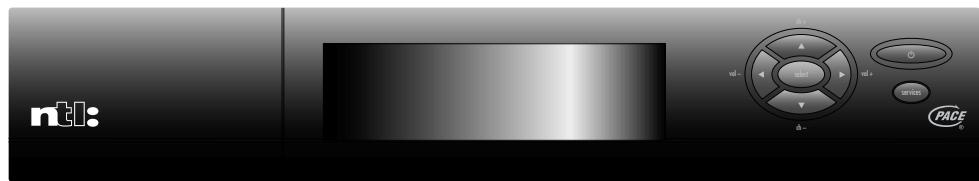


# technical guide

ntl:



Pace Digital Cable Set-Top Box

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# Safety information

## Using equipment safely

This set-top box has been manufactured to meet international safety standards, but you must take care to operate it safely.

It is important that you read these safety instructions. If you have any doubts about the installation, operation or safety of this set-top box, please consult your supplier.



**Remember that contact with AC mains can be lethal or can cause a severe electric shock. To avoid this risk:**

- ⚠ Never remove the top cover from this set-top box. There are no user-serviceable parts inside it, but there are some high-voltage live parts.
- ⚠ Make sure all electrical connections are properly made.
- ⚠ Do not connect any equipment to the mains supply until you have properly connected all the other leads.
- ⚠ Disconnect the set-top box's mains plug from the mains wall-socket before you disconnect any equipment from the set-top box's rear panel.
- ⚠ Never push anything into holes, slots or other openings in the case (except a smartcard into its proper slot).



- ✗ Do not use or store the set-top box in hot, cold, damp or dusty places.
- ✗ Do not block the ventilation holes of the set-top box. Never stand it on soft furnishings or carpets.
- ✗ Do not put anything on the set-top box which might spill into it.
- ✗ Do not place the set-top box in an unventilated cabinet or on top of a unit which emits heat (e.g. a video recorder).
- ✗ Do not stack any units on top of the set-top box. Leave a gap of at least 5 cm above and around it to allow for adequate ventilation.

# Connections to your set-top box

**Please read the following guidelines before you make any changes to your set-top box's connections.**

Your set-top box should already have been connected up by a qualified installation engineer. However, you may occasionally wish to make changes to its connections.

The diagrams on the following pages show you:

- how to disconnect and reconnect your set-top box, for example if you wish to move your TV or set-top box;
- how to connect your set-top box to other equipment, such as a remote accessory.

The diagrams are not to scale and are shown in a simplified form; your TV, video recorder, etc. may have different or additional connectors or different rear-panel layouts.

With the exception of the mains lead, all the interconnections between the rear panel of your set-top box and the equipment connected to it are SELV (safe, extra-low voltage) circuits.

## **Note**

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If your set-top box connection is not like any of those shown, you can use the diagram on page 10 to note how your set-top box is connected up.

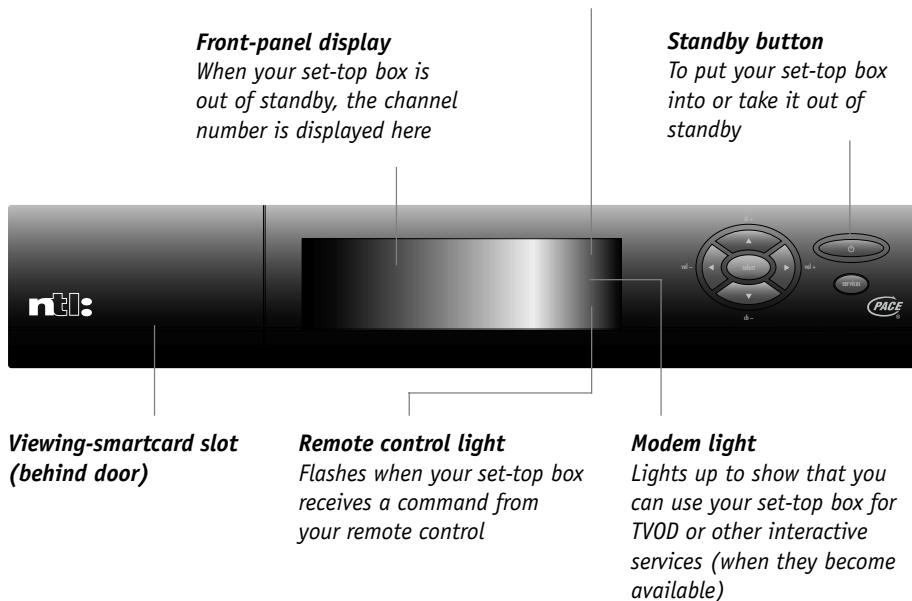
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## **Unplugging from the mains supply**

The only way to disconnect this set-top box from the mains is to remove the mains lead plug from the mains socket-outlet. Therefore the set-top box must be installed near to the mains socket-outlet, which should be easily accessible.

Whenever you disconnect the set-top box from the mains supply, always remove the plug from the mains socket-outlet **before** you remove the 2-way connector from the mains connector on the rear panel of the set-top box.

## Front panel



## Rear panel

### POWER (mains input) connector

For the mains lead

### USB connector

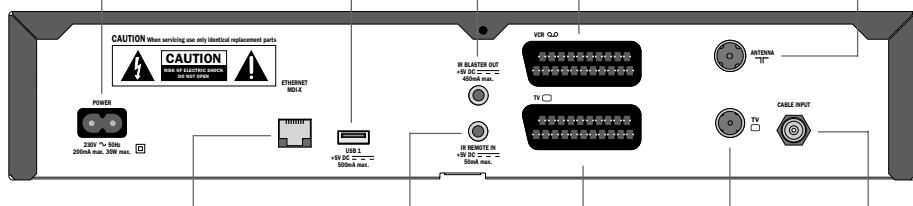
To connect an external peripheral, such as a printer (for future use)

### IR BLASTER OUT

To connect an IR blaster to operate other equipment with your remote control (for future use)

### ANTENNA (aerial) RF connector

Connect the lead from your TV aerial here



### ETHERNET connector

To connect a computer (for future use)

### IR REMOTE IN

To connect a remote accessory (for future use)

### TV RF connector

Connect the RF (coaxial) lead to your TV here

### TV SCART connector

If your TV has a SCART connector, connect its SCART lead here

### CABLE INPUT

## WARNING!

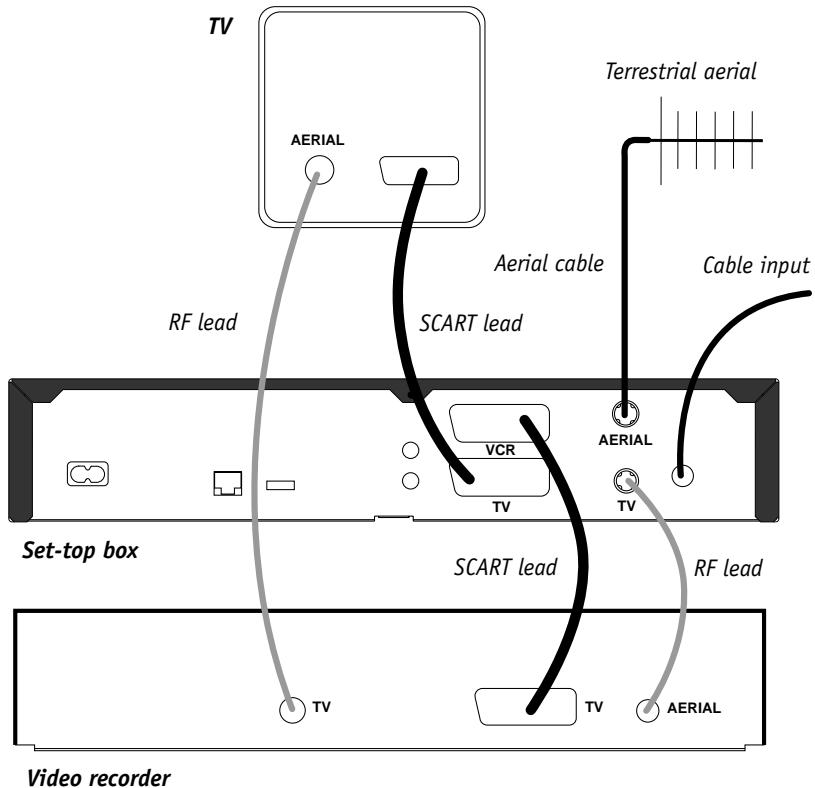
Before you connect your set-top box to any other equipment, you must disconnect ALL the equipment from the mains supply.

## Connecting to a TV and video recorder

If you are simply reconnecting your TV and video recorder to your set-top box, connect as shown in the diagram below.

If you do not have a video recorder, connect the RF lead directly between the TV output connector on your set-top box and the aerial input connector on your TV.

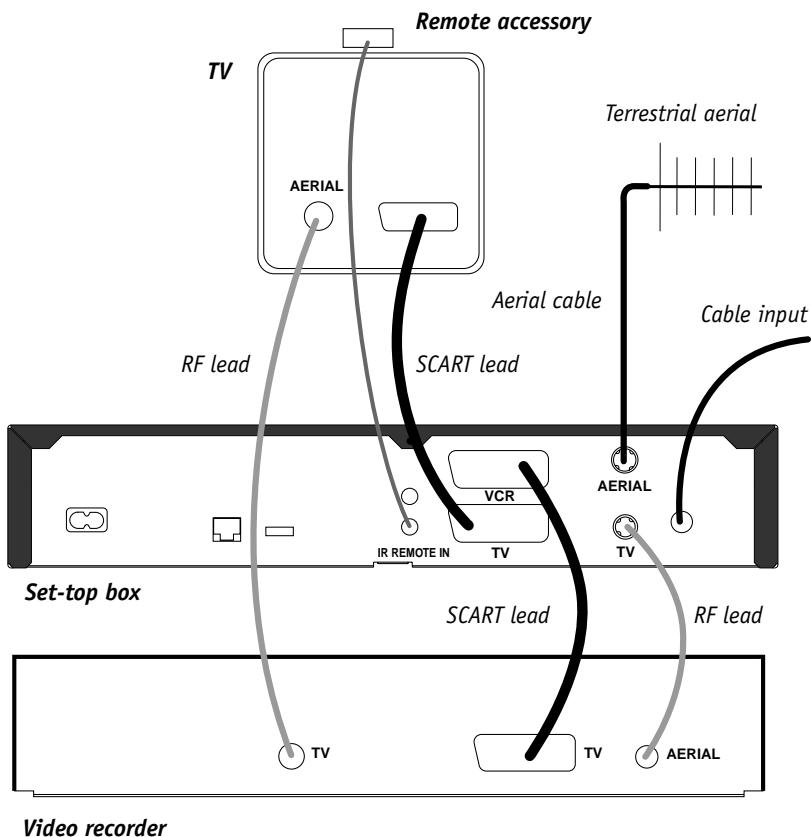
If your TV and/or video recorder do not have SCART connectors, just connect everything using the RF leads, as shown by the thinner, grey lines in the diagram.



## Connecting a remote accessory (for future applications)

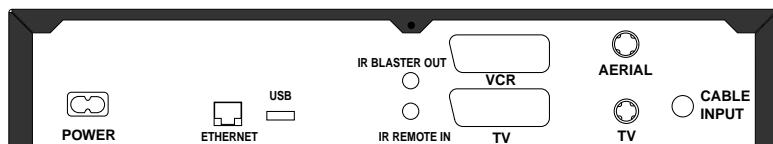
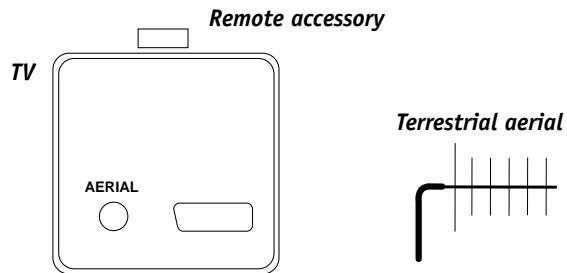
If you keep your set-top box in a cabinet, or if your TV is in a different room from your set-top box, you can connect a remote accessory, as shown. (Remote accessories are available from your cable service provider.)

Using the lead supplied with your remote accessory, connect it to the connector labelled IR REMOTE IN.



## Your set-top box connections

Before you disconnect your set-top box from the other equipment, you may wish to make a note of your set-top box's connections. You can use the following diagram, showing the rear panels of various pieces of equipment, to do this. (You may need to draw in extra connectors, if your equipment is not like that shown.)



*Set-top box*



*Video recorder*

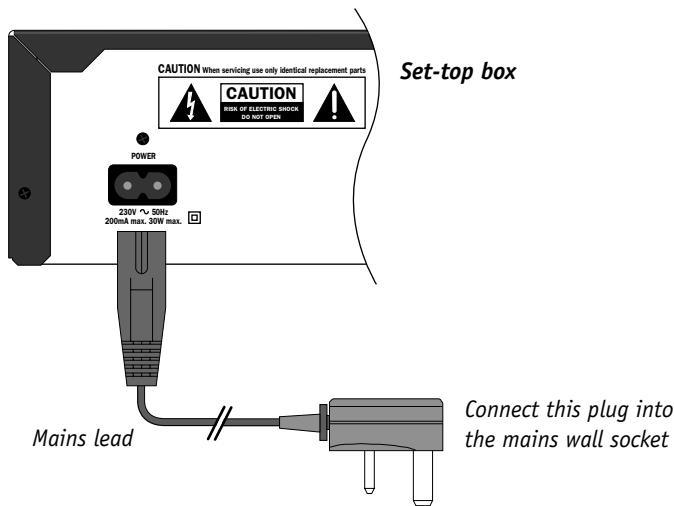
## Plugging into the mains supply

**You must not plug your set-top box into the mains until you have connected your set-top box to the other equipment in your system.**

On the rear panel of the set-top box, there is information which specifies the correct mains supply for the set-top box. Do not connect the set-top box to any supply other than this.

Insert the 2-way connector on the supplied mains lead into the mains connector on the rear panel of your set-top box, as shown below.

Connect the plug on the other end of the mains lead into the mains wall socket (and then switch it on, if there is a switch by the mains wall socket).



**If you are in any doubt about the mains lead, its plug or its connection, consult a competent electrician.**

Immediately after you connect your set-top box to the mains, you will see the word **PACE** on the front-panel display. After a few seconds, four dashes (— — — —) will appear. Your set-top box will then tune to the channel you were most recently watching and the channel number, for example **1**, will appear on the front-panel display.

# Specification

Due to continued product improvement, this specification may change without notice.

## General

|                             |  |
|-----------------------------|--|
| Operating voltage           | 230 V AC $\pm 15\%$ ; 50 Hz                                |
| Power consumption           | 30 W (max.)  |
| Weight                      | 2.9 kg (packed)  |
| Dimensions (W x H x D)      | 380 mm x 73 mm x 255 mm                                    |
| UHF modulator               | CCIR PAL System I; Ch. 21 to 69<br>(factory setting is 52) |
| Operating temperature range | +5°C to +40°C  |
| Storage temperature range   | -25°C to +55°C   |

## Rear-panel connectors

|   |  |
|---|--|
| POWER (mains input)   | IEC 83 2-pin reversible                      |
| ETHERNET MDI-X  | RJ-45 female; IEEE 802.3                     |
| USB   | Single type A; +5 V 500 mA max.              |
| IR BLASTER OUT  | Stereo mini jack 3.5 mm;<br>+5 V 450 mA max. |
| IR REMOTE IN  | Stereo mini jack 3.5 mm;<br>+5 V 50 mA max.  |
| VCR  | SCART (composite video in/out; RGB in)       |
| TV   | SCART (composite video out; RGB out)         |
| ANTENNA (RF input)  | IEC 169-24 female                            |
| TV (RF output)  | IEC 169-24 male                              |
| CABLE INPUT   | F-type female                                |

## Note

Before you connect peripheral devices to the set-top box, you must make sure that they are compliant with all relevant national regulations. If you make connections to the following sockets, you must use only the cables specified (or their equivalent):

| Socket         | Cable                        |
|----------------|------------------------------|
| USB            | Belkin F3U133-xx-GLD         |
| ETHERNET MDI-X | M.H. Connectors MHUTPx00-B-R |

(where x and xx are designators for cable length)



The product complies with the following European Council Directives:

- 73/23/EEC (the Low Voltage Directive) as amended;
- 89/336/EEC (the EMC Directive) as amended;
- 1999/5/EC (the R&TTE Directive) as amended.

# Electrical information

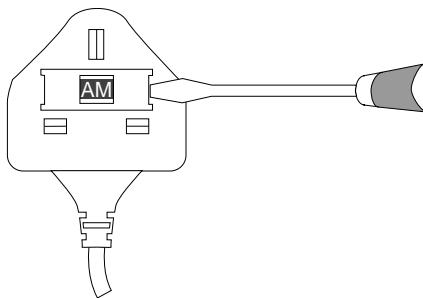
## Mains plug and its fuse

The supplied mains plug is a non-rewireable type.

If you need to replace the fuse, you must use an ASTA- or BSI-approved BS 1362 fuse, rated at 3 A and marked as shown below.



The plug has its fuse beneath a fuse cover on its face. Use a screwdriver to lever off the fuse cover, replace the fuse with a new one and refit its cover. **Never use a plug if its fuse cover is missing.**



## WARNING!

If the supplied mains plug is not suitable for your mains socket-outlet, DO NOT plug it in. Remove its fuse and then cut the plug off the lead. Destroy the severed plug immediately to avoid the shock hazard which would exist if this were to be plugged into a mains socket.

Fit an appropriate mains plug on the lead. If this plug contains a fuse, it should be as described above. If you are using a non-fused plug, an external fuse must not exceed 5 A.



**ntlc**

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