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DE	Benutzerhandbuch
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PFS0001

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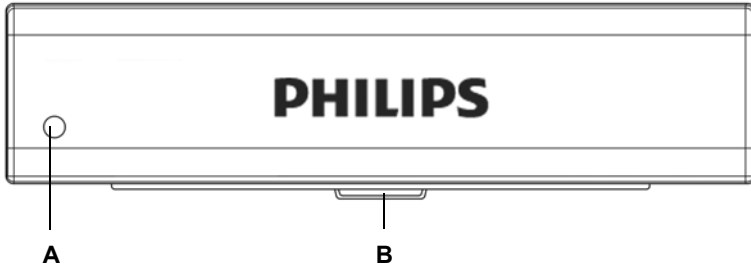
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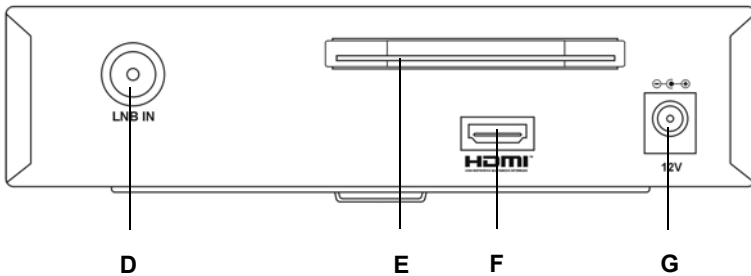
Controls and Functional Components

Front view



- A** LED
 green: normal operation (appliance is on)
 red: appliance on stand-by
- B** eyelet for attachment to rear side of TV

Rear view



- D** line in from satellite dish **LNB IN**
- E** CI slot
- F** line out to **HDMI** TV
- G** **12 V** mains connection

Remote control

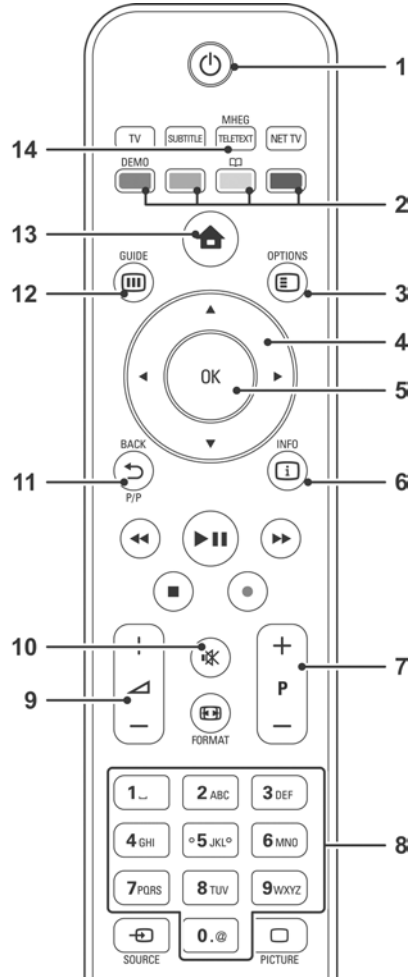
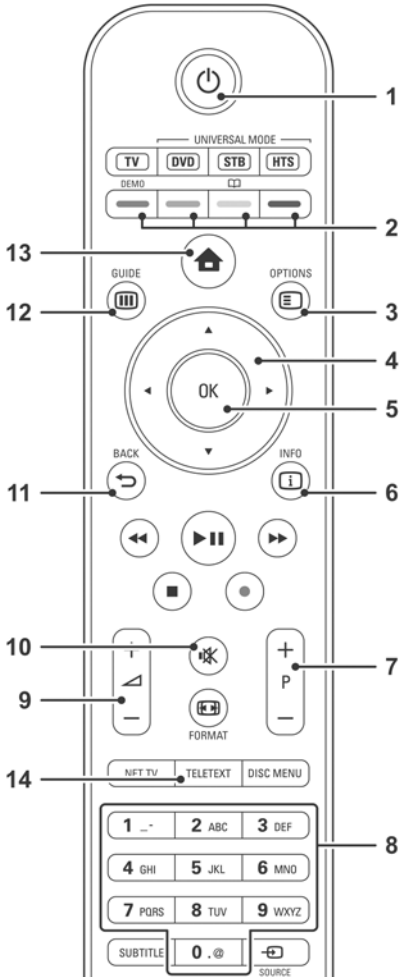
●●● Important information

This satellite receiver is built to fit Philips flat TVs. Please consult the list of Philips TV typenumbers on the packaging to see if your TV is suited for this product.

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- Your Philips TV has one of these two remote controls. Both remote controls operate the satellite receiver.

●●● Functions



1. Standby on/off

To switch the TV on or back to standby.

Press Standby for 3 seconds to switch off the TV and the satellite receiver.

2. Colour buttons

- red : opens or closes the Picture & Sound menu

- green : opens or closes the Favourites lists

- yellow : opens or closes the Options menu

- blue : switches between TV or Radio channels

3. OPTIONS button

With **OPTIONS** you can open the Satellite receiver menu, the Setup menu.

4. Arrow buttons

Use the arrows to navigate the onscreen menus.

5. OK button

Confirms a selection

6. INFO button

Shows the info banner

7. P + / -

- Moves up or down a channel

- Navigates the Teletext pages

8. Number keys

Allow immediate channel selection

9. Volume

Turns the volume up or down

10. MUTE button

Mutes the sound or restore it

11. BACK button

- Cancels a process

- Quits the menu

12. GUIDE button

Displays the EPG page

13. HOME button

Opens the TV menu

14. TELETEXT button

Opens or closes Teletext

Quick Start



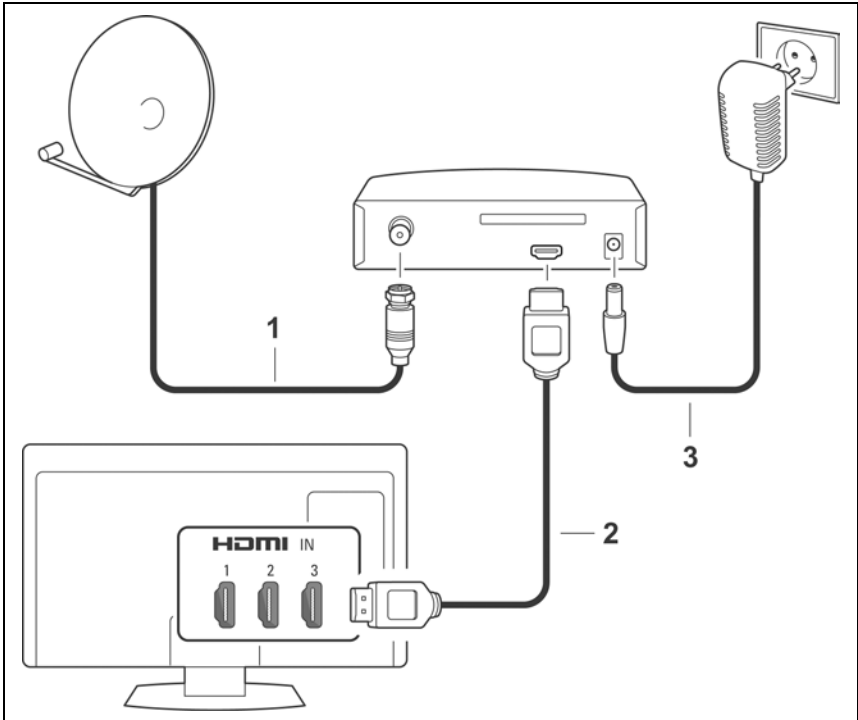
Attention!

- Take heed of the safety instructions, see page 55.
- Mains and other connections and further steps to take are described on page 58 and following.

Connect to TV

1. Attach satellite dish.
2. Attach HDMI cable.
3. Connect receiver to mains.

The receiver turns on automatically.



Synchronise appliances

Your TV comes with EasyLink set to On for automatic synchronisation. If this setting is set to Off, you need to set it back to On.

To operate the satellite receiver, you need to set EasyLink Remote Control to **On**.

1. Press **Home**.
2. Select **Setup > Installation > Preferences > EasyLink** and set it to **On**.
3. Select **EasyLink Remote Control** and set it to **On**.
4. Press **Home** to close the menu.
5. Select **Watch TV** and press **OK**.

Add the receiver to the TV Home screen

Add the satellite receiver to the TV Home screen for easy selection.

1. Press **Home**.
2. Select **Add your devices** and press **OK**.
3. Press **OK** to start.
4. Select with the arrows the correct icon and press **OK**.
5. Select with the arrows the HDMI connector you used to connect the receiver and press **OK**.
6. Press **OK** to close.

Now start the first-time receiver installation, see page 60.

Your appliance in brief

Your new digital satellite receiver opens up the whole world of perfect quality television for you.

This manual will help you make optimal use of the many functions and possibilities of your new digital receiver.

Summary of properties

- receives digital satellite signals
- separate channel lists for TV and radio
- supports both pay TV and free TV
- up to 4 lists of favourites
- Common Interface Module slot
- automatic and manual channel scan
- rapid channel scan
- direct frequency entry
- software update via satellite
- easy-to-use Electronic Programme Guide (EPG)
- supports the CEC protocol via HDMI
- on-screen display (OSD)
- context-sensitive help
- easy-to-use graphical user interface (GUI)
- extremely fast channel switching
- Teletext
- supports 4:3, 4:3 letterbox and 16:9 video formats
- MPEG-2 digital and full DVB compatibility
- MPEG-4 (AVC)

Contents of package

When you open the package check that it contains all the items below and that nothing is damaged. The package contains:

- receiver
- pluggable power supply
- HDMI cable
- bracket for mounting on rear wall
- instruction manual

Safety and Environmental Protection

Read the following points prior to connecting and operating your receiver:

- The appliance is intended for private use.
- Only the functions described in this instruction manual may be carried out with this device.
- Keep the instruction manual ready at hand near the appliance.
- Remember to include the instruction manual should you pass on the appliance to someone else.

Danger to children



- Never leave children unattended with this device. Children have no sense of danger when handling electric appliances.
- Keep children away from packaging material. It causes danger of suffocation when swallowed.

Danger caused by electricity



- There are dangerous voltages inside the appliance. Never open the housing or insert objects through the ventilation openings.
- Do not expose the appliance to dripping or spray water. Prevent liquid from getting into the appliance. Immediately pull the plug if need be.
- Do not place vases, cups or similar objects containing liquid on the appliance.
- Do not operate the appliance in humid rooms (e.g. bathrooms) or in rooms where there is a lot of dust.
- Plug the unit's power supply into a properly installed and sufficiently fused 230 V wall outlet only.
- Make sure there is ready access to the wall outlet in case you need to pull the plug quickly.
- Leads must neither be clamped nor squashed.
- Do not operate the appliance if the unit or its leads are visibly damaged or after you dropped it.
- Immediately unplug the unit if an obvious problem (such as smoke etc.) occurs during operation. Always pull at the plug and not at the lead.

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- Do not put too much load on wall outlets and extensions because you otherwise run a risk of fire! Ask about the maximum admissible power consumption when purchasing leads or outlets.
- Unplug the power supply from its wall outlet to completely disconnect the unit from the mains.
- Always have qualified experts do receiver repairs or change receiver settings. The manufacturer accepts no liability for accidents of the user if the device is opened. Connecting other than the rated power sources or consumers may cause unit malfunction or failure.
- Do not modify the appliance.
- Use provided cables and pluggable power supplies only.
- Thunderstorms may damage appliances still connected to the mains. Always unplug the power supply from the wall outlet when there is a thunderstorm.
- Unplug the receiver from the mains and satellite connection if you intend not to use for longer periods of time. This also applies to devices connected to the receiver.

Danger of injuries by other causes



-
- Do not let liquid leaking from batteries come into contact with the skin, eyes or mucous membranes. If battery acid contacts your skin, immediately wash with lots of water and consult a doctor.
 - Do not disassemble, short-circuit or throw batteries into the fire.
 - Ensure that leads cannot be tripped over.

Place of operation

- Do not expose to extreme temperatures. Therefore:
 - avoid exposure to direct sunlight or heat from radiators;
 - leave a minimum clearance of approx. 40 cm above and to the sides.
 - Do not cover the appliance with magazines, tablecloth, etc. Avoid the heat being trapped inside the appliance! It may otherwise damage or set fire to the unit!
- Do not operate the appliance in close proximity to inflammable material such as curtains, combustible liquids, etc.

Miscellaneous

- Do not place sources of naked flames, such as lit candles, on the appliance.
- Opening the device results in loss of warranty.
- Condensation water can be produced within the device, e.g. if the device is brought from a cold to a warm environment. Wait for about one hour before operating the receiver. After that time, the water will normally have evaporated.
- The appliance has feet on its bottom side. Since the surfaces of furniture are made of very different materials that a wide variety of care products is used on, we cannot exclude the possibility of some of these substances or their ingredients soften or otherwise damage the feet. You may want to put some non-skid material between the appliance and the surface it stands on.

Disposing of the appliance



-
- When you find that the appliance is of no practical use any longer, contact your local disposal authority or company about proper ways of disposal. Do not throw the appliance into your normal household waste.

Getting Started

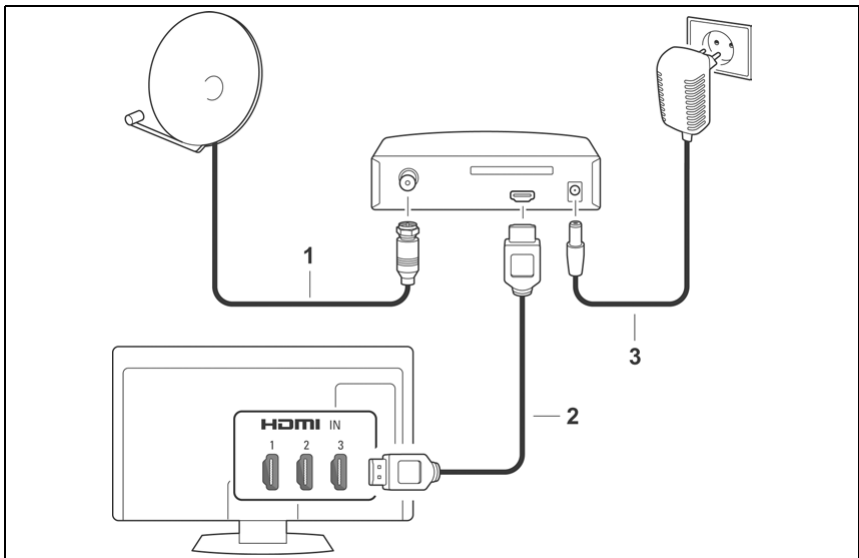
Connect receiver to TV set



Attention!

- Make sure all appliances are turned off before you connect them up.
- First establish all other connections, then plug the power supply connector into the mains socket. This is to avoid possible damage.
- Take heed of the manuals describing the other units.
- The satellite receiver provides no options of connecting other appliances such as audio equipment.

●●● Wiring diagram



●●● Steps:

1. To connect to the satellite dish

- ▶ Attach the satellite cable to the receiver's antenna line in socket, **LNB IN**.

2. To connect to HDMI

- ▶ Use a HDMI cable to connect the receiver's **HDMI** socket with the TV set's HDMI line in socket.

3. To connect to the mains



Attention!

Plug the appliance into a properly installed 230 VAC, 50 Hz wall outlet only. Do not turn on the appliance until all other connections are made.

Connect receiver and mains socket with the pluggable power supply.

1. First of all, attach the power supply cord to the receiver's **12 V** jack.
2. Connect the pluggable power supply to a power outlet.
Plugging the receiver's power supply plug into a wall outlet automatically turns on the receiver.
3. Turn on the TV set.
4. Synchronise the receiver and TV set, see next section.

Synchronise receiver and TV set

Your TV comes with EasyLink set to On for automatic synchronisation. If this setting is set to Off, you need to set it back to On.

To operate the satellite receiver, you need to set EasyLink Remote Control to On.

1. Press **Home**.
2. Select **Setup > Installation > Preferences > EasyLink** and set it to **On**.
3. Select **EasyLink Remote Control** and set it to **On**.
4. Press **Home** to close the menu.
5. Select **Watch TV** and press **OK**.

Add the receiver to the TV Home screen

Add the satellite receiver to the TV Home screen for easy selection.

1. Press **Home**.
2. Select **Add your devices** and press **OK**.
3. Press **OK** to start.
4. Select with the arrows the correct icon and press **OK**.
5. Select with the arrows the HDMI connector you used to connect the receiver and press **OK**.
6. Press **OK** to close.

Now start the first-time receiver installation, see page 60.

First Steps (Installation)

To turn the receiver on or off

1. Turn on the TV set the receiver is connected to.
2. Press **HOME** to open the Home menu and select the icon you chose for the satellite receiver and press **OK**.
3. When you switch the TV in Standby, the satellite receiver will switch of in Standby a few seconds later.
4. When you switch the TV in Standby while the satellite receiver was on screen, the satellite receiver will come back on when you switch the TV on again.
No need to switch to the receiver in the Home menu.

Operating the on-screen display (OSD)

The on-screen menu (referred to as on-screen display = OSD) lets you change the TV settings via the remote control.

- **Note:** Also read the info and help texts shown on the screen.

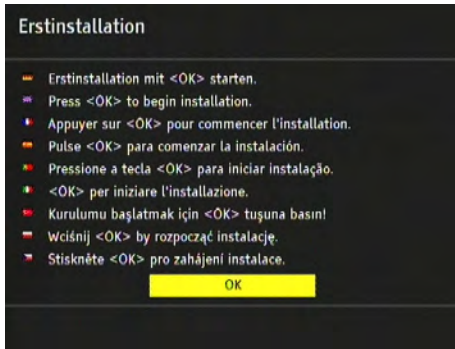
This is how you use the on-screen display functionality:

- To navigate the OSD or to select menu items press the \uparrow \downarrow \leftarrow \rightarrow arrows on your remote control as appropriate. Selected items will be highlighted.
- To confirm a selection press **OK**. The selected menu item is now run or executed.
- To hide the OSD or to quit a menu press **BACK**.
- The **red**, the **green**, the **yellow** and the **blue** colour buttons on the remote control have various functions assigned to them which depend on the menu currently on the screen.
- Go by the colour of the OSD icons: a red, green, yellow or blue icon is controlled by remote control button of that colour.
- At the bottom edge of every OSD screen, you will see notes as to which controls you must press to make any settings using the current menu.

First-time installation

When you turn on the receiver for the first time you will see the First-Time Installation page.

1. Press **OK** to confirm.
The First Time Installation page is displayed.

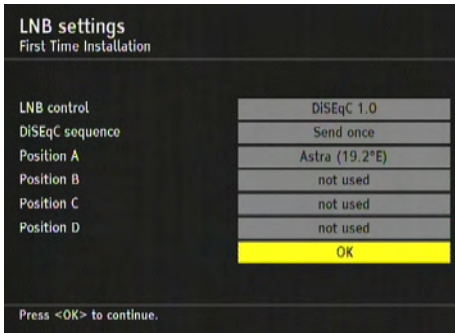


- Press the arrow buttons to select a menu language and confirm your choice by pressing **OK**.

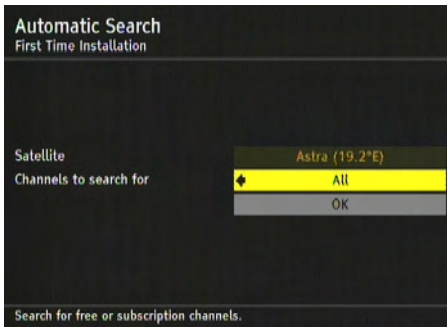


- Press the arrow buttons to select your country of residence and the screen format of your TV set.
 - Select the OK button shown at the bottom of the screen and press **OK**.
- **Note:** You will normally find that the default settings are acceptable as they are. You can also change the settings at any later time, see as of page 75.
- Choose the correct LNB settings to match your satellite dish product.
- **Note:** For LNB setup details refer to Page 70. If you have a single-dish satellite system that points to Astra 1 (19.2°) like that of most satellite equipment users, you do not need to change any of the defaults.

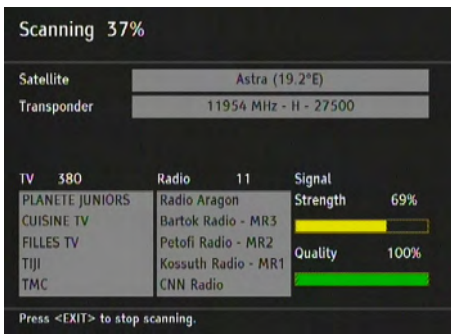
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6. Select **OK** and press **OK**.
The **Automatic Search** page is displayed.



7. Choose the set of channels to be searched for: **All**, **Pay TV only** or **Free TV only**.
8. Select **OK** and press **OK**.
This will start the channel scan. Its progress is shown on the screen.



- **Note:** You can press **BACK** to abort the scan at any time.
An on-screen message will tell you when the scan is complete.

9. Press **OK** to exit the first-time installation wizard.
10. Press **OK** again to start watching a programme.

Welcome to the world of digital television!

Following first-time installation, the receiver will switch to the first free TV channel it finds on the channel list.

Operation

Change of channel

There are various ways of changing channels:

- Press **P +** or **P -**.
- Press number keys "1" and "2" to select channel number "0012", for example.
- Pick the channel straight from the channel list, see page 65.

Volume

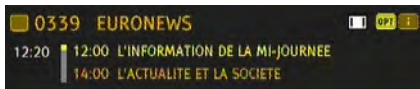
- Press **VOLUME +** or **-** to turn up or down the volume.

The new volume setting will be shown as a bar graph for a couple of seconds.

- Press the Mute button to turn off the sound altogether. Pressing the button again un-mutes the sound and restores the previous volume.

Info banner

The info banner is automatically displayed every time you change channels.



1. To see the info banner without changing channels press **INFO** on the remote control.

The info banner displays the selected channel number and the station. At the left banner edge you can also see the current time.

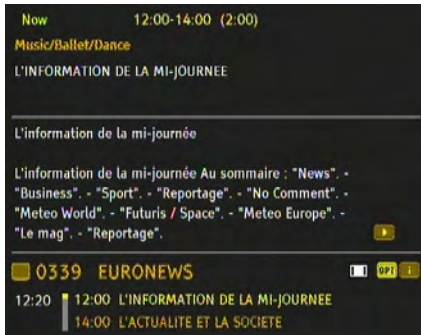
The progress bar to the right of the time tells you how far a programme has got.

The lines at the bottom show the current and next programmes and their time of broadcast. After several seconds, the information banner is automatically hidden again.

- ▶▶ **Note:** You can set the time the info banner is shown and whether or not it is to automatically appear at all, see page 79.

While the info banner is on the screen, press **INFO** again to extend the banner and display further details of the current programme.

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Please note:

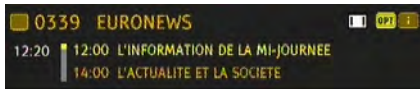
- More extensive texts are distributed to several pages. Repeatedly press **OK** (or try the \uparrow and \downarrow arrows) to browse the pages.
- To view information about the next programme, press **INFO** or the \Rightarrow arrow. Then press \Leftarrow to return to the info page of the current programme.

2. **BACK** closes the info banner.

Options

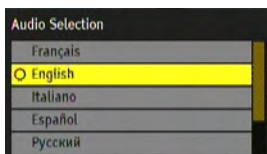
Some stations give you a choice of several camera perspectives, sound tracks and/or Teletext.

You should therefore check the programme's info banner: **OPT** in the right corner is telling you that you have one or several of the above options.



In this case you have a choice of video or audio channels or Teletext pages or any combination of these.

Example: audio selection



How to use the options:

1. Switch to a programme and its info banner.
2. Press the yellow colour button (= OPT).
3. Press the \uparrow \downarrow \Leftarrow \Rightarrow arrows to select an option as appropriate, then press **OK** to confirm. The option is enabled and the options page is closed.

►► **Note:** You may find that both a view and an audio track can be selected. In this case, repeatedly press the yellow colour button to get to the option you wish to change.

Teletext

1. Press the **TELETEXT** button to display Teletext.
 - The colour-coded Teletext areas are available by pressing the appropriate colour button on the remote control.
 - Use the number keys to enter the number of the page you wish to directly go to.
 - Press the ◀ or ▶ arrow to go to the previous or next page.
 - Pressing **P +** or **P -** takes you 100 pages forward or 100 pages back to the next full one-hundredth page, e.g. 462 > 400 > 300 etc.
 - Press **INFO** to go straight to page 100, or **GUIDE** to go to page 300.
 - Sub-pages, if any, are displayed by pressing the red or green colour button.
 - Pressing the yellow colour button interrupts the automatic turning of sub-pages (e. g. page 3/6).
 - Contents pages (e.g. pages 100, 200, etc.) show lists of topics each of which can be selected by pressing the ↑ or ↓ arrows; then press **OK** to go straight to the selected topic page.
 - Repeatedly pressing the **TELETEXT** button turns the Teletext page into a transparent "film" on top of the TV image. Press the **TELETEXT** button again to hide the Teletext page altogether.
2. Pressing **BACK** immediately disables the Teletext function.

Channel list

1. While watching normal television, press **OK** to display the channel list. This list contains all TV channels the appliance has found and stored when scanning for channels.



Please note:

- Pressing the **green** button (Favourites) while the channel list is on the screen browses any lists of favourites you may have defined. These personalised lists of TV channels only contain your favourite stations. For further information see page 66.
 - A key next to a station name is telling you that programmes on this channel are encrypted and require the correct smart card to be able to watch them.
 - Pressing the **blue** button lists all the radio stations found by the channel search.
2. Press the ↑ ↓ ⇐ ⇒ arrows to pick a channel from the list.

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- Pressing \uparrow or \downarrow selects the next or previous channel on the list.
 - Pressing \leftarrow or \rightarrow takes you eight entries up or down the list.
3. When you have found the channel you were looking for, press **OK** to accept your choice.

Favourites

●●● Creating favourites list(s)

Your receiver supports up to four favourites lists. These are lists of favourite channels you can pick and choose yourself, that is to say, they only contain the channels you actually wish to watch.

For instance, you could create a list of sports channels, another one for entertainment, and a third one containing political magazines. Or, every member of the family can have his or her own "favourites list".

Please note:

- All favourites lists are created in the same way.
 - The same applies to radio stations that another up to four lists of favourites can be defined for. For radio and radio station details see page 73.
1. Press **OPTIONS** and select **Device menu** and press **OK**.
 2. Press the \uparrow or \downarrow arrows to pick **Sort Channels** and **OK** to accept.



3. Select one of the entries, e.g. **Favourites 1**, and press **OK** to confirm.



►► **Note:** If your list of TV channels is very long you may wish to filter it for a less cumbersome number of entries. Press the yellow colour button. For further information on filtering see page 69.

4. First press the \uparrow or \downarrow arrow to pick a channel from the list on the left, then press **OK** to accept.

An asterisk is annexed to the entry, and the channel is added to the **TV Favourites** on the right.



5. Repeat the above step to add other channels to your list of favourites.
6. The same method applies to radio stations: to include radio stations in your list of favourites, first press the **blue** button, then do as before.
7. When you are finished press **BACK**.
8. When asked whether to save your changes press **OK** to confirm that you do.

●●● Moving channels

You can individually adapt the sequence of channels within the favourites lists.

1. On the Sort TV Channels page, press the green colour button to go from the left to the right list panel.

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2. Press the \uparrow \downarrow \leftarrow \rightarrow arrows to select the channel you wish to move.
3. Press **OK**. The station name is indented and highlighted.



4. Press the \uparrow \downarrow \leftarrow \rightarrow arrows to move the channel up or down the list.
5. Press **OK** to drop the channel at its new position.

●●● Deleting favourites

1. On the Sort TV Channels page, press the green colour button to go from the left to the right list panel.
2. Press the \uparrow or \downarrow arrows to select the channel to be removed from the list.



3. Press the appropriate colour button as follows:
red: removes the selected channel
yellow: clears the entire list of favourites

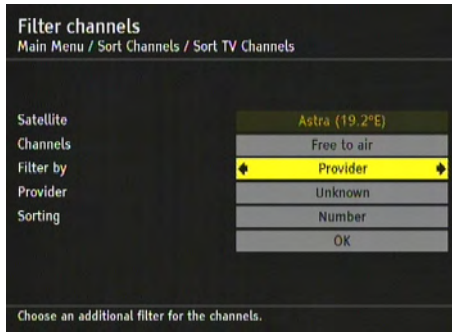
- **Note:** Pressing the yellow colour button will only clear the current list of favourites. The channels are still on any other favourites lists you may have defined and on the "all channels list", though.

●●● Filtering channels

Filtering helps you define your lists of favourites by extracting only a subset of TV or radio stations and sorting them by the criteria you specify. The resulting list is clearer and more structured.

1. On the Sort TV Channels page, press the yellow colour button.

The following page will appear:



2. First press the \uparrow or \downarrow arrows to move up and down the list of options, then press \leftarrow or \rightarrow to set the selected option as appropriate.
3. Select **OK** and press **OK**.

You will be returned to the Sort Channels page where the selected criteria are shown at the top of the page. You are now ready to create your list of favourites.

▶▶ **Note:** Filters are defined for temporary use and are not stored. Thus, when you close the Sort TV Channels page, all filter settings will be lost.

●●● Working with favourites lists

The favourites lists (four for TV and four for radio) are available during normal TV and radio operation.

1. Press the **green** button repeatedly until the desired list is shown.
2. Press the \uparrow or \downarrow arrow to pick a channel, then press **OK** to accept.

Search for Channels

●●● Scan modes

Following first-time installation, see page 60, it may be necessary to scan afresh, e.g. to search for new channels.

1. Press **OPTIONS** and select **Device menu** and press **OK**.
2. First press the \uparrow or \downarrow arrow to pick **Search for Channels** from the menu, then press **OK** to confirm.
3. Press the \uparrow or \downarrow arrow to choose one of the scan modes and repeatedly press **OK** until the selected scan is started.

The following scan mode options are available:

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- **Automatic search** - convenient scan which finds most of the channels.
- **Manual search** - manual scan that lets you find individual channels e.g. by specifying the frequencies to be scanned or by limiting the search to a single satellite.

When the scan is complete you will be told whether and how many channels were found.

4. Press the ⇐ or ⇒ arrow to tell the unit to
 - add the new channels to the old list (default),
 - overwrite the old list of channels,
 - discard all newly found channels.
5. Press **OK** when you are done.

●●● LNB settings

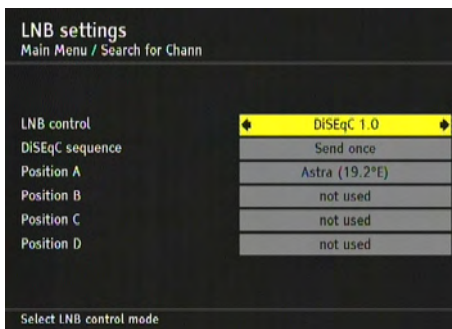
- ▶ **Note:** You only need to adapt these settings if your receiver is attached to satellite equipment featuring its own receiver units or multi-switches. Moreover, the LNB of your satellite dish should support digital signals. By the way, LNB stands for Low Noise Block Converter which is an electronic component located at the focal point of the satellite antenna.

DiSEqC (Digital Satellite Equipment Control) allows the receiver to control the receiver units and multi-switches to receive signals from up to 4 different satellite antennas.

You first need to tell the receiver where to find which satellite, though.

1. Press **OPTIONS** and select **Device menu** and press **OK**.
2. First press the ↑ or ↓ arrow to pick **Search for Channels** from the menu, then press **OK** to confirm.
3. Press the ↑ or ↓ arrow to pick **LNB Settings** from the menu, then press **OK** to confirm.

The following page will appear:



LNB control

- **DiSEqC 1.0:** Your satellite equipment receives signals from 2 to 4 satellites. Multi-switches interconnect the satellite antennas. All LNBs are supplied with power. Positions A to D are available. **DiSEqC 1.0** is the default setting.
- **LNB power off:** Power is not supplied to the LNBs. Irrespective of the adjustment of your satellite system, your digital receiver can only receive the signals of one satellite. Only position A is available.
- **No DiSEqC:** Your SAT installation points to a single satellite only. The LNB is supplied with power. DiSEqC control signals are off. Only position A is available.
- **Toneburst:** Your SAT installation receives signals from two satellites. Both LNBs are supplied with power. Positions A and B are available.

DiSEqC sequence

Press the ⇐ or ⇒ arrow to specify how often the digital receiver is to send the DiSEqC signal to the satellite equipment. The correct value corresponds to the number of multi-switches installed in your SAT equipment.

Options are to **Send once**, **Send twice** and **Send three times**.

- ▶▶ **Note:** The receiver will separately send the DiSEqC sequence to each of the multi-switches installed in the SAT equipment, i.e. three times if 3 multi-switches are in place.

Positions A to D

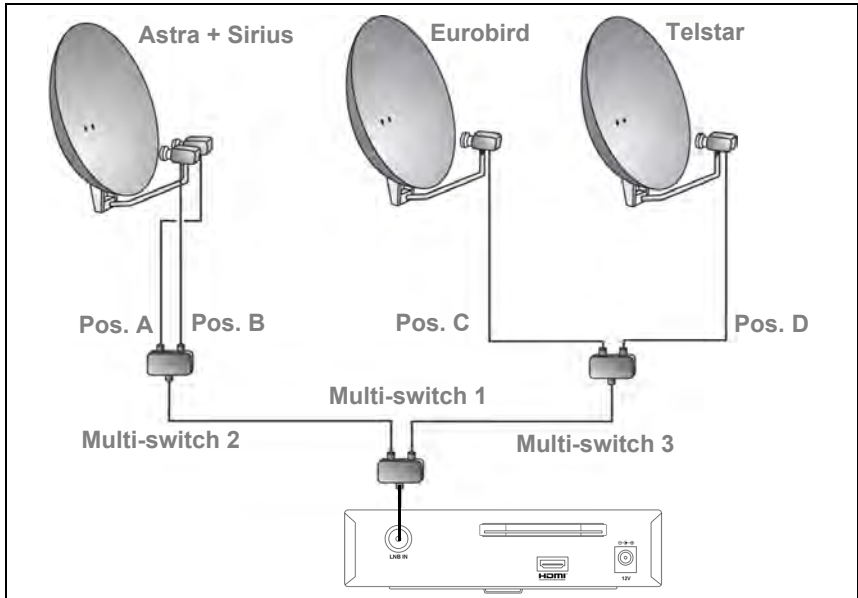
Shows the satellites the receiver is attached to. In most cases, **Position A** is set to **Astra 1 (19.2°E)** because this satellite broadcasts almost all favourite Central European channels.

To add satellites:

1. Adjust your LNB control and DiSEqC sequence to match your satellite equipment.
 2. Select **Position B (C, D)** and press **OK**.
 3. Press the ⇐ or ⇒ arrow to select a satellite as appropriate (Astra, Hotbird, Turksat etc.).
- ▶▶ **Note:** The low-band and high-band "LOF values" are set to defaults and need not normally be changed. Change these values only if your satellite TV provider requires it, for example. These settings will be retained even if the appliance's factory defaults are restored.
4. Press the ↑ or ↓ arrow to go first to the **Low-Band-LOF** and then to the **High-Band-LOF** box and enter the exact frequencies.
Enter the figures either using the arrow buttons or the numerical keys on the remote control.
Press **BACK** followed by **OK** to acknowledge the prompt.

SAT HDTV Module

Example



The above schematic shows a satellite installation that can receive a total of 4 satellites: Astra, Sirius, Eurobird and Telstar.

- Astra and Sirius are received by the same satellite antenna.
- Eurobird and Telstar signals both come in through a separate satellite antenna.
- Coax cables connect the four LNBs with the receiver with interfacing multi-switches in between.
- Set **LNB control** to DiSEqC 1.0.
- Set the **DiSEqC sequence** to **Send twice** because there are two multi-switches between each of the satellite antennae and the receiver.
- Positions: **Pos. A > Astra, Pos. B > Sirius, Pos. C > Eurobird and Pos. D > Telstar.**

EPG

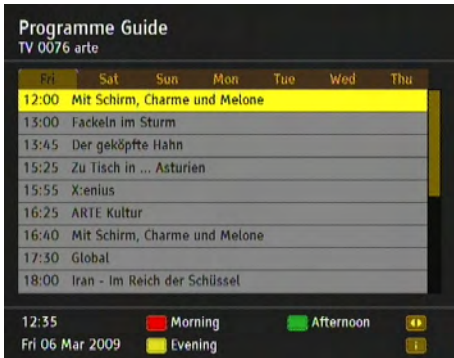
The Electronic Programme Guide (EPG) provides an overview of the programmes the current channel will broadcast during the week ahead.

Please note:

- Not all channels offer a complete EPG.
- Many stations give a forecast of the day but do not offer detailed descriptions.
- There are also TV stations that do not broadcast any EPG information.

1. Select a channel as appropriate.

2. Press **GUIDE** on your remote control to display the EPG page.



- **Note:** The information will be downloaded bit by bit.

EPG options:

- You can run the EPG as a single-channel or all-channel service.
 - To be shown more information about a programme, move the highlight to it using the \uparrow \downarrow \leftarrow \rightarrow arrows, then press **INFO**. Pressing **INFO** again will hide the additional information and return you to the programme guide.
 - Try pressing **P +** or **P -** to study the EPG of another channel.
 - Repeatedly pressing the Favourites button will reduce the list of channels to the ones on the lists of favourites.
 - The **blue** button toggles between the EPG of TV and radio stations.
 - Pressing the colour buttons, e.g. "red" for the morning, restricts the time range covered by the EPG.
3. Pressing **BACK** exits the EPG.

Radio mode

Your receiver also knows how to process digital radio signals broadcast via satellite. Please note:

- The **blue** button toggles between TV and radio reception.
- While listening to the radio, pressing **OK** will display a list of all radio stations. This list basically works the same as the list of TV channels, see page 65.
- Some radio stations provide an EPG which is operated in the same way as the TV channel EPG, see page 72.
- To change the audio format, press the **red** button to open the menu and press the **green** button to change the format, see page 74.

Miscellaneous functions

●●● Restoring factory defaults

You can restore the appliance's factory defaults. Your own lists of favourites will be cleared in the process.

1. Press **OPTIONS** and select **Device menu** and press **OK**.
2. Press the \uparrow or \downarrow arrow to select **Box Settings** and press **OK** to confirm.
3. Press the \uparrow or \downarrow arrow to select **Restore factory defaults** and press **OK** to confirm.
4. Use the \Rightarrow arrow to change the setting to **Yes** and press **OK** to confirm.
The appliance will reset by switching itself off and back on briefly afterwards.
5. Do a first-time installation, see page 60.

●●● Changing picture and sound settings directly

You can change the audio and video settings while listening to or watching a programme.

1. Just press the **red** colour button.



2. Make your changes as appropriate.
 - The red colour button controls Picture Scaling, i.e. the different screen formats. Availability of this function depends on your general video settings, see page 77, and the screen format of the programme you are watching.
 - The green colour button controls the available types of audio output (stereo, mono, etc.).
 - The blue colour button controls the video resolution, i.e. the number of lines per screen (**576p**, **576i**, **720p** or **1080i**).

●●● Displaying channel and system information

Whereas you will hardly ever need this information, it will be quite useful if you do, e.g.:

- to retrieve information about a channel or to check the strength and quality of a channel signal,
- to tell Technical Support the software version installed in your receiver and other such information.

1. Press **OPTIONS** and select **Device menu** and press **OK**.
2. Press the \uparrow or \downarrow arrow to select **Technical information** and press **OK** to confirm.
3. Select **Channel information** or **System information**.

- ▶▶ **Note:** You cannot change any of the details. They are shown purely for information at this point.

●●● Updating the software

Every time you turn on the receiver it checks for and automatically installs new software updates. If it finds any, a message to that effect will be displayed on the TV screen.

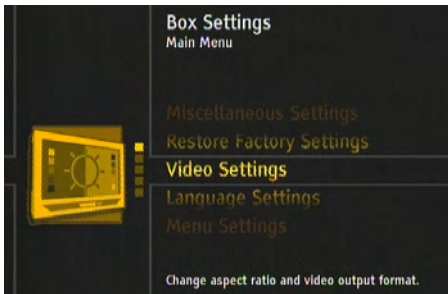
You can also run this function manually.

1. Press **OPTIONS** and select **Device menu** and press **OK**.
2. Press the \uparrow or \downarrow arrow to select **Technical information** and press **OK** to confirm.
3. Choose **System information** and press **OK** to confirm.
4. Press the \uparrow or \downarrow arrow to select **Software update** and press **OK** to confirm.
5. Use the \Rightarrow arrow to change the setting to **Yes** and press **OK** to confirm.
This starts the search for new software. As soon as the procedure is ended, a corresponding system message is displayed on the screen.
6. Press **OK**.

Settings

1. Press **OPTIONS** and select **Device menu** and press **OK**.
2. Press the \uparrow or \downarrow arrow to select **Settings** and press **OK** to confirm.

The following page will appear:

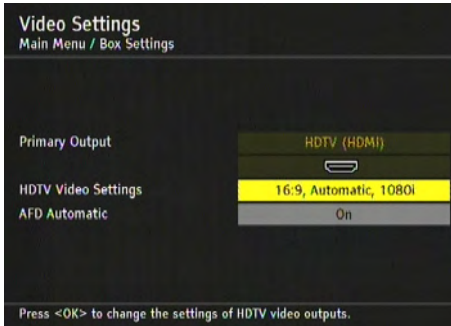


3. Press the \uparrow or \downarrow arrow to select one of the functions and press **OK** to run it.
- **Note:** Do take heed of the on-screen info texts. They will help you make the right decisions.

As per usual, the \uparrow \downarrow \leftarrow \rightarrow arrows select and change a setting, whereas a page is closed by pressing **BACK**.

SAT HDTV Module

Video settings

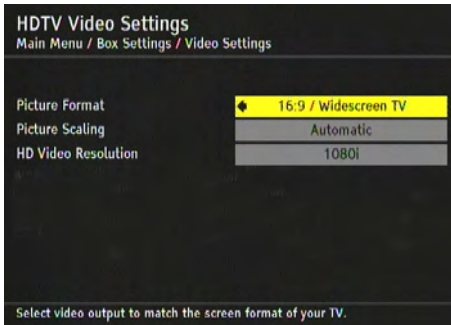


▶▶ **Note:** You cannot change the **primary output**.

HDTV video settings

This box summarises the current video settings. To change select **HDTV video settings** and press **OK**.

Another page is displayed:



Picture format

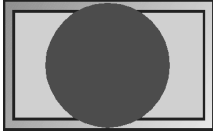
Choose **16:9 / Widescreen TV** if your receiver is connected to a widescreen set. For a standard TV set select **4:3**.

Picture scaling

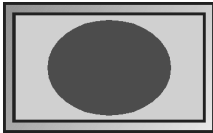
The **picture scaling** options depend on the picture format.

16:9/Widescreen TV format

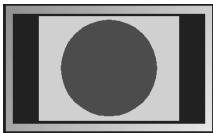
(widescreen set)



Picture scaling: **Zoom**



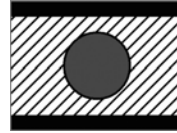
Picture scaling: **Automatic**



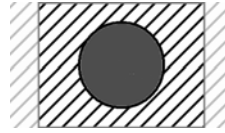
Picture scaling: **Pillar box**

4:3 format

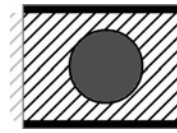
(standard set)



Picture scaling: **Letter box 16:9**



Picture scaling: **Pan & Scan / CCO**



Picture scaling: **Letter box 14:9**

►► **Note:** Check the manual of your TV set for supported options.

HD video resolution

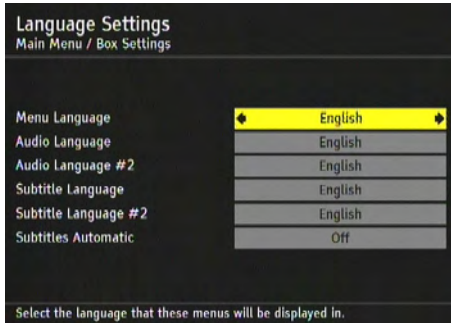
Pick a HD video resolution as appropriate: **576p**, **576i**, **720p** or **1080i**.

- A **p** following a figure is indicative of a "progressive" display which shows all lines at once.
- An **i** stands for "interlaced" where odd lines (1,3,5,7 etc.) appear first followed by even lines (2,4,6,8 etc.). This technology builds picture from fields which the sheer quantity of information renders almost invisible, though.

AFD automatic

The format of the picture received may differ from the one shown. If enabled (**On**), **AFD automatic** will recognise and correct the picture as necessary.

Language



- ▶▶ **Note:** The audio language and subtitles options are only available for programmes being broadcast in more than one language, i.e. they depend on the languages broadcast by the service provider.

Menu language

Set this option to the language you want the OSD (on-screen display) to appear in. A wide range of languages is available, e.g. English, French, Spanish etc.

Audio language

Set this option to the language you wish to hear when listening to programmes.

Audio language #2

Select an optional second language you wish to hear when listening to programmes.

- ▶▶ **Note:** The programme will be automatically in **Audio language #2** should the **Audio language** you specified not be available.

Subtitles language

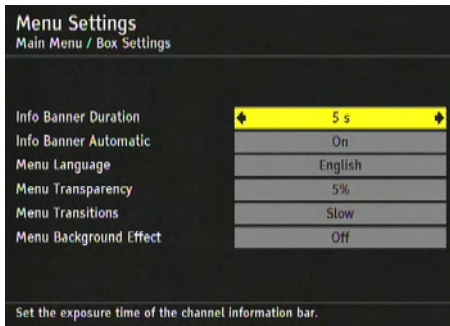
Select the language of any subtitles you may receive.

- ▶▶ **Note:** Selecting the first and second subtitle languages works the same as selecting the first and second audio languages.

Subtitles automatic

Set this option to **On** if you wish to automatically see subtitles received in the selected subtitle language (default: **Off**). Some stations sometimes offer extended subtitles for people with hearing problems, including texts describing background sound, for example. To see these subtitles, change the setting to **On (impaired hearing)**.

Menu settings



Info banner duration

Option to set the time the info banner, see page 63, will remain on the screen when changing channels. Choose **None** to entirely suppress the info banner when changing channels.

Info banner automatic

By default, the start of a new programme will invoke the info banner. Choose **Off** to disable this automatic function.

►► Note:

This option is available only if you set the **Info banner duration** to 4 seconds or longer.

Menu language

Sets the OSD language.

►► **Note:** This option is also available on the **Language** menu, see page 78.

Menu transparency

Sets the level of OSD transparency. If you have difficulties reading the transparent OSD texts, select **None**.

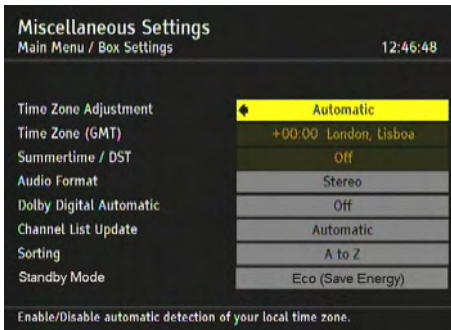
Menu transitions

Option saying how quickly menus will be displayed or hidden.

Menu background effect

Various effects are shown in the background of menus on the screen. If you do not want this, set it to **Off**.

Miscellaneous settings



Time zone adjustment

Tell the program to automatically set your local time vs. Greenwich mean time or to let you set it yourself.

- If you say **Manual** you will also have to set the **Time zone (GMT)** and specify whether to automatically change to summer time /daylight saving time (DST) or manually do that yourself also.
- Choosing **Automatic** is telling the satellite receiver to change the clock accordingly. Options **Time zone (GMT)** and **Summer time (DST)** are not available in that case.

Time zone (GMT)

Only if **Time zone adjustment = Manual**: Assuming you are in Central Europe (e.g. in Germany) you would choose **GMT +01:00** (to specify the difference between your local time and Greenwich mean time).

Summer time/DST

Option to say whether clocks are to be put forward and back automatically (**On**) or whether you want to take care of that yourself (only if **Time zone adjustment = Manual**).

Audio format

Since your receiver picks up digital TV signals, some stations allow you to choose from different audio tracks. The sound may be reproduced either in stereo or mono.

Programmes in different languages may be broadcast on both audio tracks at a time or with the spoken text for people with an impaired vision on one track. By selecting the audio track you specify how the programme sound is to be played. Determine your default audio format.

- ▶▶ **Note:** Setting a default audio format at this point still leaves you with the option of pressing the yellow colour button later to quickly hop and change between available audio tracks.

Dolby digital automatic

Choose **On** if your audio equipment is connected to a digital port on the TV set. For further information, study the manual of your TV set.

Channel list update

The architecture of channels is dynamic because stations move to other frequencies or new channels come to life. To be able to watch all channels available, the channel list is to be updated regularly.

- Selecting **None** leaves it up to you when to perform a new channel scan.
- If you choose **Automatic**, the receiver will regularly check for changes and refresh the list of channels accordingly. In this case you can still specify when the receiver is to scan for changed channels: when **On** or when in **Stand-by mode**.

Automatic update in stand-by mode means that the receiver will automatically refresh the list of channels at any suitable time.

Sorting

You can change the sort order of the channel list, see page 65.

Choose **Sorting** and set the sort options as appropriate.

Standby mode

Apart from "normal" stand-by there is an added Eco Mode which will consume significantly less power (less than 1 W).

If **Eco (Save Energy)** is enabled, the receiver will start economy mode after about 2 to 3 minutes.

- **Note:** Eco mode will only work if an antenna signal is put through to the receiver. If the receiver is not connected to an antenna or if the signal is disturbed for any reason, the receiver will only support "normal" stand-by.

Restoring factory settings

This function has already been described elsewhere, see page 74.

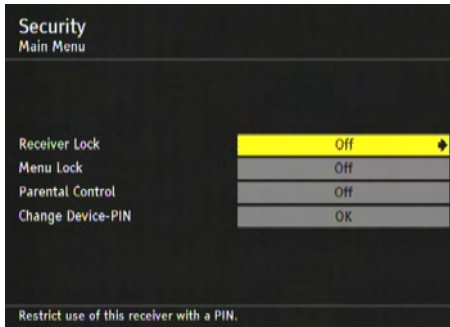
Security settings

This section describes the options of the **Security** menu.

To display the **Security** menu:

1. Press **OPTIONS** and select **Device menu** and press **OK**.
2. Press the \uparrow or \downarrow arrow to select **Security** and press **OK**.
3. Use the numerical keys to enter your PIN (factory default: 0000). The numerals you enter will be shown as **#** on the screen.
4. Press **OK**.

The following page will appear:



Receiver lock

Enable this option to protect the appliance against unauthorised access.

The next time you turn on the receiver, you will be prompted for the PIN (the factory default PIN code is 0000).

Menu lock

Activate this option if you wish to protect the menu against unauthorised access.

The next time you access the menu page, you will be prompted for the PIN (the factory default PIN code is 0000).

Parental control

Use this option to set a minimum age for certain programmes. These programmes will then require a PIN to be unlocked for watching.

Change device PIN

This is where you specify your personal PIN code. For security reasons, the numerals you enter will be shown as # on the screen.

1. Press **OK**.
2. Enter the current PIN code and press **OK** to confirm.
3. Enter the new PIN code and press **OK** to confirm.
4. To avoid mistakes by typing errors etc. you will be asked to enter the new PIN again and press **OK** to confirm. A message will tell you if changing the PIN was successful.

Encrypted Access

- ▶▶ **Note:** This function is only relevant to you if you own a smart card for receiving encrypted channels.

To display the **Encrypted Access** menu:

1. Press **OPTIONS** and select **Device menu** and press **OK**.
2. Press the \uparrow or \downarrow arrow to select **Encrypted Access** and press **OK** to confirm.
3. Menu items **Common Interface** and **CI Expert Settings** let you make the appropriate settings.

Please note:

- The actual functions controlled by the above menu items depend on your smart card and CI module. The receiver has no influence on these menus, it only provides them to the user.
- For further information please study the documents normally included in the CI module and smart card packages.

Troubleshooting



Attention!

Safety first - Never repair defective or apparently defective units yourself.

You may encounter problems in every electronic appliance. However, these problems need not be caused by a defect. Instead, they are often caused by bad leads or plug-and-socket joints or by connections being incorrectly established.

Check the following points before contacting technical support.

Problem	Possible cause	To do
Appliance won't start	No mains voltage	Check connector cable and pluggable power supply
No picture, no sound	No mains voltage	Check the cable and power supply connector
	No or incorrect channel list	Perform automatic channel scan
	Connection lost	Check connection

SAT HDTV Module

Problem	Possible cause	To do
No or poor or blurred picture	HDMI jack not properly plugged in	Check plug connection
	Wrong channel parameters	Perform automatic scan, see p. 69
	Wrong screen format	Change format, see page 76
	TV set and HDMI settings don't match	Change settings, see p. 77
Sound but no picture	Wrong channel parameters	Perform automatic search, see p. 69
	HDMI jack not properly plugged in	Check plug connection
Previously received channel not available	Channel out of service	None
	DECT telephone interference	Increase distance between TV set and telephone
No response to remote control commands	Object(s) between remote control and receiver	Remove object(s)
	Faulty data stream -> device locks	Unplug power supply and re-plug after 10 seconds
Certain channels sometimes not available	These channels have no 24 hr service and are sometimes not available. This is not a fault.	
Forgot your PIN	Use the master PIN: 8421	

Technical Data

- | | |
|-----------------------------|--|
| General | <ul style="list-style-type: none"> ■ DVB satellite receiver compatible to EN 300 307 ■ Reed-Solomon decoder support (EN 300 421) ■ MPEG-2 and MPEG-4 data stream support:
ISO/IEC 13818-2 and ISO/IEC 14496-10 ■ DVB video/audio support: ISO/IEC 13818-2, -3 ■ Software update via satellite ("update over the air") |
| Basic specifications | <ul style="list-style-type: none"> ■ QPSK demodulation to DVB-S standard EN 302 307 ■ Frequency range: 950...2150 MHz ■ Symbol rate: 2... 45 Msymbols (SCPC & MCPC) ■ Input RF level: 25... 65 dBm |
| LNB ratings | <ul style="list-style-type: none"> ■ Band selection: 22 kHz ■ Polarity selection: 14/18 V ■ Sound burst mode ■ DiSEqC 1.0 ■ Maximum LNB support of 300 mA |
| Input/output | <ul style="list-style-type: none"> ■ 1x HDMI out ■ Common interface port |
| Power supply | <ul style="list-style-type: none"> ■ 230 VAC / 50 Hz to 12 VDC power supply plug ■ Consumption less than 20 W (less than 1 W in Eco stand-by) |
| Ambient conditions | <ul style="list-style-type: none"> ■ Temperature +5 °C...+40 °C ■ Humidity: max. 85 % (relative) |

The product complies with the following directives:

- EN 55013
- EN 55020
- EN 60065



Contact information

Type nr. _____

Serial nr. _____



Deutschland

01803 386 852 - € 0.09 / min

Österreich

0810 000 205 - € 0.07 / min

Suisse / Schweiz / Svizzera

0844 800 544 - Ortsgespräch
Appel local
Chiamata locale



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