

DTR 220/05



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Receiver

PHILIPS

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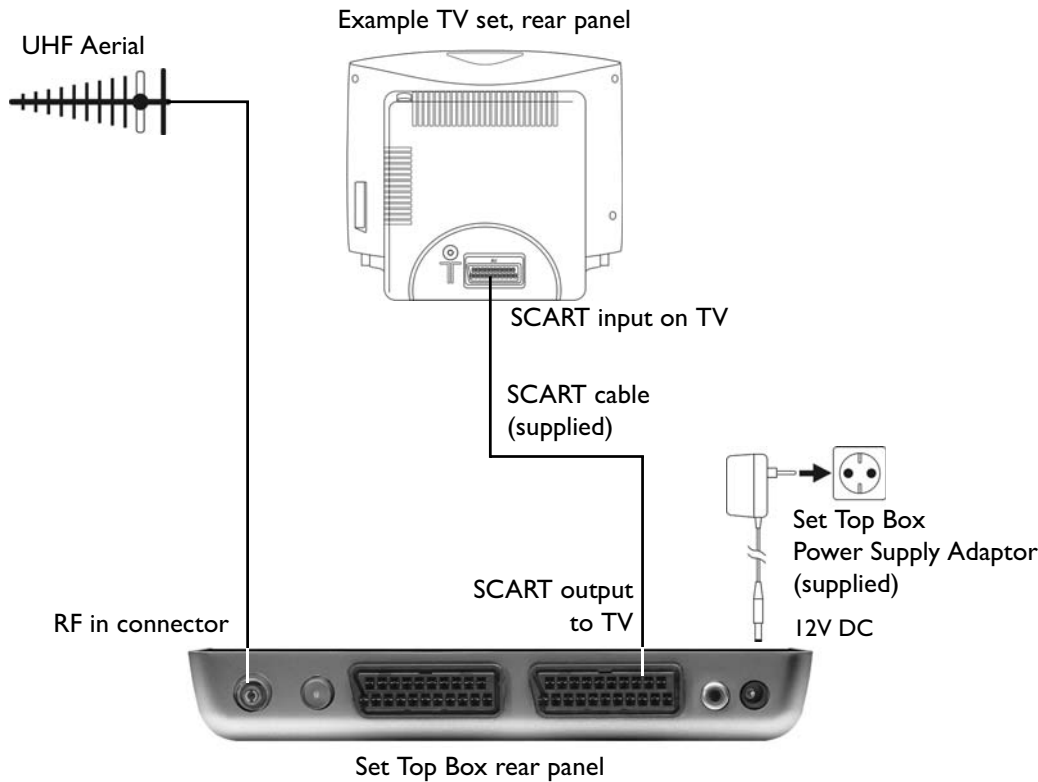
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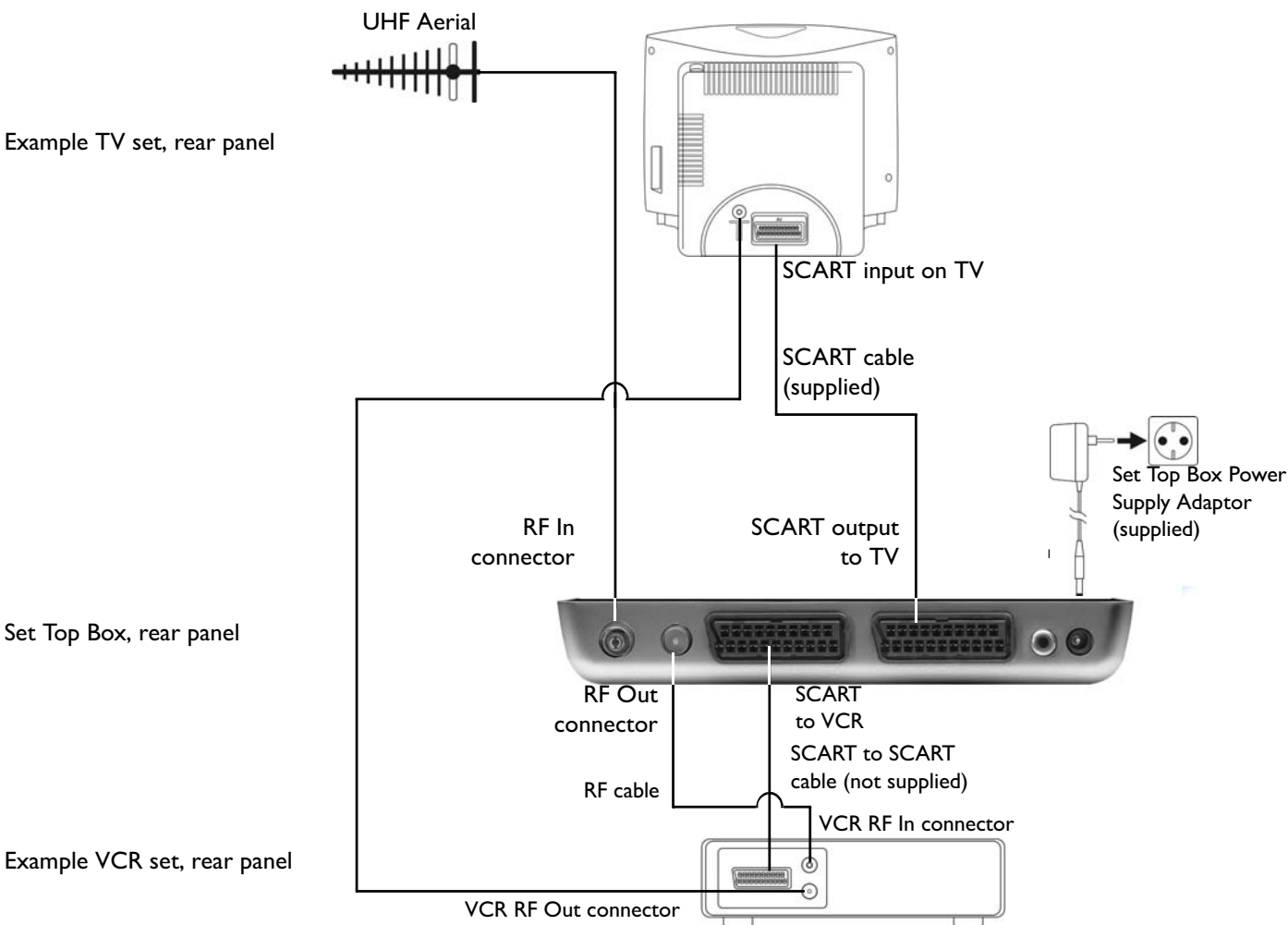
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Quick Start Guide

Connecting to a Television



Connecting to a Television and Recorder



Introduction

Thank you for purchasing this product which has been designed and manufactured to give you many years of trouble-free service.

About This User Manual

This user guide contains all the information you need to know about how to setup and watch available 'Freeview' channels using your set top box.

Safety is Important

To ensure your safety and the safety of others, please ensure you read the Safety Instructions before you operate this product.

Note: Keep this information in a safe place for future reference.

Safety warnings

Before you connect and start the receiver, please observe the following points:

- The device is designed for domestic use.
- Only the functions described in these Operating Instructions may be carried out with this device.
- If possible, keep the Operating Instructions ready at hand near the appliance.
- If you hand the device on to other persons, please also include these Operating Instructions.

Danger caused by electricity

- In the interior of the device there are hazardous voltages. Never open the housing or insert objects through the ventilation openings.
- Only connect the device to a 230 V power outlet installed according to regulations, being accordingly fused.
- The power outlet has to be easily accessible so that you are able to disconnect the power plug immediately if necessary.
- Observe that the connector cables are not clamped or squeezed.
- Do not start the device if the device or the connector cables show visible damage, or if the device has fallen down.
- If an apparent damage occurs (e. g. smoke or similar) during operation, immediately disconnect the pluggable power supply from the power outlet. In doing so, always take hold of the plug, never of the cable.

- Power outlets and extension cables may not be overloaded, otherwise there is fire hazard! When purchasing the product, enquire for the maximum permissible current consumption.
- In order to completely disconnect the device from the power supply, the pluggable power supply has to be disconnected from the power outlet.
- Have repairs or settings on your receiver carried out by qualified skilled personnel only. Unauthorised opening and repair attempts will result in loss of warranty. The manufacturer accepts no liability for accidents of the user if the device is opened. Incorrect wiring of the connections can result in failures or malfunctions on the device.
- Do not effect modifications on this device.
- Use provided cables and pluggable power supplies only.
- During thunderstorms, devices connected to the mains supply may be damaged. Therefore, in case of a thunderstorm always disconnect the pluggable power supply from the power outlet.
- If you are absent for a longer period of time or during a thunderstorm, disconnect the receiver from the power supply unit and from the antenna. This also applies to devices connected to the receiver.

Danger of electric shock by humidity

- The device may not be exposed to dripping or splashing water. Prevent liquids from entering into the device. In case of need, immediately disconnect the power plug.
- The device may not be used in damp locations (e. g. bathroom) or rooms with heavy dust accumulation.
- Objects filled with water, e.g. vases, may not be placed on the device.

Danger of injuries by other causes

- Observe that nobody can trip over the connector cables.

Dangers for children

- Never leave children unattended with this device. Children underestimate the danger associated with electric appliances.

Notes with regard to the installation location

- Install device on horizontal surface only.
- Do not expose this device to extreme temperatures. Therefore:
 - Avoid direct solar radiation and radiator heat;
 - Do not obstruct the air ventilation by covering the ventilation openings with objects, like for example magazines, table cloths, curtains, etc.;
 - Leave a minimum clearance of approx. 40 cm above and to the sides. The heat may not accumulate in the device! Otherwise the heat can damage the device, and there is fire hazard!
- The device may not be installed close to inflammable material (e. g. curtains, flammable liquids, etc.).

Batteries

- Batteries are to be kept away from children.
- After swallowing a button cell or battery, the person concerned has to consult a doctor immediately.
- Do not try to reactivate used batteries by heat, charging, or by other means.
- Batteries may not be thrown into the fire, disassembled, or short-circuited.
- Replace the batteries at least one a year to prevent them from leaking.
- Always replace both batteries and use batteries of the same type only (e. g. alkaline cells or zinc/carbon).
- If you are absent for a longer time, remove the batteries from the RC unit.

Miscellaneous notes

- Do not place open fire sources, like for example burning candles, on the device.
- The antenna that is used has to be grounded.
- Only switch the device on after the connections with the antenna and the SCART cable have been established.
- The bottom side of the device features the device feet. Because the furniture or floor surfaces consist of various materials and are treated with various care products, it cannot be completely ruled out that some of these materials contain components affecting and moistening the feet of the device. If required, place a non-slip mat underneath the feet.
- Opening the device results in loss of warranty.



This symbol indicates that the adapter is a Class II appliance and does not require an earth connection.



This symbol indicates that the adapter is for indoor use only.



This symbol indicates that the adapter conforms to CE regulations.

Environmental Markings



Your product has been designed and manufactured with high quality materials and components, which can be recycled and reused.

When this crossed-out wheeled bin symbol is attached to a product or his packaging, it means the product is covered by European Directive 2002/96/EC.

Please inform yourself about the local separate collection system for electronic products.

Please act according to your local rules and do not dispose of your old products with your normal household waste. The correct disposal of your old product will help prevent potential negative consequences for the environment and human health.



The "Material recyclability symbol" affixed on package cardboard and user manual means these parts are recyclable. So do not dispose of them with your normal household waste.



The "Material recyclability symbol" affixed on plastic packaging parts means these parts are recyclable. So do not dispose of them with your normal household waste.



The "Green Dot" affixed on cardboard means PHILIPS pays a financial duty to the "Avoidance and Recovery of Packaging Waste" organization.

Getting Started

Remove your Digital Set Top Box carefully from the box, and remove the packaging from each part.

In the Box

You will find the following items:

- Digital Set Top Box
- Remote Control (AAA batteries)
- Power supply 230 V AC/50 Hz to 12 V DC
- SCART-to-SCART cable
(for Digital Set Top Box to SCART input connector on TV set)
- User Manual (This publication)

If any of these items are damaged or missing, please contact us at:

**Philips CE,
The Philips Centre, Surrey**

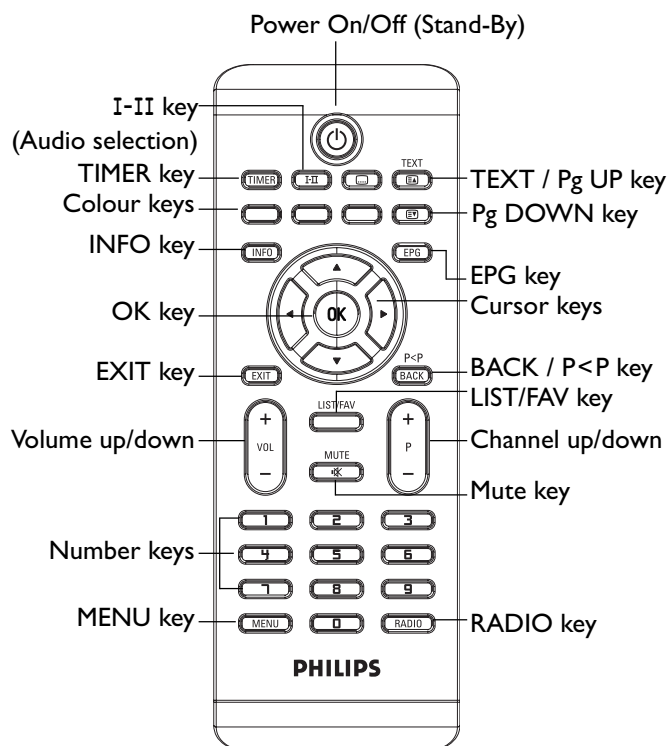
0870 900 9070

Please make sure that you have the model number of your set top box, before contacting us. The label showing the type and serial number is underneath your receiver.

Note: For optimum placement and use of product, ensure that the rear of the product is placed at least 10 cm from the edge of the table or shelf.

Identification of Parts

Remote Control



Batteries are removable from the remote using common household tools (like a screwdriver...)

The batteries supplied do not contain hazardous substances such as Mercury, Cadmium, or Lead.



However, they must not be disposed of with your household waste but to a local separate collection system.

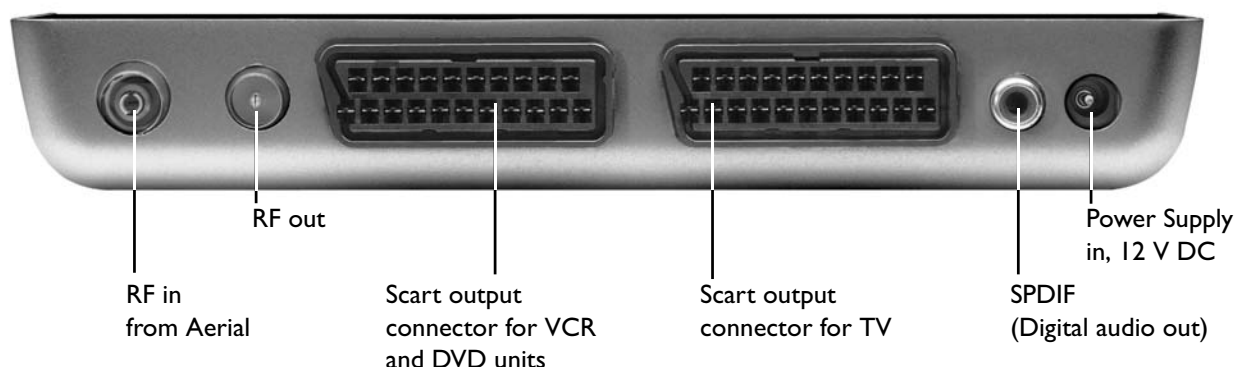
Digital Set Top Box

Front view

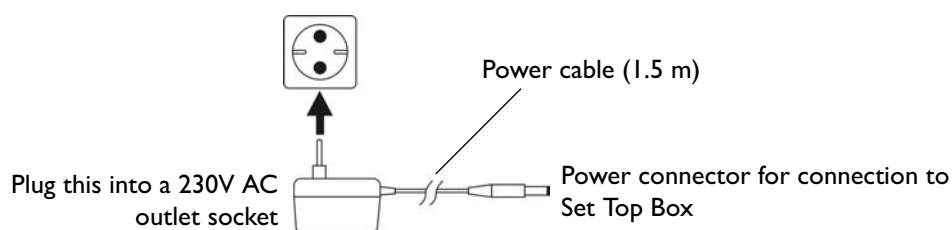
IR Receiver / Blue LED,
Normal Operation - off,
Stand-by - on



Rear view



Mains Adaptor



The Remote Control

Using the Remote Control

To use the remote control, point it towards the front of the set top box.

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

Warning:

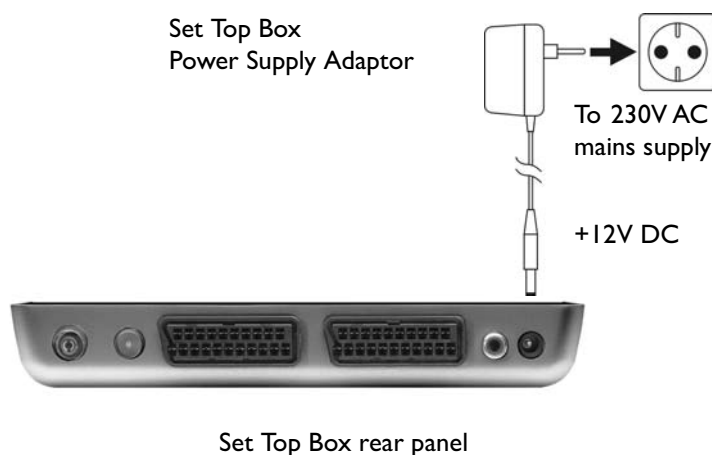
Sunlight or very bright light will decrease the sensitivity of the remote control.

Note that the only recommended way to disconnect the Digital Set Top Box from the mains supply is to remove the adaptor from the mains socket. If the mains socket is fitted with a switch, this could be used instead.

Mains adaptor

A mains power adaptor has been supplied for powering this equipment. It has an integral cable terminated in a power connector to plug directly into the 12V connector on the back of the Digital Set Top Box. The adaptor is shown on the right.

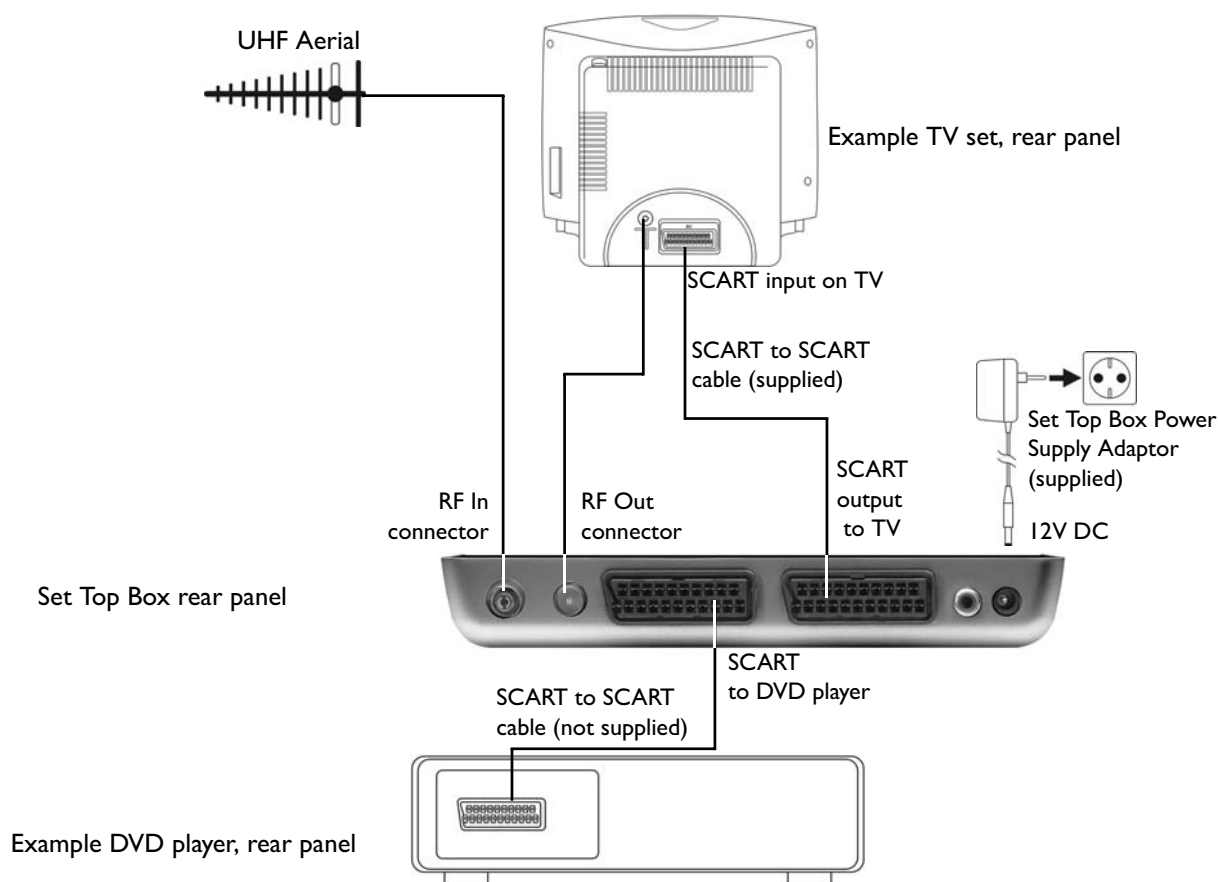
Plug the cable into the 12V DC connector on the rear panel. Insert the adaptor body into a suitable mains outlet socket.



Connecting Your Digital Set Top Box to other equipment

The following diagrams are of typical configurations only, and may differ slightly to your existing external equipment. If you are unsure on how to connect to your set top box, always consult your manufacturer's user guide supplied with your equipment.

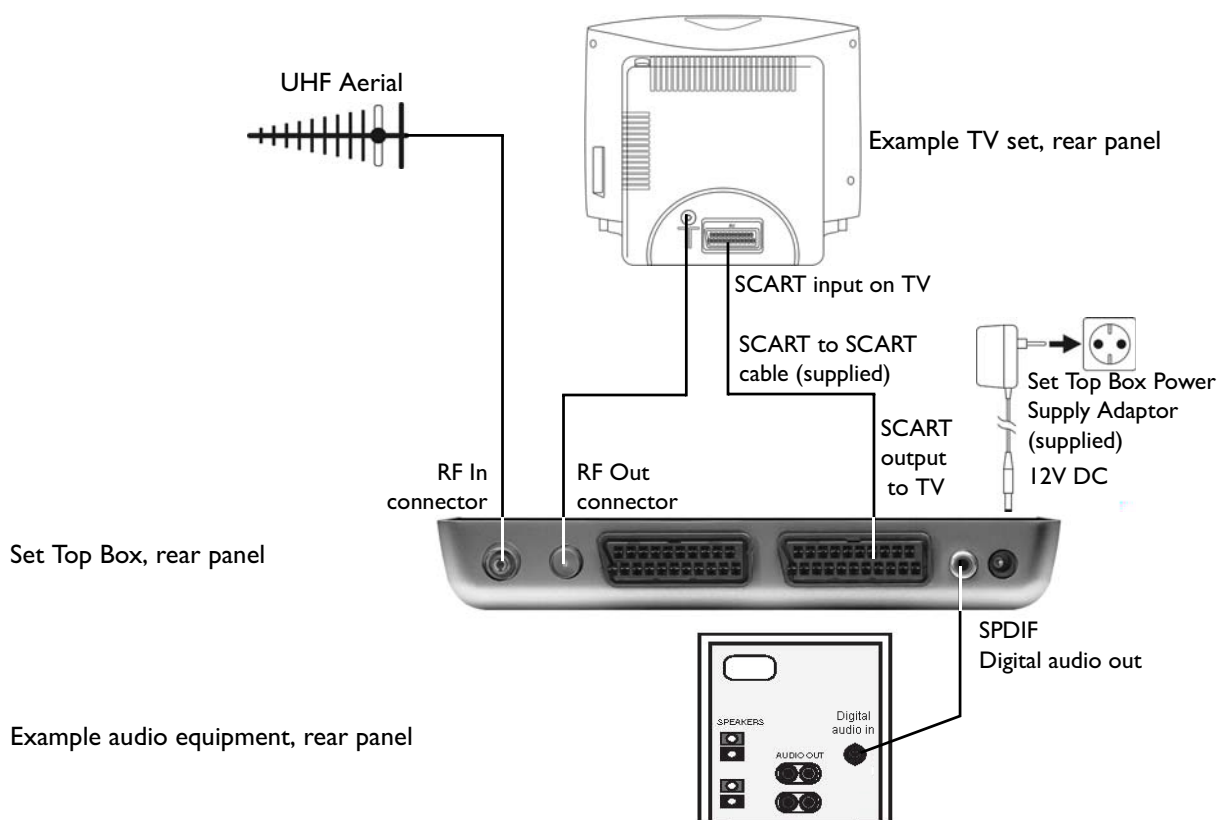
Connecting to a Television and DVD player



If you decide to connect a DVD player or recorder to the VCR Scart of your digital receiver, we advise to set the DVD output format to CVBS or PAL. Refer to the user manual of your DVD player or recorder.

You can use a S/Pdif connector to connect your Set Top Box to a digital sound input device, such as a receiver.

Connecting to a TV and audio equipment



Switching on for the first time

- 1 Connect your equipment according to the appropriate system diagram given on the previous pages and power up/turn on the equipment.

During initialisation the indicator on the front panel will flash for a few seconds and then remain off. If the indicator is blue (stand by) press the **Power** key on the remote control.

The front panel indicator will now be off.

- 2 To switch off the set top box, press **Power** again.

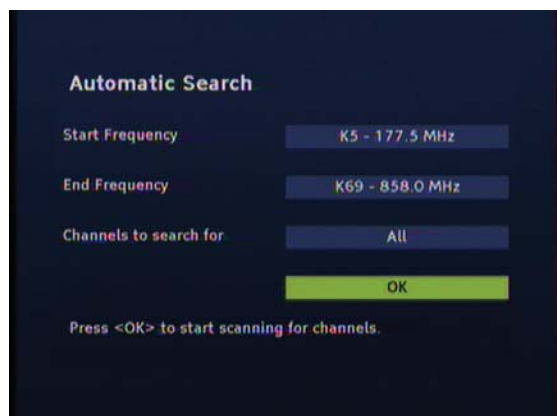
With the Set Top Box on, the **First Time Installation** window displays.



- 3 Select the **Country**:
Use the **arrow keys** ◀ or ▶ to choose either United Kingdom or Ireland.
- 4 Select the **Screen Format**:
Use the **arrow keys** ◀ or ▶ to choose either 4:3 or 16:9 / Widescreen-TV.
- 5 Select the **TV Output Format**:
Use the **arrow keys** ◀ or ▶ to choose either **RGB**, **Video (CVBS)** or **S-Video (Y/C)**.
- 6 Then highlight the **OK** field by using the **arrow key** ▲ or ▼ and press the **OK**-key to start installation.

Note: Settings can be changed later again.

The next window displays:



Note: The displayed values for the start and stop frequency can be maintained in most cases.

- 7 If desired, change the values for the start and end frequency by using the **arrow keys** ◀ or ▶.
- 8 By means of the **arrow keys** ◀ or ▶, you define the channels to be selected: **all channels**, or channels that are **free-to-air only**.
- 9 Then highlight the **OK** field by using the **arrow keys** ▲ or ▼ and press the **OK** key.

The **Automatic Search** is started. The screen dialogue thereby provides information on the progress of the channel search.



*Note: By pressing the **EXIT** key, you can stop the scan mode at any time.*

The stations found are listed in the centre panel. A progress bar below the listing panel shows the channels searched so far.

As soon as the search is completed, a confirm message is displayed. Acknowledge this and the following message by **OK**, in order to proceed.

When scanning has finished, the received stations are automatically arranged in numerical order.

The TV set then plays the station at the top of this sorted list. The Info box for the TV station playing displays for a short time. The TV station continues to play the program.

Note: Your receiver, as with any electronic equipment, consumes power. In order to reduce power consumption, please switch your receiver to stand-by when not in use. If you will not be using your receiver for a long period of time, we recommend unplugging it from the mains outlet.

Using the Set Top Box

Volume control



- Use the **volume keys** **+** and **-** for increasing or decreasing the volume.

Mute function

By pressing the **MUTE** key, the sound reproduction is stopped. The sound is audible again if you...

- ... press the **MUTE** key again, or
- ... press one of the volume control keys.

Channel List

The Channel List presents a list of all channels found during the channel search. The list comprises radio and TV channels. They have been allocated a channel (reference) number and are listed in this numerical order.

The Channel List can be used to watch and listen to the selected channels.

- 1 Press the **OK** key to display the **Channel List**.



To Watch a channel

- 1 Use the **arrow key** **▲** or **▼** to navigate through the channel list until you reach the channel you want to watch.
- 2 Press the **OK** key to watch the selected channel
- 3 Press **EXIT** to hide the channel list.

Change of channel

You can change the channel in different ways:

- By pressing the **channel key** **P+** or **P-**.
- By pressing the **arrow key** **▲** or **▼**.
- By pressing the **BACK / P<P** key, you switch between the two last selected channels.
- By selecting the channel directly via the channel list.

- By entering the number in the channel list.
For example, to watch channel 801, press key 8, 0 and then key 1.
The entered channel number will be displayed in top left of the TV screen and the TV will show the entered channel.

Add a channel to a Favourites list

The channel list may be very extensive or contain channels that you are not interested in watching.

Via the main menu, you can edit and create up to four favourite lists.

- 1 Press the **MENU** key.
- 2 Select the menu item **Sort Channels** by using the **arrow keys** **▲** or **▼** and press the **OK** key.
- 3 Select one of the **Favourites** lists by using the **arrow keys** **▲** or **▼** and press the **OK** key.



- 4 Press the **yellow key** to gain access to filter options.
You may filter the channel list by criteria such as free or scrambled broadcasts or by provider. You may sort the list by numbers or alphabetically. Use the **arrow keys** to navigate inside the **Filter channels** dialogue.
- 5 Press the **EXIT** key in to close this window after you have made your settings.

Define a channel as a Favourite

The favourites lists contain all channels you have defined as favourites. Channels chosen as Favourites are marked with an asterisk in the channel list.

- 1 Select the channel you want to indicate as a favourite by using the **arrow keys** **▲** or **▼**.
- 2 Press the **OK** key to add the channel to the favourite list.
- 3 Repeat this process with all channels that you want to indicate as favourites.

Note: The previously described functions are also provided to you with regard to the radio channel list.

Press the **RADIO** key to call up the overview for the radio channels. You can return to the TV channel list by pressing the **RADIO** key again.

Sorting channels in the favourite list

You can individually set the sequence of the channels within a favourites list.

- 1 Press the **I-II** key to switch to the favourites list.
- 2 Highlight the channel you want to shift by using the **arrow keys** **▲** or **▼**.
- 3 Press the **OK** key to confirm the channel to be shifted.
- 4 Shift the highlighted channel to the desired position by using the **arrow keys** **▲** or **▼**.
- 5 Press the **OK** key to drop the channel at the desired position.

Deleting channels in the favourite list

- 1 In the favourites list, highlight the channel you want to delete by using the **arrow keys** **▲** or **▼**.
- 2 Press the **red colour key**.
- 3 To delete all the channels in the favourite list, press the **yellow colour key**.

Select a channel from a favourites list

- 1 Press the **LIST/FAV** key to display the first favourites list.
- 2 Press the **LIST/FAV** key again to display the next favourites list.
- 3 Inside a favourites list, select a channel by using the **arrow keys** **▲** or **▼**.
- 4 Press **OK** to watch the selected channel and press the **EXIT** key to close the list.

Channel information

Every time you change the channel, an information banner is displayed.



- 1 Press the **INFO** key to call up the information banner without changing the channel.

The information banner displays the selected channel memory number and the channel name. In addition, the time is displayed on the left edge of the information banner.

The display bar on the right next to the time graphically indicates the program time that has already elapsed. The lower menu line displays the current and the next program including its broadcasting time. After several seconds, the information banner is automatically hidden again.

While the information banner is displayed on the lower screen edge, you can call up the extended information

banner by pressing the **INFO** key again. The extended information banner supplies further details with regard to the current program.



Observe:

- Long text displays on several pages. By repeatedly pressing the **OK** key, you browse the pages (**arrow keys** **▲** and **▼** are also possible).
- If you press the **INFO** or **arrow key** **▶**, information on the next program is displayed. By pressing the **arrow key** **◀**, you return to the information on the current program.

Note: The extended information banner is not automatically closed.

- 2 Press the **EXIT** key in order to close the information banner.

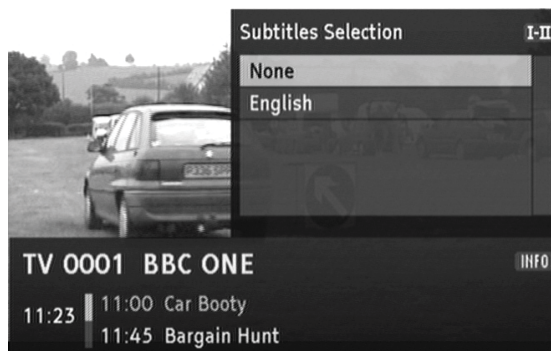
Channel specific options

Some channels provide options such as different camera angles, different languages or teletext.

If a channel provides one or more of these options, the respective key name is displayed in the right corner when calling up the channel, whereby also several options can be displayed, e. g. **TEXT** and **I-II**.



This means that, for instance, a sound, caption, or text selection is provided.



How to use the options:

- 1 Call up the desired channel.
- 2 Press e.g. the **I-II key** for sound selection.

If a teletext is offered, you can call it up by using the **TEXT key**.

Using teletext

- 1 Press the **TEXT key** to call up the teletext.

*Note: You possibly also have to press the **OK key** in order to display the teletext and to specify whether you want to use the teletext of your TV, or that of the receiver.*

Operation in detail:

- Via the **numerical keys**, you can skip to a specific page.
- Via the **MENU key**, you directly skip to page 100, via the **EPG** or **LIST/FAV key** to page 300.
- Via the **arrow keys** **▲** and **▼**, you respectively skip to the next or previous page. For this purpose, you can also press the red or the green colour key.
- By pressing the yellow or the blue **colour key**, you respectively skip 10 pages forwards or 10 pages backwards, relating to the next full unit of ten, e. g. 133 > 140 > 150, etc.
- By means of the **channel keys** **+** and **-**, you respectively skip 100 pages forwards or 100 pages backwards, relating to the next full unit of hundreds, e. g. 462 > 400 > 300, etc.
- Via the **arrow keys** **◀** and **▶**, you can highlight a page number on context pages and directly skip to the selected page by pressing the **OK key**.
- The teletext display is enlarged if you press the **I-II key**. By pressing this key again, the teletext is displayed in its normal size again.
- The automatic turning of a subpage (e. g. page 3/6) is interrupted if you press the **TIMER key**.
- By pressing the **TEXT key** again, the teletext is transparently applied over the TV picture; pressing the key again, completely hides the teletext.
- By using the **BACK / P<P key**, you switch between the teletext and transparent text.

- 2 Hide the teletext by pressing the **EXIT** or **TEXT key**.

EPG

The electronic program guide (EPG) offers you an overview of all programs to be broadcasted in the next week on the current channel.

Observe:

- Not all channels offer EPG.
Many broadcasting services broadcast the current day program but do not offer detailed descriptions.

- Due to the progressive technical development, more and more broadcasting services will extend this offer in the future.

- 1 Select the desired channel.
- 2 Press the **EPG key** to call up the electronic program guide.



The following functions are offered to you by the EPG:

- If you require more information on a program, highlight it by using the **arrow key** **▲** or **▼**, and press the **INFO key**.
- Change to the program of another day by using the **green key** (next day) or the **red key** (yesterday).
- Via the **arrow keys** **◀** and **▶**, you can select programs earlier or later in the day.
- By pressing the **channel +** or **-** key, you can view the EPG for another channel.
- If you want to adopt a program into the timer list, highlight it and press the **TIMER key**. Acknowledge the following request by pressing the **OK key**.

Note: Detailed information on the subject "Timer" can be found in the next paragraph.

- 3 Close the EPG by pressing the **EXIT key**.

Timer

By means of the timer setting, you can switch your receiver on and off at a specific time, for instance, in order to allow for the recording with a video-tape recorder. The device then automatically switches on in the stand-by mode. If the device is already switched on, the device automatically switches to the selected program.

Note: Remember to program your recorder as well.

Adding a program to the timer list

The timer function is included with the timer list via the EPG, see previous paragraph.

- 1 Open the EPG and highlight the desired program.

2 Press the **TIMER** key.



3 Press the **OK** key.

The window is closed and the selected program is stored in the timer list.

Editing the timer list

During the normal program replay, press the **TIMER** key to open the timer list.



Deleting (a) program(s)

- 1 Select the desired program.
- 2 Press the respective **colour key**:
red: the selected program is deleted
yellow: all programs are deleted.
- 3 Press the **OK** key to acknowledge the following request.

Timer editing

- 1 Select the desired program and press the **OK** key.



- 2 Alter the displayed settings by using the **arrow** and **numerical keys**. In doing so, you can:
 - change the date (month and day)
 - the time (starting time and duration)

- the cycle (interesting for series and regularly recurring programs)

- 3 Then highlight **OK** behind **Apply**, and press the **OK** key.

Switching off current timer functions

*Note: During a timer program, only few keys can be activated: **I-II**, the **volume keys + and -**, as well as the **MUTE** key.*

To switch off the timer function:

- 1 Press **On / Off**.

A program message is displayed.

- 2 Press the **OK** key.

Additional functions

Text/MHEG

With the **TEXT** key you may access additional Text and Multimedia contents. MHEG (Multimedia and Hypermedia Expert Group) is a standard that offers you information about various contents like life style, shopping or sports events and results.

- 1 Press the **TEXT** or **RED** key to bring up the text menu for the current channel.
- 2 Use the **arrow keys** **▲** or **▼** to navigate through the menu.
- 3 Use the **OK** key to select an item.

Additionally the four colour keys (Red, Green, Yellow and Blue) help you to navigate through the content of a page. Their use varies for different stations. Function is commonly explained at the bottom of the display.

- 4 Press the **Text** key again to leave the MHEG, or press the **EXIT** key.

I-II

- 1 Press the **I-II** key for quick access to language selection.

TIMER

- 1 Press the **TIMER** key for quick access to the **Timers** menu

LIST/FAV

- 1 Press the **LIST** key for quick access to **Favourite Lists** menu

Settings Menu

- 1 Press the **MENU** key to open the main menu. The menu item **Box Settings** is highlighted by default.

*Note: You can close any menu by pressing the **EXIT** key.*

- 2 Press **OK**.

The **Box Settings** menu displays:



- 3 By using the **arrow keys** **▲** or **▼**, highlight the desired option and press the **OK** key in order to call it up.

Note: In either case, observe the information texts displayed on the screen. They will help you to select the correct settings.

Selecting and altering the settings is effected as usual by means of the **arrow keys** **◀ / ▶ / ▲ / ▼**.

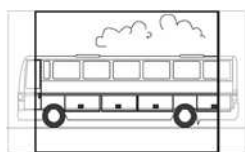
Video settings

Screen format



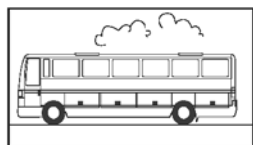
4:3 (Letterbox 16:9)

Reduces films in 16:9 mode for 4:3 format TVs to scale, and for this purpose inserts a black bar above and below on the screen.



4:3 (Pan Scan / CCO)

Presents films in the 16:9 format in a screen-filling manner. With regard to 4:3 TVs, the left and right picture border is cut off.



16:9 format

Presents films on a 16:9 TV in full size.

Picture Scaling

This option allows you to determine the scaling of the picture. The effect of a selected option is visible in the background instantly.

TV output format

For the TV output, the formats **RGB**, **video (FBAS)** and **S-Video (Y/C)** are provided. Here **RGB** presents the correct selection in most cases.

VCR output format

Here you can choose between **video (FBAS)** and **S-Video (Y/C)**.

AFD Automatic

The broadcast picture format may deviate from the picture format to be displayed. AFD recognizes and corrects the presentation if you select the option **ON**.

Restore Default settings

By means of this function you reset the configuration for the picture settings to previous set default values. These settings in most cases allow for an acceptable image & language reproduction.

Language settings

Audio language

Select a reproduction language for the programs.

Second audio language

Select an optional reproduction language for the programs.

Note: If the desired program is not broadcast in the language set under "audio language", the "second audio language" is used.

Subtitle language

Select a language for the subtitles.

Second subtitle language

Select an optional subtitle language for the subtitles, see also "second audio language".

Automatic subtitles

Set this option to **on** if you want to automatically show broadcast subtitles in the selected subtitle language (default: **off**).

Menu settings

Here you can set the display duration time for the Info Banner and the transparency of the menus.

Display duration of information banner

Here you define for how long the information banner, see page 11, is to be shown with regard to a change of channel. If you want to completely eliminate the information banner in case of a change of channel, select **none**.

Automatic information banner

At the start of a new program, the information banner is automatically shown as a default. If you do not want this, select **off**.

Note: This option is only available if the value set under "display duration information banner" is at least 4 seconds.

Transparency

Here you set the transparency of the OSD. If you have difficulties to read the OSD with transparent setting, select **not any**.

Miscellaneous settings

Options here include:

- Time Zone settings
- Audio Format (Mono - Stereo)
This is useful if programs are being broadcasted in multiple languages (right-left channel).
- Dolby settings
- Sorting within channel lists.

Restoring default settings

You can reset the device to default settings. In doing so, the individually composed favourites list is deleted.

- 1 Press the **MENU** key to open the main menu.
- 2 Highlight the item **Box Settings** by using the **arrow keys** **▲** or **▼** and press the **OK** key.
- 3 Highlight the item **Restore Factory Settings** and press the **OK** key.



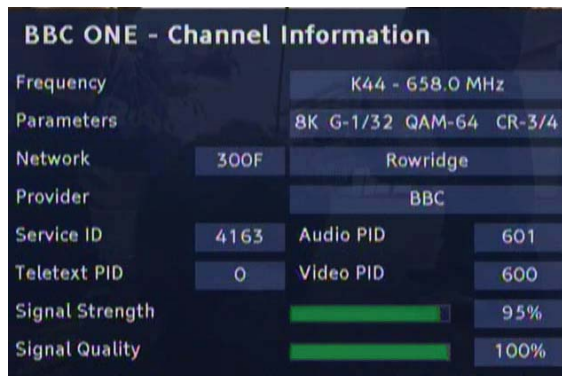
- 4 Set **Yes** by using the **arrow key** **▶**, and press the **OK** key.

The device reboots. It switches off, and shortly afterwards switches on again.
- 5 Carry out an initial installation (see page 9).

Displaying channel and system information / adjusting the antenna

This function solely serves to supply information on one channel. However, you can use it for adjusting your antenna and for improving the television reception.

- 1 Press the **MENU** key to open the main menu.
- 2 Highlight the item **Technical Information** by using the **arrow keys** **▲** or **▼**, and press the **OK** key.
- 3 Select the item **Channel Information** and press the **OK** key.



- 4 Adjust your antenna so that the two specifications **signal strength** and **signal quality** display a preferably high value.

Note: Depending on your antenna, you can possibly also carry out settings on your antenna.

- 5 Press the **EXIT** key once and acknowledge the selection **System Information** by using the **OK** key.
Here you find technical information on your device. This information normally is only relevant with regard to support.
- 6 Press the **EXIT** key twice to return to the TV program.

Software update

Note: For this purpose, the device has to be set to stand-by operation.

Every night between 1 am and 5 am, the device checks whether a software update is available. If this is the case, you'll receive an according message when switching the receiver on the next time, and you can start the software update.

You can also start the search process manually.

- 1 Open the main menu and select the option **System Information** from the field **Technical Information**.
- 2 Highlight the item **Software Update** by using the **arrow keys**.
- 3 Press the **OK** key to start the software update.

Channel search

In the main menu you can choose between **Automatic Search** and **Manual Search**.



After the initial installation, it may be required to search for channels again, or to add specific channels that are additionally broadcasted.

Note: In order to carry out a new initial installation, you have to reset the device to its default settings, see page 15.

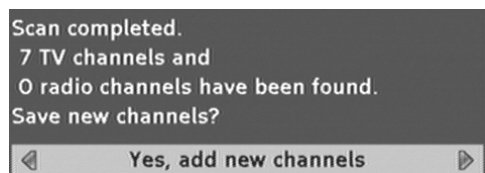
Automatic Search

This scan mode usually is the appropriate one, because during this scan mode normally all channels are found automatically.

1 Highlight **Automatic Search** and press the **OK key**.

2 Press the **OK key** to start the automatic scan mode

Following, the scan mode is started. After the search is completed, the following is displayed:



3 By using the **arrow key** ◀ or ▶, choose whether

- the channels found are to be added to the old list (standard setting),
- the old channel list is to be overwritten,
- the new found channels are to be discarded.

4 Press the **OK key**.

Manual Search

This type of scan mode enables the specific search for an individual channel. This in particular makes sense if you only want to include one individual channel into your channel list and you know the information on the channel and frequency.

1 Highlight **Manual Search** and press the **OK key**.



2 Successively select the adjustable values by using the **arrow key** ▲ or ▼.

- The desired **Frequency** is set by pressing the **arrow key** ◀ or ▶.
- The **Frequency in MHz** is entered via the **numerical keys** of the remote control.
- The desired **band width** is set via the **arrow keys**.

3 Choose whether **all channels** or channels that are **free-to-air only** are to be searched for.

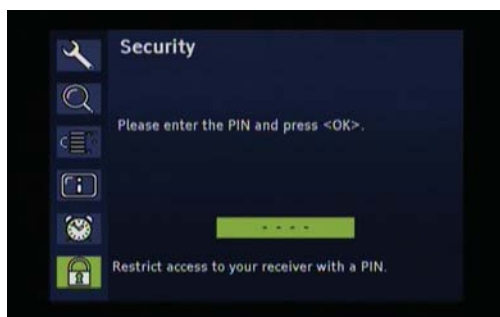
4 Then highlight **OK** and press the **OK key** to start the expert scan mode.

Following, the scan mode is started.

- If some channels were found, you receive the same request as with regard to the automatic scan mode, see previous paragraph.
- If no channels were found, a message is displayed. Press the **OK key**.

Security

- 1 Press the **MENU** key.
- 2 Highlight the item **Security** by using the **arrow keys** and press the **OK** key.
- 3 Enter the PIN code and acknowledge by **OK**.



Note: The PIN code is set to 0000 at delivery. Also observe the displayed information. It will help you to select the correct settings.

Observe:

- Selecting and altering the settings is carried out as usual by means of the **arrow keys**.
- A displayed window can be closed by pressing the **EXIT** key.

PIN lock

Set this option to **on** if you want to protect your complete device against unauthorized access.

When the receiver is switched on the next time, the PIN request is effected (the PIN code is set to 0000 by the factory).

Menu lock

Set this option to **on** if you want to protect your menu against unauthorized access.

When the menu is called up the next time, the PIN request is effected (the PIN code is set to 0000 by the factory).

Protection of minors

Here you can define a minimum age for specific programs. These programs are PIN protected and are only unlocked by a PIN request.

Changing device PIN

Here you can set your personal PIN code.

- 1 Press the **OK** key.
- 2 For this purpose, enter the current PIN code and acknowledge by pressing the **OK** key.
- 3 Following, enter your new PIN code and press the **OK** key.
- 4 For acknowledging your new PIN code, enter it again and press the **OK** key.

Radio

Note: A digital radio program currently is not broadcast in all countries via antenna.

- 1 If a digital radio program is broadcast, press the **RADIO** key to receive it.
- 2 In order to view the TV program again, press the **RADIO** key again.

Troubleshooting

If you experience an operating problem with your Digital Set Top Box, please refer to the trouble-shooting table below and then the notes that follow.

Symptom	Possible cause	Remedy
No picture and no sound	No channel list or wrong channel list	Do an automatic station scan
	Short circuit in aerial lead	Turn off receiver, remove short circuit and then turn on again
	Defective or missing cable connection	Check all cables
	Poorly adjusted aerial	Adjust aerial
	Loose connectors or cable too long	Check connectors and shorten cable
	No Freeview coverage in your area	Please call 08708 809980 or text your post code to 83331 (standard network charges apply)
No picture or picture is blocky in appearance	Aerial too small	Use a bigger aerial
	SCART connector not fully plugged in	Check SCART connector
Sound but no picture	Aerial poorly adjusted or defective	Check aerial
	Program is being broadcast with altered parameters	Do an automatic search (see Advanced Installation)
	SCART connector not fully plugged in	Check SCART connector
Cannot receive station that you could receive before	Program is no longer broadcast	None
	Interference with „DECT“ phones or wireless equipment	Move phone/wireless equipment away from the receiver to a location where interference ceases
	Program is being broadcast with altered parameters	Do an automatic search (see Advanced Installation)
Remote control is not working	Obstacle in between remote control and receiver	Remove obstacle
	Transport stream defect	Unplug receiver and then plug in again
	Flat battery	Replace battery
Certain stations cannot be received from time to time	These services are not transmitted 24 hours a day and can sometimes be unavailable. This is not a fault.	
STB cannot be controlled	Obstacle in between remote control and receiver	Remove obstacle
Poor image quality or no colours	Wrong TV SCART out signal	Try changing from RGB to CVBS or vice versa (see Configuration)
	Inappropriate video type selected	Set video output according to TV set video requirements (see Configuration)
You have forgotten or lost your PIN code	Reset from the Parental Control Screen. To access the Parental Control Screen, use the following 4-digit code: 8111. Keep this code secret to prevent others from using it.	

If none of the above suggestions seem to work, try switching your Set Top Box off and then on again. If this does not work, contact either your supplier or a qualified repair technician. Never attempt to repair your set top box yourself.

General

- DVB terrestrial Free-To-Air receiver compliant to EN 300 744
- MHEG5 and LCN support
- UHF frequency range support
- Video and Audio out via 2x SCART
- Digital audio out
- Fast channel search
- Reed-Solomon decoding support (EN 300 744)
- Automatic FEC selection (1/2, 2/3, 3/4, 5/6, 7/8)
- MPEG2 Transport Stream support: ISO/IEC 13818-1
- DVB-Video/-Audio support: ISO/IEC 13818-2, -3
- Update-Over-Air accordingly to BBC-SSU procedure
- slim line housing

Base specification

- QPSK / QAM16/64 demodulation compliant to DVB terrestrial standard EN 300 744
- COFDM 2k and 8k
- UHF support (474...862 MHz)
- 8 MHz channel bandwidth
- Guard Interval Modes: 1/32, 1/16, 1/8, 1/4 active symbol duration
- Fast PLL tuning speed: step size 62,5 kHz / 166,67 kHz

Input /Output

2x SCART (VCR & TV) out

- TV SCART video out: CVBS, Y/C, RGB
- VCR SCART video out: CVBS, Y/C
- switching signal: 0 / 6 / 12V
- Audio out (left/right)

Digital audio out (S/PDIF)

RF input

connector IEC60169-2 female

- termination 75 Ohm
- Return Loss: min. 6 dB (75 Ohm)

Loop-Through of RF signals

- output termination 75 Ohm

Power Supply

- Power supply 230VAC/50Hz to 12VDC
- Operation power consumption: 7 W
- Maximum stand-by mode consumption: 5 W

Accessories

- Receiver ca. 200 x 95 x 33 mm
- Power Supply
- SCART/SCART cable
- Remote Control
- 2 Batteries (for remote control)
- Instruction manual

Temperature

- Temperature-Range +5 °C...+40°C

This product is in conformity with the requirements of the 95/47/EC and 2002/21/EC directives.

The product complies with the following European council Directives: 73/23/EEC, 93/68/EEC and 89/336/EEC.



Guarantee

This set top box is guaranteed for 12 months from the date of original purchase. If any defect arises due to faulty materials or workmanship, the set top box will either be replaced, a refund given or repaired free of charge (where possible) during this period by the dealer from whom you purchased.

The guarantee is subject to the following provisions:

- The product must be correctly assembled and operated in accordance with the instructions contained in this user guide.
- The guarantee does not cover accidental damage, misuse, or consumable items.
- The guarantee will be rendered invalid if the set top box is resold or has been damaged by inexperienced repair.
- The manufacturer disclaims any liability for incidental or consequential damages.

This guarantee is in addition to and does not diminish your statutory, or legal rights.

