

**HUMAX**

# User Manual

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HD Digital Satellite Receiver

**Model : B1**

## Notice

Thank you for purchasing a HUMAX product. Please read this user's manual carefully to be able to safely install, use and maintain the product at maximum performance. Keep this user's manual next to your product for future reference. The information in this user's manual is subject to change without notice.

### Copyright (Copyright © 2017 HUMAX Corporation)

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### 'WEEE' Instructions

This product should not be disposed with other household wastes at the end of its working life. Please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources. This will prevent possible harm to the environment or human health from uncontrolled waste disposal.

#### Domestic users:

Please contact either the retailer where you purchased this product or their local government office for details of where and how they can take this item for environmentally safe recycling.

#### Business users:

Contact your supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

## Trademarks

- Nagravision is a registered trademark of KUDELSKI S.A.
- Manufactured under license from Dolby Laboratories. Dolby, Dolby Audio and the double-D symbol are trademarks of Dolby Laboratories.
- HDMI, the HDMI Logo, and High-Definition Multimedia interface are trademarks and registered trademarks of HDMI Licensing LLC.



This item incorporates copy protection technology that is protected by U.S. patents and other intellectual property rights of Rovi Corporation. Reverse engineering and disassembly are prohibited.

**Note:** The model name is located on the bottom of this product.

### EU regulatory conformance

Hereby, HUMAX Co., Ltd, declares that this B1 is in compliance with the related Directives

The product carries the CE mark applied onto it.



The full text of the EU declaration of conformity is available at the following internet address:

- United Kingdom : <http://uk.humaxdigital.com/ec>
- Germany : <http://de.humaxdigital.com/ec>

# For Your Safety

## Safety Instructions

### 1. POWER SUPPLY

- Operate this product only from the type of power supply shown on the marking label. If you do not know the type of power supplied to your home, contact your local power company.
- Disconnect the power supply before you start any maintenance or installation procedures.

### 2. OVERLOADING

- Make sure that the wall outlet, extension cord and adapter have a sufficient power rating for the appliance. If not, this can cause an electric shock or fire.

### 3. LIQUID

- Do not expose this product to liquids. Do not put objects filled with liquid on the product.

### 4. CLEANING

- Disconnect the product from the wall outlet before you clean it.
- Use a moist cloth to clean the product. Do not use solvents. Wipe the surface gently with a soft cloth as it may get scratched.

### 5. VENTILATION

- Make sure that the slots on top of the product are not blocked. It is necessary to have a sufficient airflow into the unit.
- Do not put electronic equipment on the product.
- Do not put objects on the product. This will block the ventilation or cause damage to the surface.
- Maintain a minimum distance of 10cm around the product for sufficient ventilation.

### 6. ATTACHMENTS

- Do not use any unsupported attachments as these may be hazardous or cause damage to the product.

### 7. LIGHTNING, STORM OR NOT IN USE

- Unplug the product from the wall outlet and disconnect the antenna during a thunderstorm or when left unattended and unused for long periods of time. This will prevent damage to the unit due to lightning and power-surges.

### 8. EXTRANEIOUS OBJECTS

- Do not insert anything through the openings in the unit, where they can touch dangerous voltage points or damage parts.

### 9. REPLACEMENT OF PARTS

- When replacement of parts is required, be sure the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original part. Unauthorised substitution may result in additional damage to the unit.

### 10. CONNECTION TO THE SATELLITE DISH

- Disconnect the power supply before you connect or disconnect the cable from the satellite dish/cable TV signal/aerial. If not, this can cause damage to the LNB/cable TV line/aerial.

### 11. CONNECTION TO THE TV

- Disconnect the power supply before you connect or disconnect the cable from the TV. If not, this can cause damage to the TV.

### 12. EARTHING (satellite only)

- Earth the LNB cable to the system earth for the satellite dish.

### 13. LOCATION

- Place the product indoors to avoid exposure to lightning, rain or sun. Do not place it near a radiator or heat register.
- Keep at least 10 cm clearance from any other appliances susceptible to electromagnetic influences such as a TV or a VCR.
- If you place the product on a rack or a bookcase, make sure that there is adequate ventilation and that you have followed the manufacturer's instructions for mounting.
- Do not place the product on an unstable surface where it can fall. A falling product can cause serious injury to a personnel and serious damage to the appliance.

### 14. ENVIRONMENT

- Attention should be drawn to the environmental aspects of battery disposal.
- Care is required for the use of this apparatus in tropical and/or moderate climates.

## Cautions and Warnings

### 1. To avoid damage of the power adaptor

- Do not modify or process the power cord or plug arbitrarily.
- Do not bend or twist the power cord.
- Make sure to disconnect the power cord while you hold the plug.
- Keep heating appliances as far as possible from the power cord to prevent the cover vinyl from melting.
- The mains plug, as a disconnection device, shall remain readily accessible by the user.
- All-pole main switch shall remain readily operable. (For products with power switch)

### 2. To avoid electrical shock

- Do not open the main body.
- Do not insert metal or inflammable objects inside the product.
- Do not touch the power plug with wet hands.
- Disconnect the power cord in case of lightning.
- Unplug the power cable before you install the antenna cable.

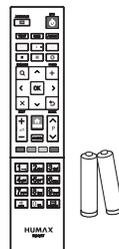
### 3. To avoid damage of product

- Do not use the product when it is out of order. If you continue to use the product when defective, this may cause serious damage. Make sure to contact the customer service centre if the product is out of order.
- Do not insert metal or alien substance into the slots for the modules or Smartcards. It may cause damage to the product and reduce its life span.
- Do not overly pile objects on the product. It may cause cracks, deformation and discoloration.

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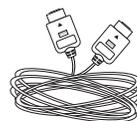
# Accessories



Remote Control  
/ Batteries



Quick Start Guide



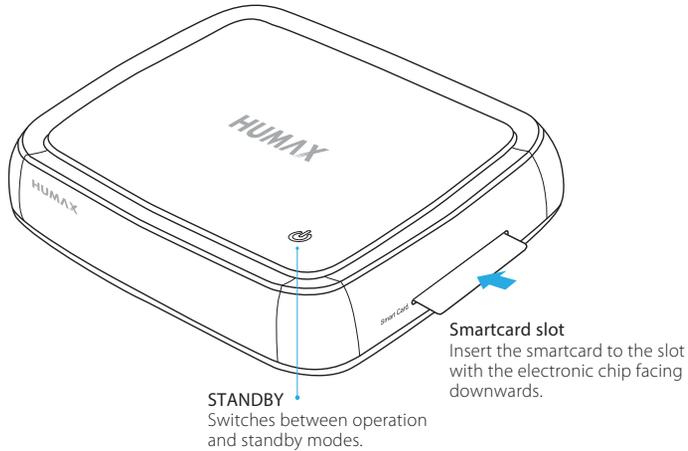
HDMI Cable



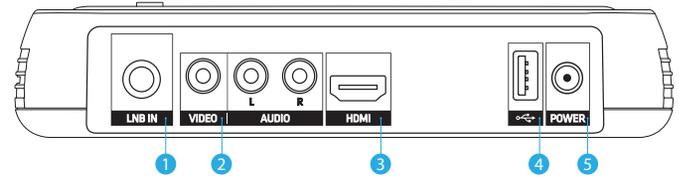
Adaptor

**Note:** Accessories may vary according to area.

## Front & Rear



**Note:** The image may differ from the actual product.

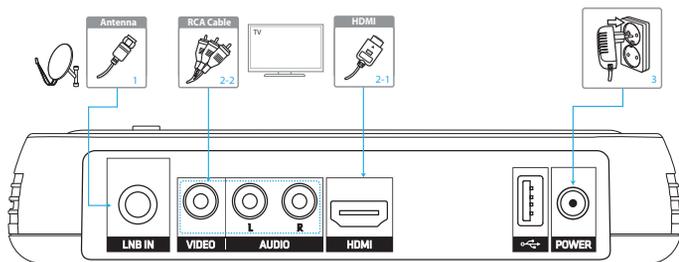


- 1 **LNB IN:** Connect a satellite antenna cable.
- 2 **VIDEO/AUDIO:** Use an RCA cable to connect to the TV.
- 3 **HDMI:** Use an HDMI cable to connect to the TV.
- 4 **USB:** Connect a USB storage device.
- 5 **AC Adaptor:** Use the AC adaptor to connect to the power supply.

## Connections

This section describes how to connect your product to match your particular devices and to gain optimum signal quality.

**Warning:** Connect all devices before you plug any power cords into the wall outlet. Always turn off the product, TV and other devices before you connect or disconnect any cables.



### Note:

- If you encounter any problems setting up your product, please contact your local retailer or HUMAX Customer Service.
- Connecting your TV directly to the audio/video output of the product will assure a more vivid picture and enhance your viewing enjoyment.

## Connecting the Antenna

1 Connect the aerial to the LNB IN.

## Connecting the TV

2-1 Using an HDMI cable

For the best picture quality, use an HDMI cable to connect to the TV.

2-2 Using an RCA cable

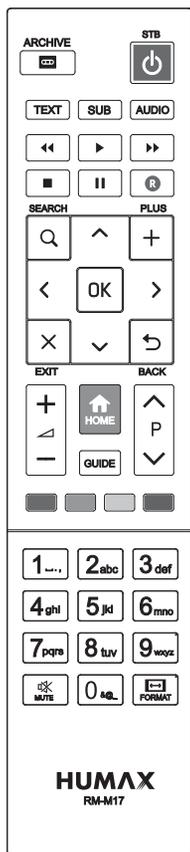
Using an RCA cable provides a lower resolution because the the HD signal cannot be transmitted.

**Note:** Programmes restricted by Digital Rights Management (DRM) may not be viewed via the HDMI cable. For such programmes, use a composite cable.

## Connecting the Power

3 Use the power adaptor to connect the power supply.

## Remote Control



|                          |   |
|--------------------------|---|
| STB                      | Switches between operation and standby modes          |
| ARCHIVE                  | Displays the recording list                           |
| TEXT                     | Enters the digital text service                       |
| SUB                      | Displays the subtitle language list                   |
| AUDIO                    | Displays the audio list                               |
| Playback Control Buttons | Fast Rewind, Play, Fast Forward, Stop, Pause, Record, |
| SEARCH                   | Runs Smart Search                                     |
| PLUS                     | Displays option menus                                 |
| ARROW                    | Moves the cursor up, down, left or right              |
| OK                       | Selects a menu or confirms the selection              |
| EXIT                     | Exits all On-Screen Display (OSD) screens             |
| BACK                     | Returns to the previous screen                        |
| ▲ +/-                    | Changes the audio volume                              |
| HOME                     | Displays the HOME menu                                |
| GUIDE                    | Displays the programme guide                          |
| P ▲/▼                    | Changes the channel or page                           |
| COLOUR Buttons           | For interactive service in teletext                   |
| NUMERIC                  | (0-9)   |
| MUTE                     | Mutes audio   |
| FORMAT                   | Sets the display format                               |

### Inserting Batteries

Insert the batteries matching the plus(+) and minus(-) at each end.

## Wizard

The installation wizard operates automatically when you power on the product for the first time or do factory default in menu.

**Note:** If you exit the installation wizard without fully completing the channel searching procedure, you may not have all of the channels available. In this case, go to **HOME>SETTINGS>Channel Settings>Search Channels** and search for more channels.

### 1. Language

Select the appropriate language from the list.

### 2. Channel Search

Set the search options and then search channels. You can search channels automatically or manually. Save the found channels when the search is complete.

### 3. Result

The result of the installation wizard will show. Select **NEXT**.

## Home

You can go to the home menu by pressing the **HOME** button wherever you are. From the home menu, you can reach the main menus.

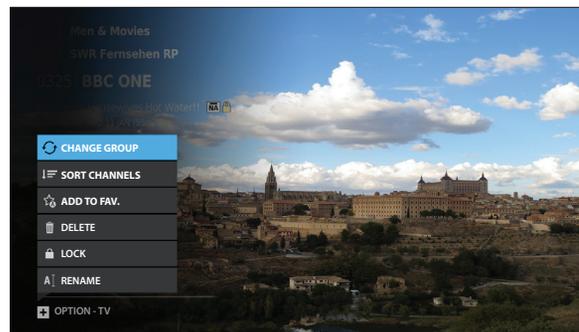
- Press the **</>** button to go to **CHANNEL LIST**, **TV GUIDE**, **ARCHIVE**, **MEDIA** or **SETTINGS**.



## Channel List

You can manage channels in the channel list.

To access the channel list menu, just press the **OK** button while watching live TV. Or, press the **HOME** button and select **CHANNEL LIST**.



## Changing Channels

You can change channels in several ways.

- Select a programme in the channel list and then press the **OK** button.
- Press the **P ▲/▼** button while watching live TV.
- Enter the channel number directly while watching live TV.

## Editing Channels

Select a channel in the channel list and press the **PLUS** button.

|                  |   |
|------------------|---|
| CHANGE GROUP     | List channels of another channel group.       |
| SORT CHANNELS    | List channels in alphabetic or numeric order. |
| ADD TO FAVOURITE | Add favourite channels.                       |
| DELETE           | Delete channels from channel list.            |
| LOCK/UNLOCK      | Lock channels to block access.                |
| RENAME           | Change channel name.                          |

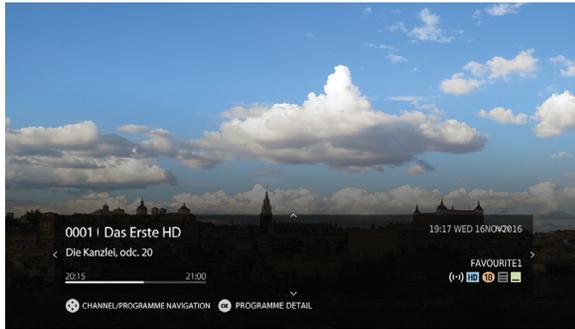
**Note:** You cannot delete or rename SES channels.

## Channel Information

You can see what's on later and schedule reminders or recordings for future programmes.

### Watching Channel Information

The channel information will be displayed whenever changing channels. To display it while watching live TV, press the  $\wedge/\vee/\langle/\rangle$  buttons.



## Watching Programme Detail

You can find out more about the programme you are watching.

1. Press the  $\wedge/\vee/\langle/\rangle$  buttons while watching live TV to display the channel information.
2. Press the **OK** button to display the programme detail. You can watch or record the current programme, or set reminders or recordings for future programmes.



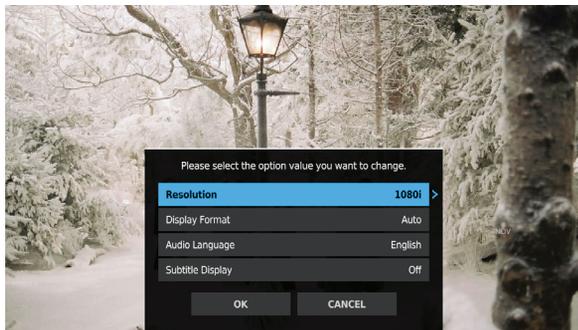
### Recording/Programme Icons

|  |                           |  |                        |
|--|---------------------------|--|------------------------|
|  | Playback possible         |  | Teletext               |
|  | Recording in progress     |  | Subtitle               |
|  | Reminder (Blue)           |  | Multiple audio         |
|  | Scheduled recording (Red) |  | Impossible to copy     |
|  | Recorded programme        |  | Expiration on watching |
|  | HD programme              |  | Impossible to record   |
|  | Minimum watching age      |  | Locked programme       |
|  | CAS programme             |  |                        |

## Setting TV Options

You can change the TV options such as resolution, display format, audio language and subtitle language.

Press the **PLUS** button while watching live TV.



## Past / Future Programmes

You can watch the recorded programmes and schedule reminders or recordings for future programmes.

**Note:** This function is available only when an external HDD is connected.

### Seeing What's on Later

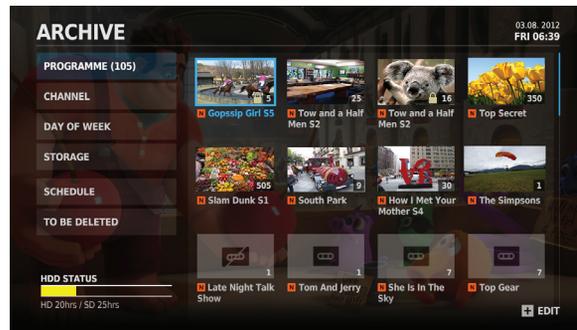
You can scan future programmes.

1. Press the **▲/▼/◀/▶** button to display the channel information.
2. Press the **>** button to see what's on later.
3. Select a programme and press the **OK** button. Programme detail appears. You can set recordings or reminders.

### Watching Recordings

You can watch recorded programmes.

1. Simply press the **ARCHIVE** button or go to **HOME > ARCHIVE**. You can see the list of recorded programmes.
2. Select a file and then press the **OK** button.



## Pausing and Rewinding Live TV (TSR)

Time Shifted Recording (TSR) allows you to pause a live programme and return later where you left off.

The TSR function temporarily records the programme you are watching to the hard disk drive automatically. TSR lasts for 90 minutes. To pause a live programme, wait for a few seconds after changing the channel.

### To pause the programme

1. Press the **PAUSE** button.
2. Press the **PLAY** button to watch from the pausing point.  
Pause makes a time gap between the live broadcasting point and watching point.



### To watch missed scenes

1. Press the **FAST REWIND** button.
2. Press the **PLAY** button at the point where you want to start watching.

### To skip scenes

Press the **FAST FORWARD** button when there is a time gap between the current watching point and the live broadcasting point.

If you reach the live broadcasting point while fast forwarding, the programme automatically plays at normal speed.

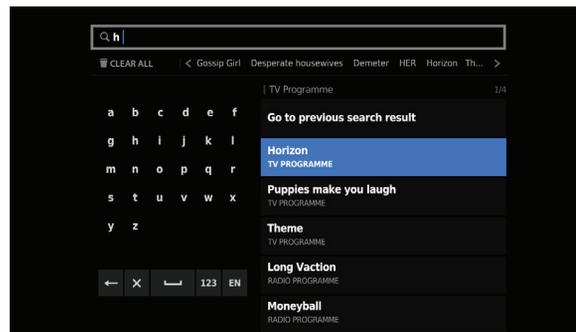
**Note:** Trick play may not be allowed for some programmes by broadcaster.  
This function is available only when an external HDD is connected.

## Smart Search

You can search programmes and look up related programmes.

1. Press the **SEARCH** button. A virtual keyboard will display.
2. Enter a keyword to list programmes. Whenever you enter a character, the search results will display.

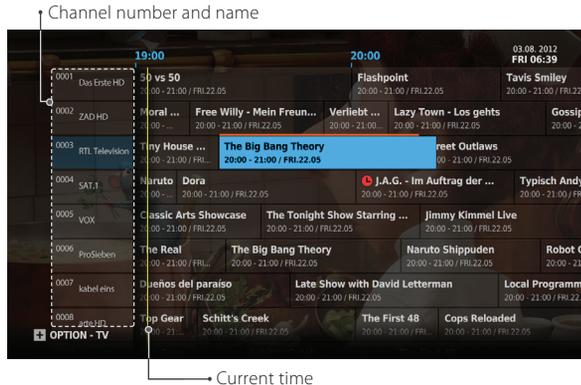
**Note:** Up to 10 search words are displayed for 24 hours. To delete the search history, select **CLEAR ALL** and then press the **OK** button.



## TV Guide

You can see the programme schedule of each channel, and schedule recordings or reminders for future programmes.

- Press the **GUIDE** button.
- Use the arrow buttons on the remote control to navigate in the Guide.
- Select a programme from **NEXT** or **RECORDINGS** and press the **OK** button to display the programme details.



## Watching Live TV

Select a current programme and press the **OK** button to watch live TV. You can enter the channel number directly.

### Note:

- Press the **P A/V** button to change a page.
- If the channel is locked, you will be prompted to enter your password. The default password is 0000. If you have forgotten your password, please contact your local distributor.

## Changing Channel Group

1. Press the **PLUS** button and select **CHANGE GROUP**.
2. Select the channel group and press the **OK** button. You can see the channels only in the group.

## Sorting Channels

1. Press the **PLUS** button and select **SORT CHANNEL**.
2. Select an option to list channels in either alphabetical or numerical order.

## Changing Programme Genre

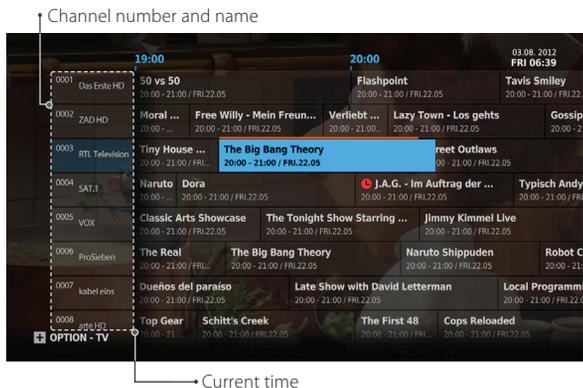
1. Press the **PLUS** button when the cursor is on a next programme.
2. Select a genre and press the **OK** button.

## Jumping to Date

1. Press the **PLUS** button and select **JUMP TO DATE**.
2. Select a date and press the **OK** button. You can also move to a certain date by long pressing the **</>** button.

## Seeing What's on Later

You can scan future programmes.  
Press the > button to see the next programmes.



## Setting Reminders or Recordings

1. Select a programme and press the **OK** button.
2. Select **RECORD THIS PROGRAMME** or **SET REMINDER** and press the **OK** button.

|  |           |  |                       |
|--|-----------|--|-----------------------|
|  | Reminder  |  | Recording in progress |
|  | Recording |  |                       |

**Note:** If the programme conflicts with another programme, adjust the scheduling appropriately.

You can record programmes instantly and schedule recordings in **TV Guide**, **Programme Detail** or **Recordings**. You can record a programme while watching live TV programme on your TV at the same time.

**Note:** This function is available on when an external storage device is connected to the product.  
Recording and watching two different channels at the same time is available only when the channels are from the same transponder.

## Connecting an External Hard Disk Drive

When you connect an external hard disk drive for the first time, you will be prompted to format the memory or assign it for recording purpose.

1. Connect the external hard disk drive to the USB port.  
The USB wizard pops up when the external hard disk drive is detected.
2. Select **PAIR** and press the **OK** button to use the external hard disk drive for recording purpose.

Formatting may take several minutes depending on the size of hard disk drive.

**Note:**

- You can purchase an external HDD as a separate accessory.
- It is recommended to use external hard disk drives under 1TB.

## Instant Recording

Press the **RECORD** button to record the current programme. Press the **STOP** button to stop recording.

### Extending recording duration

1. Press the **RECORD** button again while recording.
2. Set the duration manually or select till the end of the current or next programme.



#### Note:

- Recording will continue till the end of the current programme. If it ends within ten minutes, the recording will continue till the end of the next programme.
- Recording continues for two hours if there is no programme information.
- If a programme is DRM protected, you cannot record the programme.

## Scheduled Recording

You can schedule recordings in **TV Guide**, **Programme Detail** and **Archive**.

### TV Guide

1. Press the **HOME** button and select **TV GUIDE**.
2. Select a future programme and press the **RECORD** button.

**Note:** See page 24 for scheduling recordings or reminders in **TV GUIDE**.

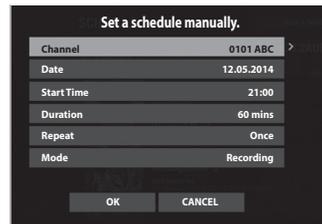
### Programme Detail

1. Press the **▲/▼/◀/▶** buttons while watching live TV. The channel information will display.
2. Press the **>** button and select a future programme. You can schedule a reminder or recording.

### Recordings

You can schedule recordings or reminders manually.

1. Press the **HOME** button. Select **ARCHIVE** and **SCHEDULES**.
2. Select **ADD A SCHEDULE**.
3. Set a schedule manually.
4. Select **OK** and press the **OK** button.



### Editing Schedule

You can delete or reschedule the scheduled programmes.

1. Press the **HOME** button. Select **ARCHIVE** and **SCHEDULES**.
2. Select a scheduled programme.
3. Press the **PLUS** button.
4. Select **Delete** or **Reschedule**.

**Note:** You can set the padding time to record programmes with extra recording time. Go to **HOME > SETTINGS > PVR Settings > Recording Options**.

# Recording Conflict

## Recording Conflict

A recording conflict occurs:

- **Case 1** when you try to start a new recording while another recording is in progress.
- **Case 2** when a new recording conflicts with the previously scheduled recordings. Select one of the recordings to cancel.

## Tuning Conflict

A tuner conflict occurs when a scheduled recording is about to start while you are watching another channel.

A record notice will pop up 30 seconds before the scheduled recording starts.

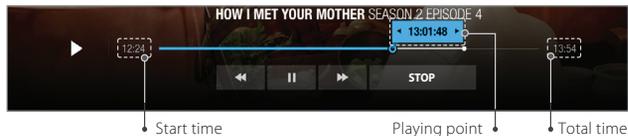
- **YES:** The channel will change at the start time and the recording will start.
- **NO:** The scheduled recording will be cancelled.

# Playing Recorded Programmes

You can play the recorded programmes in **RECORDINGS**.

Recordings are categorised by groups, **PROGRAMME**, **CHANNEL**, **DAY OF WEEK**, and **STORAGE** so that you can find easily the recordings you want.

## Playing Recordings



1. Press the **HOME** button. Select **ARCHIVE**.
2. Select a recording and press the **OK** button.
3. Select **PLAY THIS PROGRAMME** and press the **OK** button.  
You can delete the recording or record whole series if the programme is part of a series.
4. Press the **OK** or **PLAY** button during playback, the play bar appears.

## Playback Controls

|  |       |  |              |
|--|-------|--|--------------|
|  | Play  |  | Fast rewind  |
|  | Pause |  | Fast forward |
|  | Stop  |  |              |

### Note:

- The playback speed fasts up to twice whenever you press the fast forward button.
- You cannot play back the channels since the recording expired. The recording will be automatically deleted from the external HDD after its expiration date.

## Deleting Recordings

You can delete or keep the recordings from the oldest.

1. Press the **HOME** button. Select **ARCHIVE**.
2. Select **TO BE DELETED** and press the **OK** button. The recordings to be deleted are listed from the oldest.
3. Select a recording and press the **PLUS** button. You can keep or delete the recording.

You can play video, music, photo files from the connected storage device on your TV. Make sure that the external storage device is connected correctly. Press the **HOME** button. Select **MEDIA**.

## Direct Access to Media Files

1. Select **VIDEO**, **PHOTO** or **MUSIC**.
2. Select a storage.  
The recently played files appear.



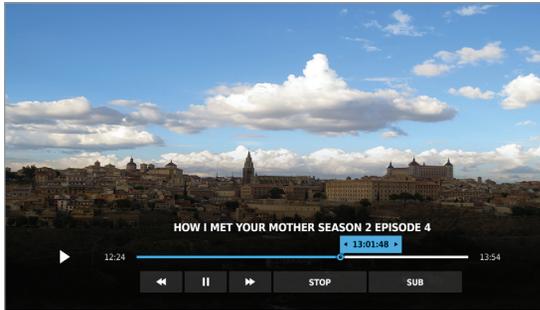
### Note:

- You cannot play the recently played files from the external storage which is already disconnected.
- HUMAX is not responsible for any data loss or file damage.
- Some playback control buttons may not function depending on the contents.
- Certain files may not play depending on file formats or video and audio codec.

# Playing Media Files

## Playing Video

Select a video file and press the OK button.



|  |       |  |                 |
|--|-------|--|-----------------|
|  | Play  |  | Fast rewind     |
|  | Pause |  | Fast forward    |
|  | Stop  |  | Subtitle option |

## Changing Subtitle Option

1. Select **SUB** when the play bar is on the screen.
2. Set the subtitle option.

## Playing Photo

Select a photo file and press the OK button. Photo slideshow starts.



|  |                |  |           |
|--|----------------|--|-----------|
|  | Play           |  | Pause     |
|  | Exit slideshow |  | Play mode |

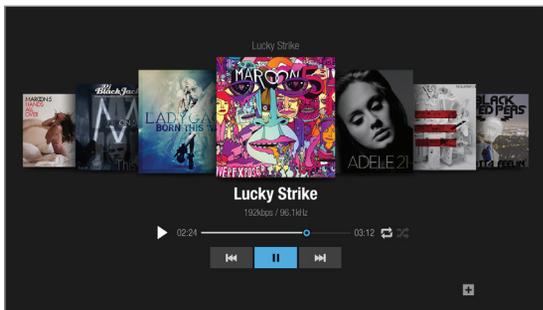
## Changing Play Mode

You can set the slideshow speed or background music during slideshow. Press the PLUS button.

- **Slideshow Speed:** Select the display time per photo in slideshow.
- **Play Music From Playlist:** Select **On** to play music files during slideshow. To play music during slideshow, music files should have been played ever.

## Playing Music

Select a music file and press the **OK** button. All files in the group will play successively.



|  |                   |  |           |
|--|-------------------|--|-----------|
|  | Play              |  | Pause     |
|  | Exit music player |  | Play mode |

## Changing Play Mode

You can set the playback options for listening to music. Press the **PLUS** button.

- **Repeat Option:** Set the repeat option in the playlist.
- **Play Mode:** Select **Normal** or **Shuffle**.

## General Settings

Press the **HOME** button. Select **SETTINGS** and then **General Settings**.

### Parental Control

- **Change Smartcard PIN code:** Enter a new Smartcard PIN code.
- **Change STB Password:** Enter a new password.

#### Note:

- Enter the password to view the blocked programmes.
- The default password is 0000. If you have forgotten your password, please contact your local distributor.

### Languages

You can set the system language, audio language or subtitle language.

### Video

- **Screen Ratio:** You can select the screen ratio of your TV.
- **Display Format:** You can select the display format according to the screen ratio of your TV.
- **Resolution:** You can set the resolution of the screen.

### Audio

- **HDMI:** You can select the digital audio signal for HDMI output.
- **Audio Type:** You can select the audio type.
- **Lip-Sync Delay:** You can adjust the sound difference between audio and video.

### On-Screen Display

- **Info Display Time:** You can set the duration the channel information bar is displayed whenever you change the channel.
- **Subtitle Font:** You can set the subtitle font.

## System Settings

Press the **HOME** button. Select **SETTINGS** and then **System Settings**.

### System Information

You can view the system information. Select **CHECK NEW SOFTWARE** to see if new software is available.

### Power Timer

You can set the time the product powers on or powers off.

### Power Management

- **Automatic Power Down:** Set the time to enter standby mode automatically if no user interaction occurs during the set time.
- **Power Saving in Standby:** Set to On to inactivate certain functions and reduce the power consumption in standby to below 0.5W.

**Note:** A message will display 2 minutes before the product enters standby mode. If you ignore this message, the product enters standby mode automatically.

### HDMI-CEC

If your TV supports HDMI CEC, you can turn on or off the TV or control the TV volume using the STB remote control.

- **TV Power Control:** Set to On to turn your TV on or off automatically when the product is turned on or off.
- **TV Volume Control:** Set to On to control your TV volume with the STB remote control.

### Smartcard Information

You can view the Smartcard information.

### Factory Default

You can restore your product to factory settings.

**Warning:** Note that once you perform factory default, all user configured data will be reset. Shortly after you complete the factory default, the installation wizard will appear automatically.

## PVR Settings

Press the **HOME** button. Select **SETTINGS** and then **PVR Settings**.

### Recording Options

You can set the recording padding time to add extra recording time to the start and end.

To free up space on the HDD, set **Auto Delete** to **On**. The recordings will be deleted automatically from the oldest if the HDD is almost full.

### Playback Options

- **Instant Replay Time:** Select the replay time.
- **Skip Forward Time:** Select the skip time.

### Storage

You can check the capacity of each storage.

You can format an external hard disk drive, and pair or unpair it for recording purpose.

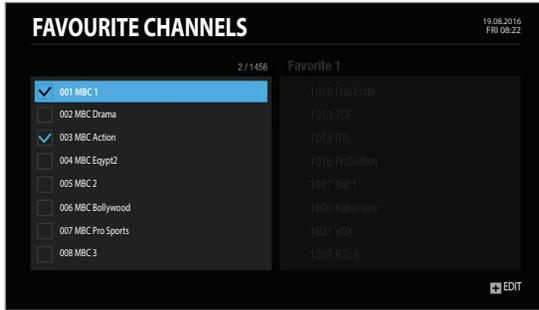
**Note:**

- All data in the storage will be deleted after formatting.
- Formatting and pairing are not available for a USB memory stick.

# Channel Settings

Press the HOME button. Select SETTINGS and then Channel Settings.

## Setting Favourite Channels



**Note:** Press the EXIT button to exit. Press the BACK button to return to the previous screen.

Select the channels from the left column and press the PLUS button.

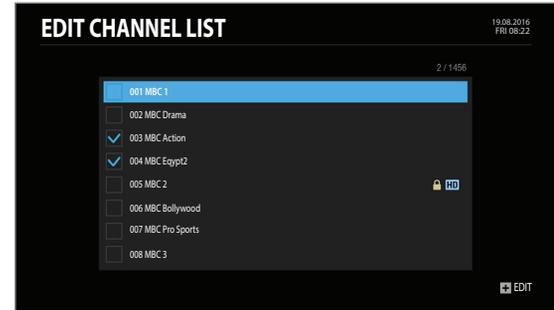
|                     |   |
|---------------------|---|
| ADD TO FAVOURITE    | Add to favourite channels.              |
| CHANGE GROUP        | List channels in another channel group. |
| SELECT/DESELECT ALL | Mark or release all channels.           |

Select the channels from the right column and press the PLUS button.

|                     |  |
|---------------------|--|
| REMOVE              | Remove from favourite group.             |
| MOVE                | Move the channel in the favourite group. |
| CHANGE FAVOURITE    | Change to another favourite group.       |
| RENAME FAVOURITE    | Rename the favourite group.              |
| SELECT/DESELECT ALL | Mark or release all channels.            |

## Editing Channel List

You can delete, lock or rename channels in the channel list.



Select a channel and press the PLUS button.

|                     |  |
|---------------------|--|
| DELETE              | Delete channels from channel list.                   |
| LOCK/UNLOCK         | Lock channels to block access.                       |
| RENAME              | Change channel name.                                 |
| MOVE                | Move the channel using the $\wedge$ / $\vee$ button. |
| CHANGE GROUP        | List channels of another channel group.              |
| SELECT/DESELECT ALL | Mark or release all channels.                        |

## Signal Test

You can check the signal strength and quality of the searched channels.

# Search Channels [Fixed Antenna]

Search Channels allows you to configure your antenna and search the TV and radio channels.

HOME > SETTINGS > Channel Settings > Search Channels

- 1 Press the **PLUS** button and select **Antenna Type**.  
Select **Fixed Antenna** and press the **OK** button.
- 2 Select **Switch Type** and select **LNB Only** or **DiSEqC**.
- 3 Select a satellite figure and press the **OK** button.
  - **Satellite:** Select the satellite.
  - **LNB Frequency:** Select the LNB frequency.
  - **DiSEqC:** Select the DiSEqC switch.
  - **Transponder:** Check the signal status of each transponder and select the one with the best quality.  
Select **OK**.
- 4 Select **Transponder** under the activated satellite figure and press the **OK** button.  
Select a value in the transponder list.
- 5 Select **SEARCH** and press the **OK** button. The found channels will be listed.
- 6 When the search is completed, select **SAVE** and press the **OK** button.

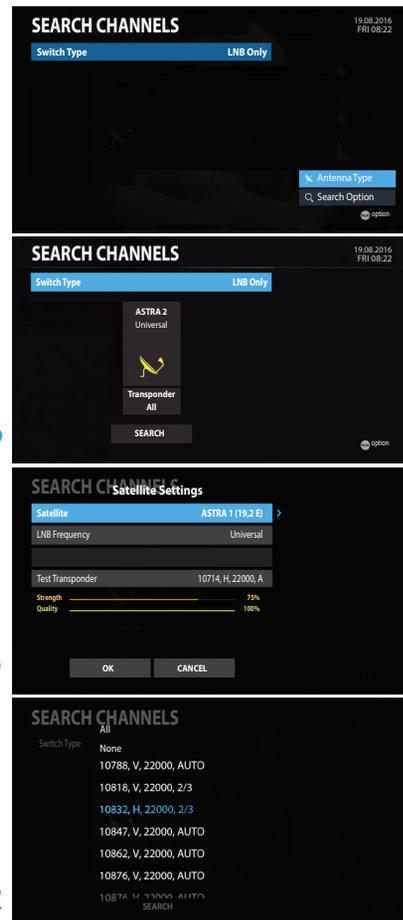
## Note:

- Select **User Define** to enter the options directly.
- Select **STOP** and press the **OK** button to stop the channel search.
- All channels will be deleted if you change the antenna type.
- The default password is 0000. If you have forgotten your password, please contact your local distributor.

## Changing Search Option

- **Network Search:** Select **On** to search more channels based on the network information of the selected transponder.
- **Scrambled Type:** All – FTA – CAS
- **Channel Type:** All – TV – Radio

Select **OK** and press the **OK** button.



# Search Channels [SCD Antenna]

**Single Cable Distribution** enables the delivery of broadcast programming over a single cable to multiple users eliminating the numerous cables required to support other electronics devices. If you are using more than one satellite set-top box, set one set-top box at a time and turn off the others while setting. Refer to the satellite antenna manual for details.

## HOME > SETTINGS > Channel Settings > Search Channels

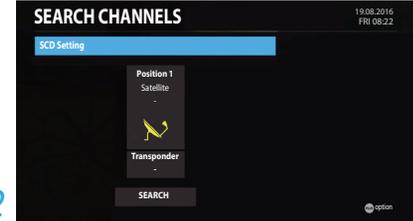
- 1 Press the **PLUS** button and select **Antenna Type**.  
Select **SCD Antenna** and press the **OK** button.
- 2 Select **SCD Setting** and press the **OK** button.
  - **Tuner:** Select Tuner 1.
  - **User Band:** Select from User Band 1~8.
  - **Band Frequency:** The frequency is set based on the channel of tuner.  
Select **OK**.
- 3 Select a satellite figure and press the **OK** button.
  - **Satellite:** Select the satellite.
  - **LNB Frequency:** Select the LNB frequency.
  - **Test Transponder:** Check the signal status of each transponder and select the one with the best quality.  
Select **OK**.
- 4 Select **Transponder** under the activated satellite figure and press the **OK** button.  
Select a value in the transponder list.
- 5 Repeat the steps above to set more satellites.
- 6 Select **SEARCH** and press the **OK** button. The found channels will be listed.
- 7 When the search is completed, select **SAVE** and press the **OK** button.

### Note:

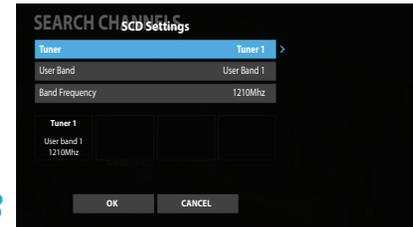
- Select **User Define** to enter the options directly.
- Select **STOP** and press the **OK** button to stop the channel search.
- All channels will be deleted if you change the antenna type.
- The default password is 0000. If you have forgotten your password, please contact your local distributor.
- The user band and band frequency of each tuner has to be set differently.



1



2



3



4

# Specification

| Tuner & Channel          |  |
|--------------------------|--|
| No. of Tuners            | 1  |
| Input Connector          | F-Type, IEC 169-24, Female, 1 x Input  |
| Frequency Range          | 950 MHz to 2150 MHz  |
| Signal Level             | -25~-69dBm   |
| LNB Power & Polarisation | Vertical: +13.3 V , Horizontal: +18.3 V<br>Current: MAX. 350 mA (overload protection)  |
| 22kHz Tone               | 22 kHz $\pm$ 4 kHz Tone  |
| DiSEqC Control           | 1.0, 1.2, USALS compatible   |
| Demodulation             | DVB-S2 - Compliant to EN302 307,<br>DVB-S - Compliant to EN300 421   |
| Input Symbol Rate        | DVB-S: 1 - 45Ms/s<br>DVB-S2: 2 - 45Ms/s(QPKS, 8PSK)  |
| FEC Mode                 | DVB-S: Auto, 1/2, 2/3, 3/4, 5/6, 7/8<br>DVB-S2: Auto, 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10(QPSK)<br>Auto, 3/5, 2/3, 3/4, 5/6, 8/9, 9/10(8PSK) |
| Video/Audio Processing   |  |
| Video Decoding           | MPEG2 (MP@HL), H.264 (HP@L4.2), H.265/HEVC<br>(Main, Main10 profile)   |
| Video Resolution         | 1080p/1080i/720p/576p/576i   |
| Audio Decoding           | MPEG1 Layer-I/II/III   |
| Audio Mode               | Single/Dual Mono/ Stereo/ Joint Stereo   |
| Memory                   |  |
| Flash Memory             | 256 MByte  |
| RAM                      | 512 MByte  |
| Audio/Video/Data In/Out  |  |
| Video                    | RCA-Type(CVBS), HDMI/HDCP  |
| Audio                    | Audio L/R  |

| Data In/Out            |                                       |
|------------------------|---------------------------------------|
| USB                    | USB 2.0 Host (5V $\equiv$ 500mA Max.) |
| Power Supply           |                                       |
| Power Type             | External power supply                 |
| Input                  | 100-240V ~, 50/60Hz                   |
| Output                 | 12 V $\equiv$ 1.5 A                   |
| Physical Specification |                                       |
| Size (WxDxH)           | 203 mm x 163 mm x 40 mm               |
| Weight (Net)           | 0.72 kg                               |
| Operating Temperature  | 0 °C to +40 °C                        |
| Storage Temperature    | -10 °C to +70 °C                      |
| Storage Humidity       | 5 %~100 %                             |

**Note:** The specifications are subject to change without notice.

## HUMAX Customer Support

Information concerning troubleshooting, software upgrade and product support is provided in the following website. Should your product require warranty service, please contact the customer service center of which telephone number is on the website.

|                |  |  |
|----------------|--|--|
| <b>Germany</b> | Tel:<br>Öffnungszeiten:<br>E-Mail:<br>Website:<br>Sprache: | 01806-778870 (€ 0,20/Min)<br>Mo-Fr 8:00 - 20:00 Uhr, Sa 10:00-18:00 Uhr<br>techinfo@humax-digital.de<br>www.humax-digital.de<br>Deutsch/Englisch |
|----------------|--|--|

**Note:** For hardware repair, please visit our website.

# Trouble Shooting

Before contacting the customer service center, make sure to read the tips below carefully. If the problem persists after you complete the following procedure, please contact HUMAX customer service for further instructions.

## General

| Problem   | Possible Cause  | What to Do   |
|---|---|--|
| <b>No picture<br/>(Nothing shows on the TV)</b> | HDMI cable not securely connected.  | <ul style="list-style-type: none"> <li>• Make sure that the product is powered on and in operation mode.</li> <li>• Make sure that the AV or HDMI cable is firmly connected to the TV.</li> <li>• Check the brightness level of the TV.</li> <li>• Check if the channel is currently on air. Contact the broadcaster to ensure that the channel is running.</li> <li>• Check if the input source of your TV is set for the AV or HDMI depending on how your product is connected to the TV.</li> </ul>   |
| <b>No picture<br/>(No channels)</b>             | Antenna is disconnected.<br>Antenna is damaged/misaligned.<br>Out of digital signal area.<br>Antenna is not positioned. | <ul style="list-style-type: none"> <li>• Make sure that the product is powered on and in operation mode. Press the <b>STANDBY</b> button.</li> <li>• Make sure that the AV or HDMI is firmly connected to the TV.</li> <li>• Make sure that the antenna cable is properly connected to the product.</li> <li>• Press the Input or Source button on the TV remote and select AV or HDMI mode depending on how your product is connected to the TV.</li> <li>• Search channels again. Go to <b>HOME &gt; SETTINGS &gt; Channel Settings &gt; Search Channels</b>.</li> <li>• Check if the channel is currently on air. Contact the broadcaster to ensure that the channel is running.</li> </ul> |
| <b>Poor Picture<br/>Sound quality</b>           | Electro magnetics from electronic devices around the product can cause the issue.<br>Poor/faulty HDMI cable             | <ul style="list-style-type: none"> <li>• Make sure there is no mobile phone or microwave oven near the product.</li> <li>• Keep the power and the RF cables apart from each other.</li> <li>• Adjust the antenna direction to get a better picture.</li> </ul> <p><b>Note:</b> If the antenna is covered with snow, the RF is weakened by heavy rain, or the antenna position is changed by strong wind, the condition of the sound and picture may temporarily be poor. However, the poor sound and picture quality due to weather conditions cannot be accepted as a malfunction of product.</p>   |
| <b>No sound</b>                                 | AV/HDMI cables are not connected properly or faulty.<br>Volume is set to minimum or mute.                               | <ul style="list-style-type: none"> <li>• Check that your AV or HDMI cable is connected correctly.</li> <li>• Check the volume levels of your TV and the product.</li> <li>• Check if the product or TV is on mute.</li> <li>• Check audio type or soundtrack option. (where applicable)</li> </ul>   |
| <b>No response to remote control</b>            | Low batteries   | <ul style="list-style-type: none"> <li>• To control the product, the top end of the remote control should point directly towards the receiving part of the product.</li> <li>• Remove and reinsert the batteries in the remote control.</li> <li>• Replace the batteries in the remote control for a new set.</li> </ul>   |
| <b>No password information</b>                  |   | <ul style="list-style-type: none"> <li>• The default password is always 0000.</li> </ul>   |
| <b>Channel search does not work</b>             | Antenna is disconnected.<br>Antenna is damaged/misaligned.<br>Out of digital signal area.<br>Antenna is not positioned. | <ul style="list-style-type: none"> <li>• Make sure that the antenna cable is properly connected to the product.</li> </ul>   |

## Recordings

| Problem                                 | Possible Cause                     | What to Do   |
|---|------------------------------------|--|
| Cannot schedule recordings or reminders | Conflict of recordings             | <ul style="list-style-type: none"> <li>Check that there is a previous schedule conflicting with a new schedule. Cancel one of the schedules.</li> </ul>  |
| Cannot record programmes                | Full HDD<br>Conflict of recordings | <ul style="list-style-type: none"> <li>Check that an external HDD is connected correctly.</li> <li>The hard disk is full. Delete unnecessary programmes and make space for new recording.</li> <li>Check if recording conflicts with another channel. Stop the current recording or wait until the recording is finished.</li> <li>Check that the product is switched on when recording starts.</li> <li>If you are missing first or end bits of the programme, set the padding time. Go to <b>HOME &gt; SETTINGS &gt; PVR Settings &gt; Recording options</b> and set the padding times.</li> </ul> |
| Cannot play back on live TV.            |                                    | <ul style="list-style-type: none"> <li>Playing back on live TV is only available after 30 seconds you have been in the channel.</li> </ul>   |
| How to set the padding time             |                                    | <ul style="list-style-type: none"> <li>If you are missing first or end bits of the programme, set the padding time. Go to <b>HOME &gt; SETTINGS &gt; PVR Settings &gt; Recording Options</b> and set the padding times.</li> </ul>   |
| How to enter passive mode               |                                    | <ul style="list-style-type: none"> <li>Go to <b>HOME &gt; SETTINGS &gt; System Settings &gt; Power Management</b> and set <b>Power Saving in Standby</b> to <b>On</b>.</li> </ul>  |

## Playback

| Problem                                  | Possible Cause             | What to Do   |
|--|----------------------------|--|
| Does not recognize larger external HDDs. | HDD capacity is too large. | <ul style="list-style-type: none"> <li>HUMAX recommends to use external HDDs up to 1TB.</li> <li>If the external HDD is making a ticking sound or not being recognized, this may indicate that the electricity is not sufficient. Please connect the power cable of the external HDD or connect another USB cable to the product.</li> </ul> |
| How to read files from external HDD      |                            | <ul style="list-style-type: none"> <li>Go to <b>HOME &gt; MEDIA</b> and select an external HDD. Select a file and press the <b>OK</b> button.</li> <li>Some files may not be played depending on the file format.</li> </ul>   |
| How to delete root folder?               |                            | <ul style="list-style-type: none"> <li>You cannot delete the root folder that is to store the downloaded files.</li> </ul>   |

## Others

| Problem  | Possible Cause   | What to Do  |
|--|--|---|
| Can I use a HUMAX product from other countries in Germany? | Each country has their own broadcasting system. HUMAX product is made it possible for regional broadcasting environment. | <ul style="list-style-type: none"> <li>HUMAX products from other countries are not available in Germany. Customer services may be limited.</li> </ul> |

**Cautions:** Electromagnetic interferences from other electronic devices or cables may cause malfunction to the HUMAX product.

# Glossary

## **DiSEqC (Digital Satellite Equipment Control)**

A DiSEqC compatible set-top box relies on a switching box which detects the 22kHz tone pulsing rapidly on and off. In this way, a certain set-top box can control numerous LNBs through a DiSEqC switching box.

## **Dolby Digital**

An encoding system that digitally compresses up to 5.1 discrete channels of audio (left front, centre, right front, left surround, right surround) into a single Bitstream. A low frequency effect (LFE) channel is included providing the sound needed for special effects.

## **DVB (Digital Video Broadcasting)**

A set of standards that define digital broadcasts using satellite, cable or terrestrial systems.

## **EPG (Electronic Program Guide)**

A TV programme guide that features programme listings across every TV or radio channel by day, time, and genre.

## **Frequency**

The property of a signal measured in cycles per second (=Hz).

## **FTA (Free- To-Air)**

An unscrambled broadcaster allowing customers to view channels or services without paying any subscription.

## **HDMI (High-Definition Multimedia Interface)**

An all-digital audio/video interface that supports standard, enhanced, or high-definition video, plus multi-channel digital audio on a single cable. It transmits all ATSC HDTV standards and supports 8-channel digital audio.

## **LNB (Low Noise Block)**

A device that is mounted on an arm facing your satellite dish, focusing on satellite signals. A LNB converts signals received from satellite to a lower frequency and sends them to a satellite set-top box via coaxial cable.

## **OTA (Over the Air)**

A standard for the transmission of software for equipment, through a broadcast system. Manufacturers reserve the right for deciding the release of the software for their products.

## **PVR (Personal Video Recorder)**

A video recorder that can record and play back programs directly using the hard disk drive(s).

## **RF (Radio Frequency)**

Television signals are modulated onto RF signals and are then demodulated by the tuner of your TV or STBs.

## **RGB (Red – Green – Blue)**

A technology for transmitting video signals via a cable. RGB is a system to represent red, green, and blue colours on a TV or monitor display. Red, green, and blue can be combined in various proportions to obtain any colour.

## **Smartcard**

A credit card sized card that contains updateable chip memory. It is used to access Pay TV (encrypted) channels or services.

## **Transponder**

A satellite is divided up in parts called transponders. A transponder is one distribution section of the satellite. Each transponder can be used for distribution of several channels or services.

## **TSR (Time Shifted Recording)**

A function that records the present program temporarily to support trick-play.





# Warranty Certificate

## IMPORTANT:

Keep this Certificate together with the Original invoice or receipt in a safe place and show them to the retailer or place of purchase whenever a warranty repair is necessary.

• **Model No.:**

---

• **Serial No.:**

---

• **Date of Purchase:**

---

• **Dealer's Signature:**

---

• **Customer's Signature:**

---

HUMAX thanks you for your recent HUMAX product purchase.

For your benefit, we recommend that you record your serial number, found on the product, and other purchase information on this card and keep it with your personal records, along with proof of purchase. This information will allow us to better serve your needs.

## » WARRANTY CONDITIONS

Keep this Certificate together with the original invoice or receipt in a safe place and show them to the retailer or place of purchase whenever a warranty repair is necessary.

## » HUMAX CONSUMER WARRANTY

HUMAX warrants this product to be free of defects in materials and workmanship, subject to the conditions set forth overleaf.

## » CONDITIONS

1. The HUMAX Warranty is valid for a period of two years from the date of first purchase.
2. In the event that this product fails to function properly during the warranty period, the retailer or distributor will make this product capable of operating for the purpose of which it was designed, without charging for labour and parts.
3. This warranty will be honoured only if the Warranty Certificate has been duly completed by the purchaser and is presented to the retailer with the original invoice or receipt.
4. This warranty does not cover shipping or transportation charges from you to us.
5. The obligations of the distributor are limited to the repair of defect parts. Costs and risks of transport to the retailer as well as removal and installation of the product, and any other costs directly or indirectly related to its repair, are not covered by the warranty.
6. All warranty repairs performed by non-authorized repair shops will not be reimbursed and if such repairs damage this product such damage will not be covered by this warranty.
7. This warranty is not applicable in cases other than defects in materials or workmanship and, in particular, does not cover:
  - periodic check-ups, adjustments, maintenance or conversions as well as replacement of parts due to normal wear and tear;
  - damage caused by accidents, negligence, modifications, use of non-HUMAX parts, improper use, installation or package;
  - damage caused by lightning, water, fire, acts of war, public disturbances, incorrect mains voltages, incorrect ventilation or any other cause beyond the control of the distributor;
  - products where the label bearing the serial number has been removed, defaced or is illegible.
8. This warranty is offered to any person who has legally obtained possession of this product within the warranty period.
9. HUMAX's maximum liability shall not exceed the actual purchase price paid by you for the product. In no event shall HUMAX be liable for special, incidental, consequential or indirect damages.