver **ON** and **OFF** based on scheduled events. Timers can be set via the EPG (recommended and most convenient).

However, you can set timers manually in this submenu. In the submenu *Timers* a summary of all timers will be displayed: *Number, Channel Name, Date, Starting time, Duration* and *Timer status*.

Press **BLUE add** to book a new timer or **YELLOW Edit** to edit an existing one.

- Timer cycle:* If no timer was booked yet, this parameter is set to *Once*  
Option *Once* means that the timer will be executed once, after it will be removed from the timer list.  
Option *Every day* – the timer will run each working day of the week at a specified time (Start Time field).  
Option *Individual* – the timer will on selected day at a specified time (Start Time field).
- Weekly:* Select a day or more days of event to happen during timer activation. Press **OK** to access the weekly list. Use ▲ ▼ to select a day of week and press **OK** to select.  
Press ◀ or ▶ to confirm.
- Timer type:* Select *Play* to wakeup and start Timer. Select *Sleep* to switch to standby at this programmed time.
- Start Date:* Select the date of the timer start. Date format *dd.mm.yyyy*.  
Press **OK** to access the calendar and use navigation buttons to select the date.
- Start Time:* Enter the time of the timer activation. Time format *hh:mm*.  
Use the numeric buttons on remote to enter time.
- Duration:* Show the time interval of the timer activation. Time format *hh:mm*.
- Channel:* Press **OK** to access the channel list, use ▲ ▼ to select a channel and press **OK** to confirm.  
The name of this channel will appear in the option field.
- Reminder:* Before timer start you can get reminder message before in play modes.  
Press **OK** to select time.

## 7.1.4 Electronic Program Guide (EPG)

Please refer to section 6.8 above.

## 7.2 Multimedia

In this menu you can playback video and music files and view pictures.

Use ◀ ▶ to access the menu *Multimedia*, which includes the following submenus: *Pictures, Music* and *Movie*.

Use ▲ ▼ to select the submenu and press **OK**. Use ▲ ▼ to select a folder or file you want to playback and

press **OK** to open or start the playback. Use **▶ || ■ ◀▶▶** to control the playback of multimedia files. Use the **↶** button to return to the previous step. Press **↷** to exit the menu and to go back to the viewing mode.

**NOTE:** Before you use the multimedia functions of your receiver, please make sure that your USB storage device is properly connected to the receiver and that it is formatted in the required file system.

## 7.2.1 Pictures

### Buttons to use:

- OK** Playback the selected file.
- ◀▶** Select the Previous/Next picture.
- BLUE** Select dia show with fader options.
- RED** Roted picture.

## 7.2.2 Music

### Buttons to use:

- OK** Playback the selected file.
- VOL+/-** Adjust the volume control.
- INFO** Displays the play mode - change the playback options regarding the playback sequence.
- YELLOW** Jump to selected time in movie.
- ↶** Exit player

## 7.2.3 Movies

### Buttons to use in playback preview mode:

- OK** Call play banner / confirm choice.
- ◀▶** Nagiation in play banner.
- INFO** Get additional information about the video file.
- VOL+/-** Adjust the volume control.
- YELLOW** Jump to selected time in movie.
- ↶** Exit player

## 7.3 Installation

Use **◀▶** to access the menu Installation, which includes the following submenus: *HD+ Channel scan, Preinstalled channels, HD+ Channel Restore, Manual scan, Satellite edit* and *TS information*. Use **▲ ▼** to select the submenu and press **OK**.

### 7.3.1 HD+ Channel scan

If you like to add or update the channel list from operator. Select this menu item and start with **OK**. The receiver with search for channel list on the connected satellite. If it is found it will display the list in banner. Please, select the available channel list of choice and confirm with **OK** to install.

**NOTE:** Make sure the correct satellite is connected to enenable to receive operator list(s).

### 7.3.2 Preinstalled channels

This receiver comes with preinstalled channel list for Germany which can be received from ASTRA 19.2 satellite. This list is loaded in the software self and can be installed in range from channel number range 1 up to 99. If you like to add or restore this preinstalled channel list. Select this menu item and start with **OK**. List will beloaded and is ready for us.

**NOTE:** Channels can be change, move to other frequency or gone in future and can lead to non reception.

### 7.3.3 HD+ Channel Restore

If you like only to restore the channel list from operator. Select this menu item and start with **OK**. The receiver will restore channel list including the channel order automatically now.

### 7.3.4 Manual scan

This menu item allows you to install channels from specific Satellite and Fequency / Transponder. Use ▲ ▼ to select required parameters. Use ◀ ▶ to change option values or **OK** to select it from the list. Use the ↶ button to return to the previous step. Press ↷ to exit the menu and to go back to the viewing mode.

*Satellite:* Select a satellite to be configured and scanned.  
*Transponder:* Select one of the available transponders.

The *Signal Strength* and *Signal Quality* indicators on the 2nd half of the screen will help you to make sure that you get the signal with the selected parameters, as well as to adjust the antenna if necessary. Press **OK** to scan the selected satellite signal. A window with the scan progress will be appear.

### 7.3.5 Satellite edit

This menu item allows you to install channels from specific Satellite(s) and to set up your antenna dish installations parameters.

Use ▲ ▼ to select satellite. Use ◀ ▶ to change option values or **OK** to select it from the list. Press **GREEN** button to add new satellite or Transponder. Press **BLUE** button to open LNB settings menu. Use the ↶ button to return to the previous step. Press ↷ to exit the menu and to go back to the viewing mode.

*Satellite:* Select a satellite to be configured and /or scanned.  
*Transponder:* Select one of the available transponders of the chosen satellites in order to check your reception or align the antenna.  
*DiSEqC* Select which antenna system is used.  
Options are: *Off, Tone Burst, DiSEqC1.0, DiSEqC1.1, Sat CR* and *dCss* system.  
*Tone Burst:* Set the tone control of your LNB. Available options: *Off, Tone-A, Tone-B*  
*DiSEqC port:* Select the correct port of the corresponding LNB.  
Available options: *Off, LNB 1, ..., LNB 4*  
*Unicable Channel:* Select the correct channel of the corresponding LNB system.  
Available options: *CH\_1 1210, ..., Ch 8...more.*  
*LNB Power:* Set the LNB power *On* or *Off*. (Default set to *On*).

The *Signal Strength* and *Signal Quality* indicators on the 2nd half of the screen will help you to make sure that you get the signal with the selected parameters, as well as to adjust the antenna if necessary.

### SatCR

If a SatCR LNB is used, please refer to the manual of the respective LNB to obtain technical data on user bands numbers and corresponding frequencies.

**NOTE:**

- SatCR can only work in combination with an optional multi-output (max. 8) satellite splitter and a SatCR LNB, an example is HUMAX type SRT L780 (max. 4 users).
- SatCR cannot be combined with any other DiSEqC function. SatCR systems are mainly installed by professional experts.

## 7.3.6 TS information

Select to check signal quality of antenna dish system with real technical details.

Use ▲ ▼ to select Frequency /Transponder from ASTRA 19.2 satellite.

The *Signal Strength* and *Signal Quality* indicators will show you the levels of selection.

Above level indicators are shown MER in dB and BER: in error values.

This menu you can use to optimise the antenna dish and LNB angle.

## 7.4 Settings

Use ◀▶ to access the menu *Settings*, which includes the following submenus: *Language setting*, *Output setting*, *Interface setting*, *Time setting*, *Change password*, *Parental control*, *USB upgrade*, *Software Update (OTA)*, *Factory default* and *Information*.

Use ▲ ▼ to select the submenu and press **OK**. Use ◀▶ to change the value or **OK** to select it from the list.

Use the ⏪ button to return to the previous step. Press ⏩ to exit the menu and to go back to the viewing mode.

### 7.4.1 Language setting

*Menu Language:* Select the preferred language for the On-Screen display.

*Audio language:* Select the preferred audio language for watching TV channels. This setting allows you to define the default audio track or language.

Digital TV allows the operator to transmit more than one audio track or language.

If a channel has multiple audio tracks or languages, the receiver will select the suitable audio track automatically according to your selection.

If the language is not available, the default programme language will be used.

*Subtitle language:* Choose your preferred subtitle language or keep set to *Off*.

*Teletext language:* Set display character set to belonging language for tele text.

### 7.4.2 Output settings

This submenu allows you to set the output parameters of the receiver according to a connected TV set and to the audio amplifier (if applicable).

*Tv display:* Select an aspect ratio depending on your TV set screen format. Available options: *Auto*, *4:3* or *16:9* formats.

*Resolution:* Select the screen resolution according to the characteristics and supported modes of your TV set. Available options: *576i*, *576p*, *720p*, *1080i* and *1080p*.

**NOTE:** Experiment with the settings to find the options that suit the best for you. You can change the parameters of the viewing mode by pressing **OPT**.

*Audio output:* Adjust this setting in accordance to the connected audio equipment. Set the *BitStream* option to bypass original audio bitstream through S/PDIF to a connected audio equipment that can decode complex digital audio formats. Set the *PCM* option to convert complex digital audio formats supported by the receiver to STEREO audio and pass it to the S/PDIF output.

*SCART:* This setting is only relevant when the receiver is connected to the TV set via SCART. Select *RGB* for the best picture quality or *CVBS* if your TV does not support *RGB*.



**HDCP:** Available options: *On* or *Off*, please see the note below.

**NOTE:** HDCP (High Definition Content Protection) is set to *On* to default as nowadays all TV sets with an HDMI connector support HDCP. If you face problems with the HDMI connection, you can deactivate HDCP, which allows watching via HDMI without problems. Please consider that movies which are broadcasted with an extra content protection might not be shown when HDCP is set to *Off*.

## 7.4.3 Interface setting

This submenu provides options to adjust the OSD transparency, Banner time and Auto Standby settings.

**OSD transparency:** Select the level of on screen menu transparency. Selections are 0% ~ 80 %

**Banner time out:** Select the info and zap banner time to display on screen. Selections are 03 ~ 30 seconds

**Auto standby:** Define the period of time of the receiver automatically switching to Standby mode if no commands have been received from the remote control. Available options: *off*, 30 min, 1 Hour, 2 Hours, 3 Hours (default value), ..., 12 Hours.

## 7.4.4 Time setting

This submenu provides to watch the time and date settings. The Time is automatically set from ASTRA 19.2 satellite. Manual adjustment cannot be done.

## 7.4.5 Change password

Menu to set or change PIN codes for Parental control of receiver and smartcard.

**STB:** To change the PIN code of your receiver.

**Smart Card:** To change the PIN code of your smartcard. This function is only available while the smartcard is inserted.

**NOTE:** To change the PIN code, you must know the previous PIN code. Then you can enter and confirm the new PIN code.

**WARNING:** You only have 3 (!) attempts to enter the correct active PIN code from HD+ smart card. If you exceed this quantity, you have to contact your operator for help.

## 7.4.6 Parental control

This submenu allows you to control the blocking of certain programmes from unrestricted viewing, access to certain menu options and usage of the EPG based on parental rating system if supported by the local broadcast. Before entering this submenu, you must enter the correct PIN code. The default value is **0000**.

**Parental rating:** The default value is set to *Off*. Select one of the age levels to protect content with higher level with PIN code.

Available options: *6 years old*, *8 years old*, ..., *18 years old*.

## 7.4.7 USB upgrade

This submenu allows to update your receiver with last improved software version through USB.

Check time-to-time our website under this model number if there USB update available.

Download the software to your computer. Unzip the file into folder and you will find file with name "dts8217.udl". Copy the file to USB pen formatted in FAT32 format. Insert USB pen into your receiver and select this item. Follow the instruction on screen.

**WARNING:**

- Do not take any action during the update procedure if the receiver has not restarted yet or if an error message appears.
- Do not disconnect the receiver from the mains nor switch off until the software update has been completed.

## 7.4.8 OTA upgrade (manual)

This submenu allows to update your receiver with last improved software version trough air from satellite signal. OTA = (Over The Air). Normally will the receiver detect automatically if software is available. In some cases, will be software available on other frequencies / transponders when there technical need to change automatic way. The needed information where this is broadcasted will be available on our website or you can find out via your local support or dealer whether there is a new software version broadcasted.

*Satellite name:* Default is "Astra 19.2 E" satellite. Select with ◀ ▶ other the satellite if it is recommended.

*Transponder:* Select with ◀ ▶ the recommended transponder.

*Download PID:* Enter with numeric keys the recommended value.

Press **RED** to start the OTA upgrade procedure.

**WARNING:**

- Do not take any action during the update procedure if the receiver has not restarted yet or if an error message appears.
- Do not disconnect the receiver from the mains nor switch off until the software update has been completed.

## 7.4.9 Software Update (OTA)

Your receiver can automatically update the software via digital broadcast.

If a new software is available, the new version will be shown on screen as message. Confirm to start the updating procedure from the broadcasting signal.

**NOTE:** If the operator forces the software update procedure while you are watching TV or radio channels, the receiver can automatically switch to update mode.

During software update procedure the receiver will enter the update mode and will show the *Software update* screen, which contains information about your current and new software versions and further reference details. During update procedure the progress bar will inform you about the remaining time. After finishing the software update, the receiver will reboot automatically and tune to the last viewed channel.

**WARNING:**

- Do not take any action during the update procedure, if the receiver has not restarted yet or if an error message appears.
- Do not disconnect the receiver from the mains nor switch off until the software update has been completed.

## 7.4.10 Factory default

This submenu allows you to reset your receiver to the default factory settings. You will be asked to enter the PIN code (default PIN code is **0000**). Select **OK** to delete all settings and channels. Press **OK** to confirm.

**WARNING:** A factory reset will permanently delete all your personal settings, timers and stored channels. Please consider this before you perform a factory reset. Please use this option with caution.



## 7.4.11 Information

This submenu shows all receiver related information hardware and software version. It also displays technical information from CASN ID.

Please refer to the information given on screen when you call a hotline support. The support center employee might ask for the information given on screen.

## 7.5 CAS INFO



### Smartcard Information



This menu section is only accessible when an HD+ smartcard is inserted into the receiver. It provides information about the HD+ smartcard and status of credit. Please consult your installer or card provider for information regarding the usage of your HD+ smartcard.

**NOTE:** Always make sure to insert the smartcard with the golden chip facing down.

### Mail List

This submenu allows you to read messages from the operator.

**NOTE:** Messages from the operator will be displayed at the upper left corner of the TV screen, showing the  icon. Press  on the remote control or open the submenu to read the message.

Use the **▲ ▼** buttons to select the message and press **OK** to open and read it. Press **RED** to delete all messages from the list. Press **GREEN** to move up one page in the list. Press **YELLOW** to move down one page in the list. Press **BLUE** to delete the selected message. Press  button to return to previous step. Press  to exit the menu and go back to viewing mode.

## A1 TROUBLESHOOTING

There may be various reasons for faulty operation of the receiver. Please check the receiver according to the procedures shown below. If the receiver does not work properly after checking it, please contact your local service line or dealer. Alternatively, you can send a support e-mail via our website.

NEVER open or disassemble your receiver. This may cause a dangerous situation and will void the warranty.

Problem	Possible cause	What to do
The standby indicator does not light up	The mains lead is unplugged/the multipoint connector is switched off.	Check the mains lead/switch the multipoint connector on.
There is no image, no sound, no display	There is no power supply	Check the connection cables
	Cables are missing or defective.	Check your connecting cables
	A wrong video format was selected in the OSD settings	Check the settings to make sure your TV supports the selected format
There are small blocks in the video, occasionally no sound, occasionally no signal	The signal is too weak	Check for defective cables or connectors. Alternatively, reduce the coaxial cable length
Scrambled channel message	The channel is scrambled.	Select an alternative channel.
No response to remote control	The receiver is off.	Plug in and turn on the plug.
	The handset is not aimed correctly.	Aim the handset at the IR sensor.
	The IR sensor is obstructed.	Check for obstructions.
	The handset batteries are exhausted.	Replace the handset batteries.
Password forgotten	The default password is 0000	Contact the local Service Hotline or send an email to our support
The external USB HDD does not start.	The power consumption is too high.	Connect an extra power supply adapter to your USB HDD device.
The receiver switches to standby automatically.	The Auto Standby function is activated and has reached the set time (default 3 hours).	Set the power down time or disable it in the SettingsTime Setting menu, parameter Auto Standby After.

## A.2 SPECIFICATIONS

### Demodulator

Demodulation:

QPSK, 8PSK

Input symbol rate:

DVB-S QPSK: 1 ~ 45 Ms/s

DVB-S2 8PSK/QPSK: 1 ~ 45 Ms/s

FEC decoder:

Auto, 1/2, 2/3, 3/4, 5/6, 7/8 in DVB-S mode

1/4, 1/3, 2/5, 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 in DVB-S2 QPSK mode

3/5, 2/3, 3/4, 5/6, 8/9, 9/10 in DVB-S2 8PSK mode

### Video

Max. video resolution:

1920x1080p

Aspect ratio: 4:3 and 16:9, Pan & Scan Automatic adjustment for 16:9 TV sets,  
Letterbox supported  
Video resolution: PAL: 576i/p, 720p, 1080i, 1080p over HDMI surface

## Audio

Audio mode: Mono L/R, Stereo  
Audio support: Dolby® Digital, Dolby® Digital Plus\*, PCM  
Transcoding to S/PDIF: Dolby Digital Plus to Dolby Digital or PCM

\*Dolby Digital Plus and the double-D symbol are registered trademarks of Dolby Laboratories

## Tuner

Type: Type 1 F Type, IEC169-24, Female  
Input frequency range: 950 – 2150 MHz  
RF impedance: 75 Ohm unbalanced  
Signal level: -65 to -25 dBm  
LNB power: 13/18 V DC (+/- 1 V), max. 400 mA, overload protected  
DiSEqC version: 1.0, (SatCR) EN50494 (up to 8 Channel-IDs)

## System & memory

Main processor: Ali3515P (Nagra)  
Flash memory: 8 MB NOR Flash  
System memory: 128 MB DDR3

## Connectors

SAT IN  
S/PDIF (coax.)  
HDMI  
TV Scart  
Power adapter (12 V/1.5 A)  
USB 2.0 port, Type A: 5 V/500 mA (max.) supported

## General Data

Power supply: AC 100 - 240 V 50/60 Hz  
Input voltage: DC 12 V, 1.5 A\*  
Power consumption: max. 18 W, typ. 5 W  
Power consumption in standby: max 0.4 W  
Operating temperature: 0 ~ +40 °C  
Storage temperature: -10 ~ +50 °C  
Operating humidity range: 10 ~ 85% RH, non-condensing  
Size (W x D x H) in mm: 169 x 110 x 40  
Weight in kg: 0,36