

HDTV Satellite Receiver

User's Manual

HD NANO Free

The default password is 0000.
Das Standardpasswort lautet 0000.

HUMAX

Notice




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.

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Meaning of Symbols

	To reduce the risk of electric shock, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.
	This symbol indicates dangerous voltage inside the product that presents a risk of electric shock or personal injury.
	This symbol indicates important instructions accompanying the product.

Warnings, Cautions and Notes

Throughout the whole manual, pay special attention to the following marks that indicate hazardous situations.

Warning

Indicates a hazardous situation which could result in serious injury

Caution

Indicates a situation which could damage the equipment or other apparatus

Note

Indicates additional information to make the user aware of possible problems and information of any importance to help understand, use and maintain the installation.

Notice

Warranty

The warranty does not cover parts which may become defective due to misuse of the information contained in this manual.

'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

- Manufactured under license from Dolby Laboratories. Dolby 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.



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

EU regulatory conformance

Hereby, HUMAX Co., Ltd, declares that these HD NANO Free is in compliance with the essential requirements and other relevant provisions of EC Directives

- 2006/95/EC - LVD Directive
- 2004/108/EC - EMC Directive
- 2009/125/EC - ErP Directive
- 2011/65/EU - RoHS Directive



The product carries the CE mark applied onto it.

The Declaration of conformity made under EC Directives and is available for viewing at the following location in the EU community:

<http://humax-digital.de/gm/ec.php>

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 fire shock.

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 at the sides 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.

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 LNB/CABLE TV SIGNAL/AERIAL

- 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 cord or plug

- 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.

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Accessories



Remote Control / Batteries



HDMI Cable



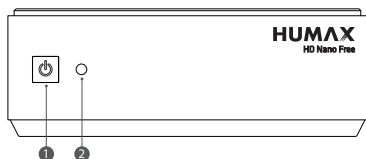
Quick Start Guide



AC Adaptor

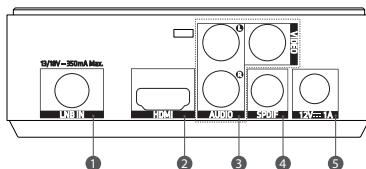
Note: Accessories may vary according to area.

Front & Rear



- 1 STANDBY: Switches between operation and standby modes.
- 2 STANDBY LED

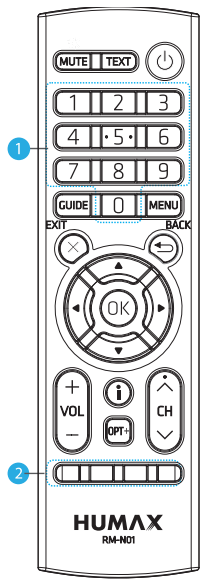
Note: The image may differ from the actual product.



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

Note: The USB port on the left side is for service purposes only. Do not connect any devices.

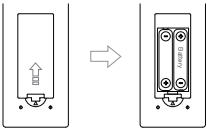
Remote Control



	MUTE	Mutes audio
	TEXT	Enters the digital text service
	STANDBY	Switches between operation and standby modes
1	NUMERIC	(0~9)
	GUIDE	Displays the programme guide
	MENU	Displays the main menu
×	EXIT	Exits all On-Screen Display (OSD) screens
↶	BACK	Returns to the previous channel or the previous screen
	ARROW Buttons	Moves the cursor up, down, left or right
	OK	Selects a menu or confirms the selection
	VOL+/-	Changes the audio volume
	i (information)	Displays the channel and programme information
	OPT+	Displays option menus
	CH ^/▼	Changes the channel or page
2	COLOUR Buttons	For interaction applications

Inserting Batteries

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

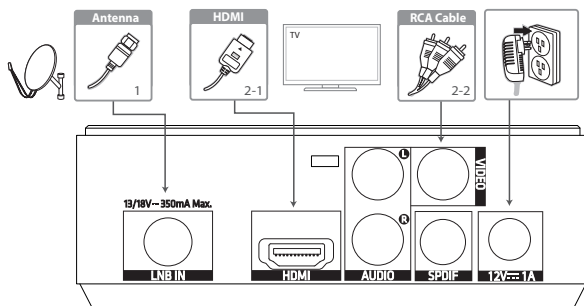


Quick Start Guide

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

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.

Note: Use an S/PDIF cable to connect to the audio system for digital audio

2-2 Using an RCA cable

For good picture quality, use an RCA cable to connect to the TV.

Powering On

1. Connect the power cord of the product to a wall outlet.
2. Power on by pressing the **STANDBY** button on the remote control or the **STANDBY** button at the front panel.

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 **MENU>Settings>Installation>Search Channels** and search for more channels.

1. Language

Select the appropriate language from the list.

2. Display

Set the video output to your TV.

3. Search Channels

- **Quick:** Default channels of ASTRA1(19.2E) will be applied without searching channels.
- **Automatic Search:** Search all channels of ASTRA1(19.2E) and HOT BIRD (13.0E) automatically.
- **Skip:** If you have SCD or motor antenna, skip the search process and go to **MENU > Settings > Installation**.

4. Automatic Search

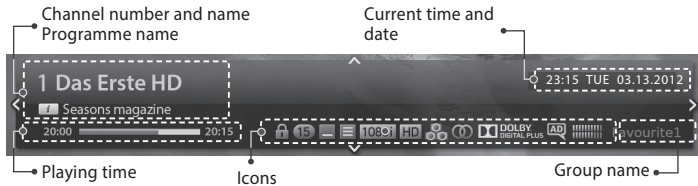
Channel search will begin automatically. Save the found channels when the search is complete.

5. Result

The result of the installation wizard will show. Select **Finish** to exit the wizard.

Programme Information (i-Plate)

The i-plate is an information banner that is displayed for a few seconds whenever you change channels. Press the **i** button while you watch a programme to display the i-plate. Press the **EXIT** button to hide it.



	Viewing detailed programme information Press the i button again while the i-plate is displayed.
	Viewing Programme information of other channels Press the ▲/▼ button while the i-plate is displayed. Press the OK button to change to the selected channel.

Icons

	Locked Programme		Subtitle
	Parental level		Teletext
	HD Programme		Screen ratio
	Reminder		Dolby Digital audio Dolby Digital Plus audio
	Resolution		

Managing Channels




Channel List

Press the **MENU** button and select **Channel List**.

Changing Channels

Select the channel you want to watch and press the **OK** button. The channel will change.



	<p>Changing Group</p> <p>Press the ► button to display the list of the selected channel group. (TV, HDTV, A-Z, Radio, Favourite 1-5, Recent)</p>
	<p>Sorting Channels</p> <p>Press the RED button to sort the channels in numerical or alphabetical order.</p>
	<p>Filtering Channels</p> <p>Press the GREEN button to filter the channels according to channel type in TV or Radio list. (Satellite, Pay Channel, All)</p>

Note:

- Press the **i** button to view the detailed channel information.
- Press the **EXIT** button to exit.

Managing Channels

Editing Channels in Channel List

Select a channel you want to edit and press the **YELLOW** button.

Favourite	<i>Setting Favourite Channels</i> Select a favourite group you want to move the channel to and press the OK button. To remove a channel from a favourite group, select the group and press the OK button again.
Lock	<i>Locking Channels</i> Select On or Off .
Delete	<i>Deleting Channels</i> Press the OK button.
Rename	<i>Renaming Channels</i> Press the OK button and enter the name in the keyboard.

Note:

- The default password is 0000. If you have forgotten your password, please contact your local distributor.
- To edit multiple channels, go to **MENU > Settings > Edit Channels**.

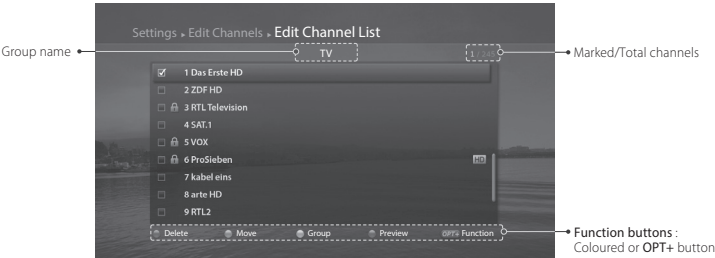
Managing Channels

Edit Channels






Editing Channel List

MENU > Settings > Edit Channels > Edit Channel List

Edit Channel List will help you delete, move, lock or rename multiple channels.



Select the channels and press the colour button.

 RED	Deleting Channels Delete channels from channel list.
 GREEN	Moving Channels Moving Channels to the location you want using the ▲/▼ and OK button.
 YELLOW	Changing Group List the channels of another group.
 BLUE	Changing Background Change the channel displayed in the background while editing.
 OPT+	Locking / Unlocking Channels, Renaming Channels, Selecting / Releasing All Channels

Managing Channels






Editing Favourite List

MENU > Settings > Edit Channels > Edit Favourite List

Edit Favourite List will help you add or remove channels from the favourite groups.



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

 RED	<p>Adding Favourite Channels Select the channels in the left column and press the RED button. The added channels will be listed in the right column.</p> <p>Removing Favourite Channels Select the channels from the right column and press the RED button.</p>
 GREEN	<p>Changing Group List the channels of another group in the left column.</p> <p>Moving Favourite Channels Select the channels using the ▲/▼ and OK button in the right column and then press the GREEN button.</p>
 YELLOW	<p>Changing Favourite Group List the channels of another favourite group.</p>
 BLUE	<p>Changing Background Change the channel displayed in the background while editing.</p>
	<p>Renaming Favourite Group Selecting / Releasing All Channels</p>

Note:

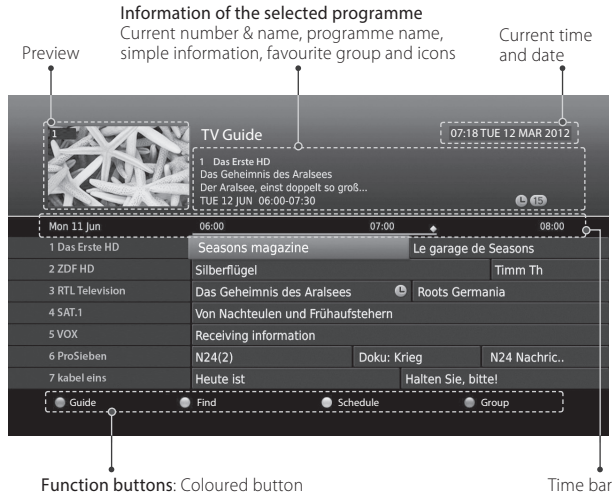
- Press the **MENU** or **EXIT** button to exit. Press the **BACK** button to return to the previous screen.



TV Guide

You can access the TV guide in several ways.

- Press the **GUIDE** button.
- Press the **MENU** button and select **TV Guide**.



Note: Press the **i** button to view the detailed programme information.

TV Guide

Watching Programmes

1. Select a programme and press the **OK** button. The programme will display in the preview.
2. Press the **OK** button again to exit the TV guide and watch the programme.

Changing Group

To list the channels of other groups, press the **BLUE** button and select a group you want.

Finding Programmes

Find will help you find the programmes more specifically according to the keyword or genre.

By Keyword

1. Press the **GREEN** button.
2. Select **Keyword** and press the ► button.
3. Select a keyword and press the **OK** button.

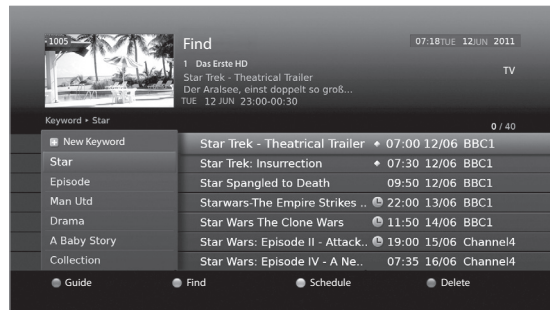
Note: To enter a new keyword, select **New Keyword**.

By Genre

1. Press the **GREEN** button.
2. Select **Genre** and press the ► button.
3. Select a genre and press the **OK** button.
4. Select the specific genre and press the **OK** button.

Note:

- Press the **i** button to view the detailed programme information.
- Press the **OK** button to watch a found programme that is on air.
- You can set reminders for future programmes.



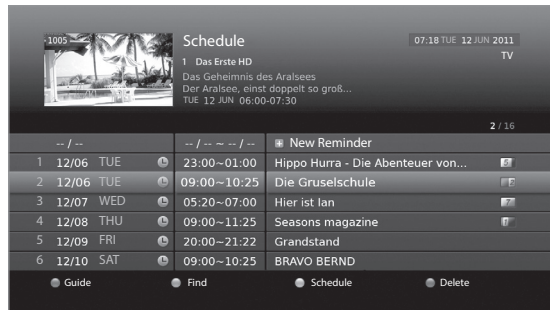
Scheduling Reminders

Schedule shows you the list of reminders and helps you manage them.

1. Press the **YELLOW** button.
2. You can add, edit or delete your reminders.
 - To add, select **New Reminder** and press the **OK** button.
 - To edit, select a reservation and press the **OK** button.
 - To delete, select a reservation and press the **BLUE** button.
3. Reservation will pop up. You can change the options you want using the **▲/▼/◀/▶**, **NUMERIC(0~9)** and **OK** buttons.
4. Select **OK** to save and exit.

Note:

- Press the **i** button to view the detailed programme information.
- You can easily set reminders in **TV Guide**, **Find** or **i**-plate navigation mode.



Settings

Preferences

MENU > Settings > Preferences

Parental Control

- **Maturity Rating:** You can block the programme if the programme is above the age limit.
- **Change STB Password:** Enter a new password.

Note: The default password is 0000. If you have forgotten your password, please contact your local distributor.

Language Setting

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

Setting Power On/Off Timer

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

Video Setting

- **Screen Ratio:** You can select the screen ratio of your TV.
- **Resolution:** You can set the resolution of the screen.
- **Display Format:** You can select the display format according to the screen ratio of your TV.
- **Letterbox & Pillarbox Colour:** You can select the colour of the margin space in Letterbox or Pillarbox mode.

Audio Setting

- **Digital Audio Output:** You can select the digital audio signal output.
- **Lip-Sync:** You can adjust the sound difference between audio and video.

Screen Display

- **Info Display Time:** You can set the duration the i-plate is displayed whenever you change the channel.
- **Transparency:** You can set the transparency of the On-Screen Display.
- **Subtitle Font:** You can set the subtitle font.

Settings

System

Menu > Settings > System

System Information

You can view the system information.

Signal Detection

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

Power Management

- **Automatic Power Down:** Select **On** to enter standby mode automatically if no user interaction occurs for 3 hours.

HDMI-CEC

HDMI CEC (Customer Electronics Control) lets you to control the TV and HDMI CEC supported devices through the HDMI cable. If your TV supports HDMI CEC, you can turn on or off both TV and the product at the same time using a single remote control. HD NANO Free supports the following comfort functions:
In operation mode you can switch off the TV and the receiver by pressing the standby button on your TV remote control.
If both devices are in standby mode, switch on both of the devices by pressing the standby button on your receiver remote control.

Installation

Search Channels [Fixed Antenna]

Installation allows you to configure your antenna and search the TV and radio channels.
MENU > Settings > Installation

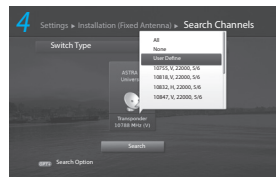
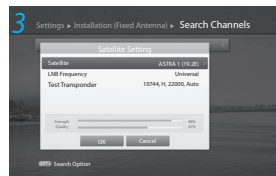
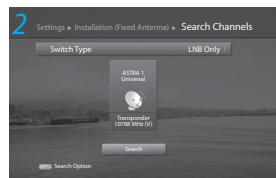
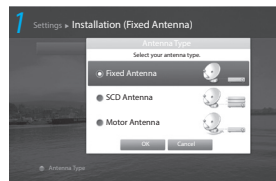
- 1 Press the **RED** button and select **Fixed Antenna**.
Select **OK** to save and exit.
- 2 Select **Search Channels** and press the **OK** button.
Select **Switch Type** and select **LNB Only** or **DiSEqC**.
- 3 Select a satellite figure and press the **OK** button.
 - **Satellite:** Select the satellite.
 - **LNB Frequency:** Select the LNB frequency.
 - **22kHz Tone:** Select the DiSEqC switch.
 - **DiSEqC:** Select the DiSEqC switch.
 - **Test Transponder:** Check the signal status of each transponder and select the one with the best quality.Select **OK**.

Note: When **Switch Type** is set to **DiSEqC**, both **22kHz Tone** and **DiSEqC** are activated.

- 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.
- 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.



Installation

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.

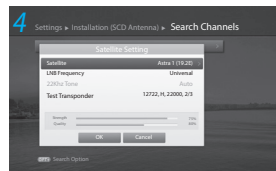
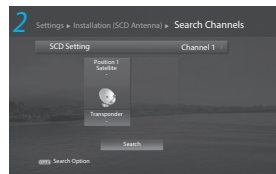
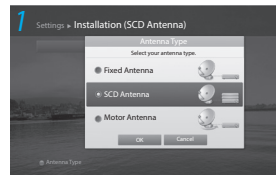
If you are using more than one satellite receiver, set one receiver at a time and turn off the others while setting. Refer to the satellite antenna manual for details.

MENU > Settings > Installation

- 1 Press the **RED** button and select **SCD Antenna**. Select **OK** to save and exit.
- 2 Select **Search Channels** and press the **OK** button.
- 3 Select **SCD Setting** and press the **OK** button to set the channel(band) and frequency for this receiver.
 - **Tuner1**: Select from Channel 1~8.
 - **Frequency**: The frequency is set based on the channel of tuner1.Select **OK**.
- 4 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**.
- 5 Select **Transponder** under the activated satellite figure and press the **OK** button. Select a value in the transponder list.
- 6 Repeat the two steps above to set more satellites.
- 7 Select **Search** and press the **OK** button. The found channels will be listed.
- 8 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.



Installation

Search Channels [Motor Antenna]

You can set the position of the satellites when you use a motor antenna for efficient channel search.

MENU > Settings > Installation

- 1 Press the **RED** button and select **Motor Antenna**. Select **OK** to save and exit.
- 2 Select **Search Channels** and press the **OK** button.
- 3 Select **Motor Setting** and press the **OK** button to set the motor type and location.

- **Motor Type:**

- DiSeqC1.2:** General motor antenna using DiSeqC 1.2.

- USALS:** Motor antenna using USALS.

- **My Longitude:** Enter the longitude and direction.

- **My Latitude:** Enter the latitude and direction.

- **LNB Frequency:** Enter the LNB frequency.

Select **OK**.

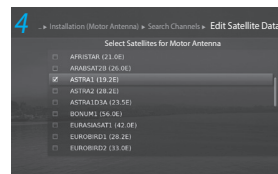
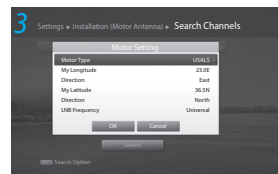
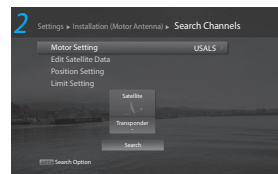
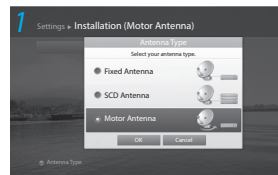
Note: When **Motor Type** is set to **DiSeqC 1.2**, both **My Longitude** and **My Latitude** are inactivated.

- 4 Select **Edit Satellite Data** and press the **OK** button to select the satellites that the motor antenna is pointing to.

Select satellites using the **▲/▼** and **OK** button.

When selecting **User Define**, enter the **Longitude** and **Direction**.

Press the **BACK** button to save and return.



Installation

- 5 Select **Position Setting** and press the **OK** button to set the antenna position for the selected satellites.
- **Satellite:** Select the satellite.
 - **Transponder:** Select the transponder.
 - **Motor Driving:** **Continuous – Step - Time**
 - **Driving Size:** When motor driving is set to **Step** or **Time**, select one from 1~127.
 - **Go to Stored Position:** Make the antenna turn toward the position of the selected satellite.
Fine-tune the position using the ◀▶ button until the signal strength and quality reach the maximum level.
 - **Store Current Position:** Save the adjusted position.
 - **Recalculate:** Recalculates the positions of all satellites based on the position of current satellite.

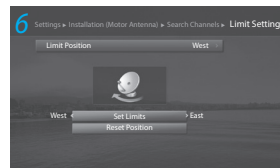
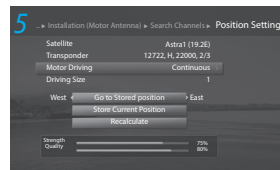
Press the **BACK** button to save and return.

Note: When **Motor Type** is set to **USALS**, **Motor Driving**, **Store Current Position** and **Recalculate** are inactivated.

- 6 Select **Limit Setting** and press the **OK** button to set the operation limit of the motor.
- **Limit Position:** Select **East** or **West**.
 - **Set Limit:** Set the operation limit to **East** or **West** using the ◀▶ button.
 - **Reset Position:** Initialise the position of the motor antenna to the factory default.
Press the **BACK** button to save and return.
- 7 Select a satellite you want to search.
- 8 Select **Transponder** under the activated satellite figure and press the **OK** button.
Select a value in the transponder list.
- 9 Select **Search** and press the **OK** button. The found channels will be listed.
- 10 When the search is completed, select **Save** and press the **OK** button.

Note:

- When you use a motor antenna, only the channels of one satellite can be searched.
- Repeat the search process to search more satellites.
- Select **Stop** and press the **OK** button to stop the channel search.
- All channels will be deleted if you change the antenna type.



Installation

Software Update

MENU > Settings > Installation > Software update

Automatic Update

1. Select **Automatic Update**.
2. When new software is detected, select **Yes** to start the update process.

Manual Update

1. Select **Manual Update**.
2. Enter the search options.
3. Select **Search** and press the **OK** button to search for new software.
4. When new software is detected, select **Yes** to start the update process now.

Note:

- It may take 5~10 minutes to update the software.
- When the software update is completed, the product is automatically powered off and on again.

Factory Default

MENU > Settings > Installation > Factory Default

1. Select **Factory Default**.
2. A popup will appear. Select **Yes**.
3. You will be prompted to enter the password. Enter the password.

Note: The default password is 0000. If you have forgotten your password, please contact your local distributor.

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.

Trouble Shooting

Before contacting the customer service centre, 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.

1. No signal is shown on your TV.

- Check the main power cable and make sure it is plugged into a suitable power outlet.
- Check that the mains supply is switched on.
- Connect the power cable to a different power outlet.
- Check that the power switch is on at the rear of the product. (where applicable)

2. No picture

- Make sure that the product is powered on and in operation mode. (Press the STANDBY button)
- Make sure that the AV cable is firmly connected to the TV.
- Make sure that the antenna cable is properly connected to the product.
- Be sure to activate channel search.
- Check the brightness level of the TV.
- Check if the channel is currently on air.
- Make sure that the antenna setting in the menu is correct. (satellite only)

3. Poor picture/sound quality

- Make sure there is no mobile phone or microwave oven near the product.
- Keep the power cable and the RF cable apart from each other.

Note: If the antenna is covered with snow or the RF is weakened by heavy rain, the condition of the sound and picture may temporarily be poor. However, poor sound and picture quality due to weather conditions cannot be accepted as a malfunction of product.

- Change the satellite dish for a larger one as this will increase the signal levels received.
- Replace the LNB with a lower noise factor in cases where the noise factor is too high.
- Replace the LNB with a lower noise factor in case the noise factor is too high.
- Replace the LNB with a new one in case it is damaged or out of order.
- Install the antenna in an obstacle-free place.
- Check the signal levels and adjust your antenna if the level is too low. The signal level may be affected by weather conditions.

4. No or poor sound

- Check that your AV cable is connected correctly.
- Check the volume levels of your TV set and the product.
- Check if the product or TV is on mute.
- Check audio type or soundtrack option. (where applicable)

5. Remote control does not operate.

- To control the product, the top end of the remote control should point directly towards the receiving part of the product.
- Remove and reinsert the batteries in the remote control.
- Replace the batteries in the remote control for a new set.
- Set the remote control to STB or PVR mode, if you are using the universal remote control. (where applicable)

6. Cannot make reservations.

- Check that no previous reservations are conflicting with the new reservation.

7. No password information is given.

- The default password is 0000.

8. Channel search does not work.

- Make sure that the antenna setting in the menu is correct.

9. Cannot update new software.

- If the product does not show a message requesting update, this means no software is available.

Appendix

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.

Österreich	Tel: Öffnungszeiten: E-Mail: Website: Sprache:	0800 300 340 (€ 0,14/Min) Mo-So 08:00-20:00 Uhr info@humax.at www.humax.at Deutsch/Englisch
Deutschland	Tel: Öffnungszeiten: E-Mail: Website: Sprache:	01806-778870 (€ 0,20/Min) Mo-So 8:00-20:00 Uhr techinfo@humax-digital.de www.humax-digital.de Deutsch/Englisch
Italia	Tel: Orario: Lingua:	+39 199 309 471 (€1+ VAT/min) Lun.-Ven. 8:00-18:00 Italiano
Suomi	Puh: Aukioloajat: Website: Kieli:	010 3108114 ma-pe 8:00-16:00 www.infocare.fi Suomi/Englanti
Sverige	Tfn: Öppettider: Språk:	+46 (0)8 5900 2600 Mån-fre 09:00-12:00, 12:45-16:00 Svenska/Engelska
Danmark	Tel: Åbningstider: Sprog:	+45 70 13 20 80 Man-tors 08.30-16.00, Fredag 08.30-15.30 Dansk/Engelsk
UK	Tel: Opening Hours: E-mail: Website: Language:	0844 669 8800 Mon-Fri 09:00-17:30 uksupport@humax-digital.co.uk www.humax-digital.co.uk English

Note: For hardware repair, please visit our website.

Error Messages

Error messages	Possible causes	What to do
No or bad signal [Satellite]	The satellite dish is not pointing at the satellite.	Adjust the dish alignment.
	Signal is too weak.	Increase the LNB voltage or connect a signal amplifier.
	Satellite dish is too small.	Change to a larger dish.
	Problem with LNB	Change the LNB.
	Wrong antenna setting	Set the antenna correctly.
The channel is scrambled or not available.	The channel has a signal but no audio or video.	Check if the channel is currently on air.
	The channel has been deleted by the broadcasting company.	Check if the channel is currently on air.
	The channel is for data broadcasting.	Remove the channel from the channel list and check for new transponder details.
The audio is not available.	The channel has a video signal but no audio.	Press the audio button to confirm that the channel has audio options.
No access	No access	Make sure you have a subscription to the channel.
	No authorisation	If the product has been in standby or power off for a long time, please wait for authorisation. It may take up to 60 minutes.
The antenna cable is short-circuited. [Satellite]	LNB cable is short.	Replace the LNB cable.
	LNB is internally short.	Replace the LNB.
	Alien substance is inserted into the LNB IN port. The port may be damaged.	Remove the alien substance and contact the service centre if the port is damaged.

Appendix

Glossary

CVBS (Composite Video Baseband Signal)

A technology for transmitting video signals via a cable. Mixes luminance (brightness) and the chrominance (colour) signals together.

DiSEqC (Digital Satellite Equipment Control)

A DiSEqC compatible receiver relies on a switching box which detects the 22kHz tone pulsing rapidly on and off. In this way, a certain receiver 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 Programme Guide)

An electronic equivalent to a printed television listings magazine. It is an application used with digital set-top boxes and digital television sets to list current and scheduled programmes that are or will be available on each channel, including a short summary or commentary for each programme. The information supplied in the EPG is sent and updated by the channel broadcaster.

FECC (Forward Error Correction)

A technique for error control of data transmission.

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 receiver 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.

Polarisation

The direction of the electrical and magnetic fields of a signal. Satellites use both vertical and horizontal polarisation, meaning that a frequency can be used twice.

QPSK (Quadrature Phase Shift Keying)

Digital modulation technique in which the carrier phase can have one of four possible values.

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.

S/PDIF (Sony/Philips Digital Interface format)

A standard format for the transfer of digital audio signals. It allows the transfer of digital audio between two devices without any conversion to and from analogue, which could degrade the signal quality.

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.

Appendix

Open Source Software Notice

HUMAX products use certain open source operating system software distributed pursuant to GNU GENERAL PUBLIC LICENSE Version 2 and GNU LESSER GENERAL LICENSE Version 2.1 each as defined and published by the Free Software Foundation, Inc. The following GPL and LGPL software source codes used in this product can be provided and this offer is valid for up to three years from the date of original download of the software or purchase of product containing such software. Please contact us at gnu@humaxdigital.com.

FreeType License (FTL) Software

freetype

Portions of this software are copyright © <2007> The FreeType Project
(www.freetype.org).
All rights reserved.



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:
 - a. periodic check-ups, adjustments, maintenance or conversions as well as replacement of parts due to normal wear and tear;
 - b. damage caused by accidents, negligence, modifications, use of non-HUMAX parts, improper use, installation or package;
 - c. 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;
 - d. 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.



HUMAX Call Center

Tel:	01806-778870 (€0,20/min)
Öffnungszeiten:	Mon-Sat 8:00-20:00
E-mail:	techinfo@humax-digital.de
Website:	www.humax-digital.de
Sprache:	Deutsch/Englisch

