

Pioneer

DIGITAL TERRESTRIAL RECEIVER

DBR-T200GB

Instruction book

SAFETY PRECAUTIONS

Welcome to digital terrestrial television!

The simplest way to get digital television is here. No dish. No cable.

Simply an aerial. It is, without doubt, the most exciting development in television history since the first-ever broadcast in 1936.

In the last 60 years, there have been up to five normal channels on analogue television. Digital terrestrial changes that.

ONdigital is the next step in television. Simply plug in your ONdigital box for a feast of mouth-watering television. ONdigital is the only company that lets you pick and choose the channels you want to watch.

Subscription channels from ONdigital, together with free channels from the BBC and ITV, cover everything from sports and movies to news and current affairs, all with improved picture and sound ... and widescreen too. No need for dishes. No need for cables. Simply ONdigital.

Before using this product, carefully read the "Safety Precautions" and this manual to ensure that you can properly operate this product.

Keep this manual in a safe and convenient place where it can be easily referenced in the future.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

"This equipment has been approved in accordance with Council Decision 98/482/EC for pan-European single-terminal connection to the public switched-telephone network (PSTN). This approval, however, does not unconditionally guarantee successful operation with every PSTN network terminal due to differences between the PSTNs of the various countries. Should a problem occur, contact the dealer where you purchased this equipment."

IMPORTANT

FOR USE IN THE UNITED KINGDOM

The wires in this mains lead are coloured in accordance with the following code :

Blue : Neutral
Brown : Live

If the plug provided is unsuitable for your socket outlets, the plug must be cut off and a suitable plug fitted.

The cut-off plug should be disposed of and must not be inserted into any 13 amp socket as this can result in electric shock. The plug or adaptor or the distribution panel should be provided with 5 amp fuse. As the colours of the wires in the mains lead of this appliance may not correspond with coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black. The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

Do not connect either wire to the earth terminal of a three pin plug.

NOTE

After replacing or changing a fuse, the fuse cover in the plug must be replaced with a fuse cover which corresponds to the colour of the insert in the base of the plug or the word that is embossed on the base of the plug, and the appliance must not be used without a fuse cover. If lost replacement fuse covers can be obtained from: your dealer. Only 5 A fuses approved by B.S.I. or A.S.T.A to B.S. 1362 should be used.

IMPORTANT



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:

TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



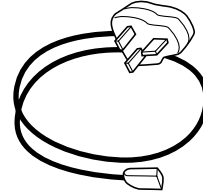
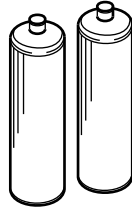
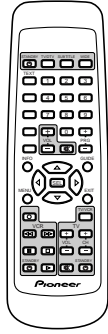
The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

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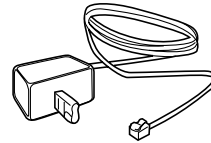
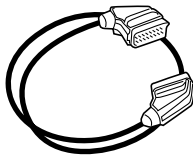
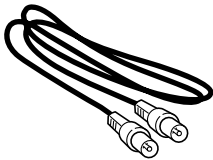
INCLUDED ACCESSORIES

- Remote Control Unit
- Two AA/RO6 or rob batteries
- Mains lead



This is provided separately. Plug it into the main power supply.

- Aerial/RF lead
- SCART lead
- Telephone modem cable



Connects the ONdigital box to the video or TV. (Refer to the illustrations on the following pages.)

Connects the TV SCART socket to the ONdigital box SCART socket. (SCART sockets are usually labelled EXT or AV.)

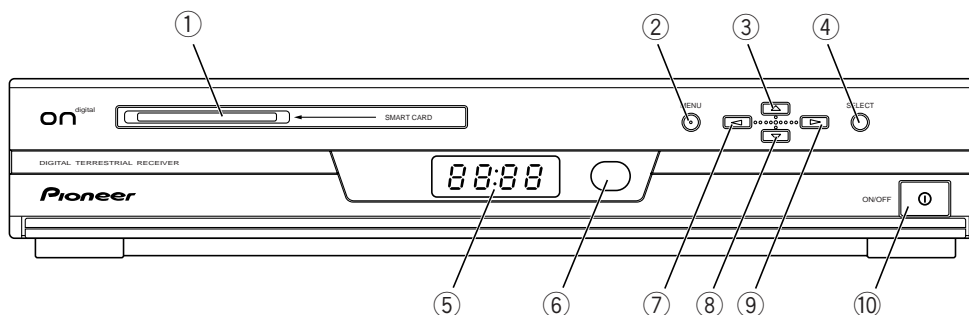
The modem cable is provided for future interactive services.

- ONdigital envelope (includes ONdigital Quick set up guide)
*A Smartcard is appended.

OPERATION PANEL FEATURES AND FUNCTIONS

Front and Back Panels

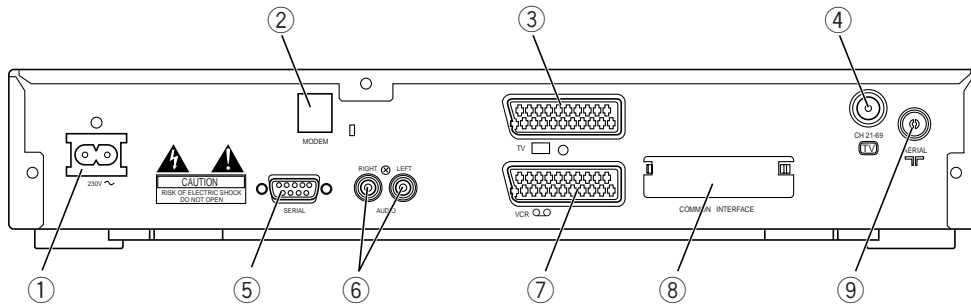
Front View (Front Panel)



- ① **Smartcard slot**
- ② **MENU button:**
Displays and closes Main Menu
- ③ **▲ :** Moves the highlight towards the top of the menu
- ④ **SELECT button:**
Displays the channel list while in the TV mode.
Confirms the menu selections
- ⑤ **4-digit LED front indicator light**
- ⑥ **Infrared sensor**
- ⑦ **◀ :** Adjusts menu option settings
- ⑧ **▼ :** Moves the highlight towards the bottom of the menu
- ⑨ **▶ :** Adjusts menu option settings
- ⑩ **Main Switch button**

OPERATION PANEL FEATURES AND FUNCTIONS

Rear View (Back Panel)

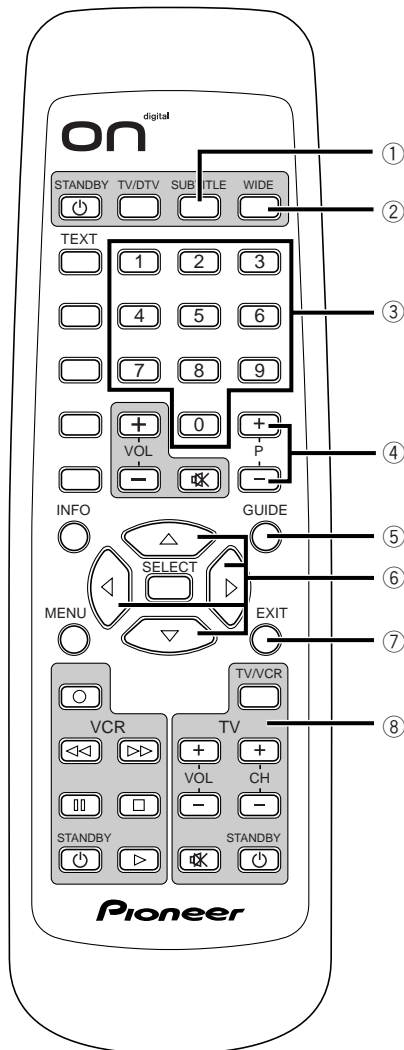


- ① **230 V, 50 Hz main lead socket (excessive voltage)**
- ② **RJ11 telephone line connector (TNV*)**
NOTE:
Required for pay-per-view and other interactive applications.
- ③ **SCART** socket for TV set (SELV***)**
- ④ **UHF**** aerial output for TV set (SELV***)**
- ⑤ **RS-232C***** serial port socket (SELV***)**
NOTE:
Not required for current application but necessary for the future services.
- ⑥ **Audio-sync outputs for stereo system (SELV***)**
- ⑦ **SCART** socket for VCR (SELV***)**
- ⑧ **COMMON INTERFACE (SELV***)**
NOTE:
For future use.
- ⑨ **UHF**** antenna input (SELV***)**

* TNV	: Telecommunication Network Voltage
** SCART	: Euroconnector
*** SELV	: Safety Extra Low Voltage
**** UHF	: Ultra High Frequency
***** RS-232C	: Ready to connect multimedia product.

OPERATION PANEL FEATURES AND FUNCTIONS

Remote Control Unit



- ① **SUBTITLE button**
Press this button to display subtitles on the screen.
- ② **WIDE button**
Press this button to switch between wide-screen and cropped movies.
- ③ **0 - 9 (Numeral) button**
Press these buttons to directly select a channel or to make on-screen menu selections.
- ④ **P (PROGRAM) (+), (-) button**
These buttons are used for channel selection.
- ⑤ **GUIDE button**
Not currently used.
- ⑥ **▲, ▼, ◀, ▶ button**
 - Up/Down buttons: These buttons are used for menu and programme selections when the channel list is displayed.
 - Left/Right buttons: These buttons are used for menu confirmation.
- ⑦ **EXIT button**
This button is used to cancel the menu screen settings.
- ⑧ **Refer to "Setting TV Codes" on page 9 and 51.**

Function of receiver front panel buttons:

- In Standby mode: Pressing any button wakes up the receiver from standby.
- In Normal mode: The buttons have the same function as the corresponding remote control buttons. (See below.)
◀/▶=LEFT/RIGHT; ▲/▼=UP/DOWN

OPERATION PANEL FEATURES AND FUNCTIONS

⑨ TV/DTV button

This button is used to switch between digital and analogue broadcasting.

NOTE:

This button is operative only when your ONdigital box and TV are connected by a scart lead.

⑩ STANDBY button

Switches ONdigital box in and out of standby.

NOTE:

The receiver will not operate unless the main power switch is turned on first.

⑪ TEXT button

Pressing this button selects Text Mode.

⑫ RED, GREEN, YELLOW, BLUE button

These buttons are used for Text Mode and menu screen operation.

⑬ VOL (+), (-) button

These buttons can be used to adjust volume.

⑭ MUTE button

Is used to mute the sound. Pressing the button again turns the sound on again at the volume it was at when muted.

⑮ INFO button

Pressing this button displays the on-screen tv guide.

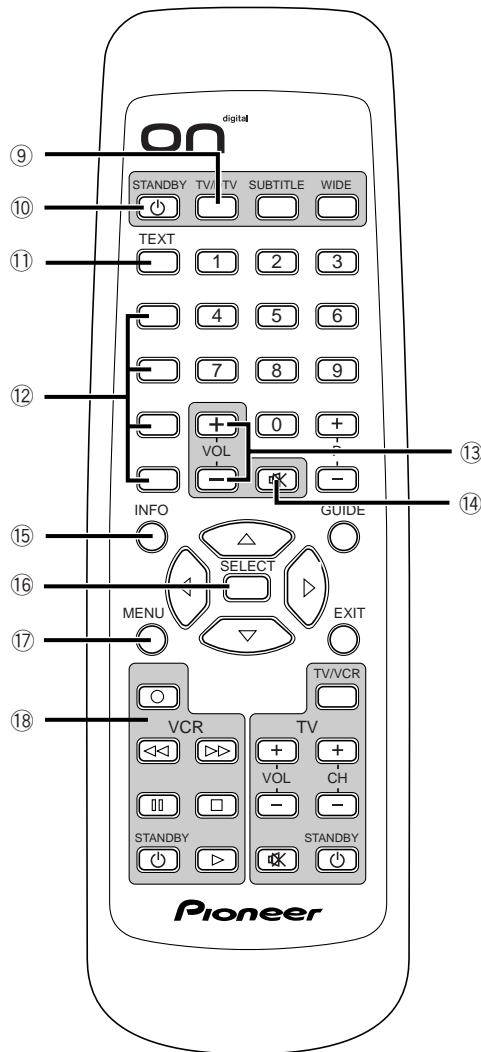
⑯ SELECT button

- When watching a programme, this button is used to display the channel list.
- When the channel list is displayed, this button is used to select a programme.
- When the menu screen is displayed, this button is used to confirm the selected menu item.

⑰ MENU button

Pressing this button displays the menu screen.

⑱ Refer to "Setting VCR Codes" on page 9 and 51.



OPERATION PANEL FEATURES AND FUNCTIONS

This remote controller can directly control the TVs and VCRs of major manufacturers. At the time of shipment the remote controller is preset to operate Pioneer TVs and VCRs.

Setting TV Codes

The remote controller can control the following 7 functions by entering a TV brand code from the attached list.

- TV on/standby (or off)
- TV volume up/down
- TV channel up/down
- Sound mute on/off
- Switch between TV/VCR input

- 1 While pressing the remote controller TV **STANDBY** button (**B** on the illustration), enter the desired 4-digit TV brand code. (Refer to the attached list.) This completes the setting.
- 2 Again pressing the TV **STANDBY** button (**B** on the illustration) will either turn the TV on or set it to standby (off).
- 3 If the TV does not operate, repeat the operation in Step 1 above, or enter a different code for the same brand.

NOTE:

It might not be possible to set some TV brands or models.

Setting VCR Codes

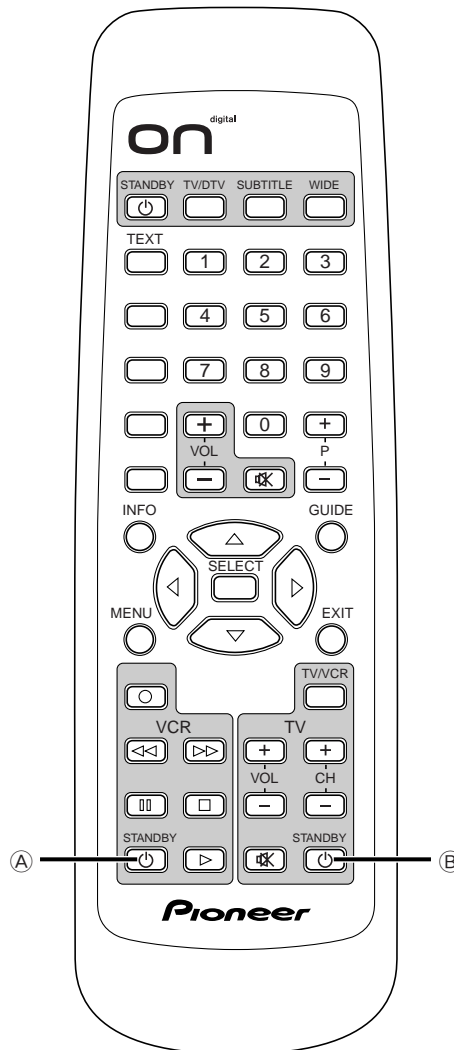
The remote controller can control the following 7 functions by entering a VCR brand code from the attached list.

- VCR on/standby (or off)
- VCR Play, Record, Stop, Pause, Forward, Rewind

- 1 While pressing the remote controller VCR **STANDBY** button (**A** on the illustration), enter the desired 4-digit VCR brand code. (Refer to the attached list.) This completes the setting.
- 2 Again pressing the VCR **STANDBY** button (**A** on the illustration) will either turn the VCR on or set it to standby (off).
- 3 If the VCR does not operate, repeat the operation in Step 1 above, or enter a different code for the same brand.

NOTE:

It might not be possible to set some VCR brands or models.

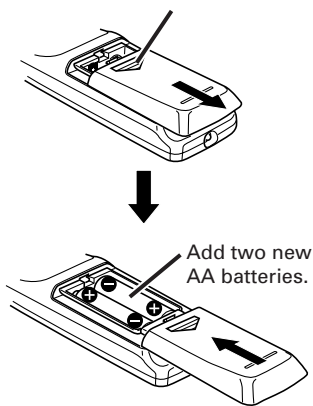


OPERATION PANEL FEATURES AND FUNCTIONS

Putting Batteries in the Remote Controller

The remote controller not only operates the digital receiver but can also control the main functions of major brand TVs and VCRs. Refer to page 50 for programming instructions.

To add or change the batteries, slide open the battery compartment cover on the back of the remote controller by pushing it down and sliding it open.



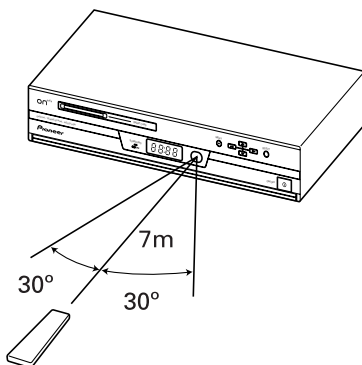
Caring for the Remote Controller

- Do not drop the remote controller.
- Do not get the remote controller wet.
- Do not use or store the remote controller in the following locations:
 - In direct sunlight
 - Near hot objects
 - Areas with high humidity

▲ CAUTION

- Do not mix new and used batteries. Only add all new batteries.
- Do not mix battery brands. Different battery brands may have different voltages even if the same size.
- When not planning to use the remote controller for a long period of time (over one month), remove the batteries to prevent battery fluid leaks inside the remote controller. If a battery leak occurs inside the remote controller, discard the old batteries, wipe out the liquid from the case, and add new batteries.
- The PIONEER batteries supplied with the remote controller do not contain heavy metals, such as mercury, nickel, or cadmium. In many countries, however, the disposal of batteries with household waste is not allowed. Be sure to comply with local regulations when disposing of batteries.
- **The remote controller's brand code setting will only last for about one minute, so to prevent the inconvenience of losing the stored settings, have ready a fresh set of new batteries and add them immediately after removing the old batteries. However, if the remote controller's buttons are pressed while the batteries are removed, the brand code setting will be deleted. Please be careful not to press the buttons while replacing the batteries.**

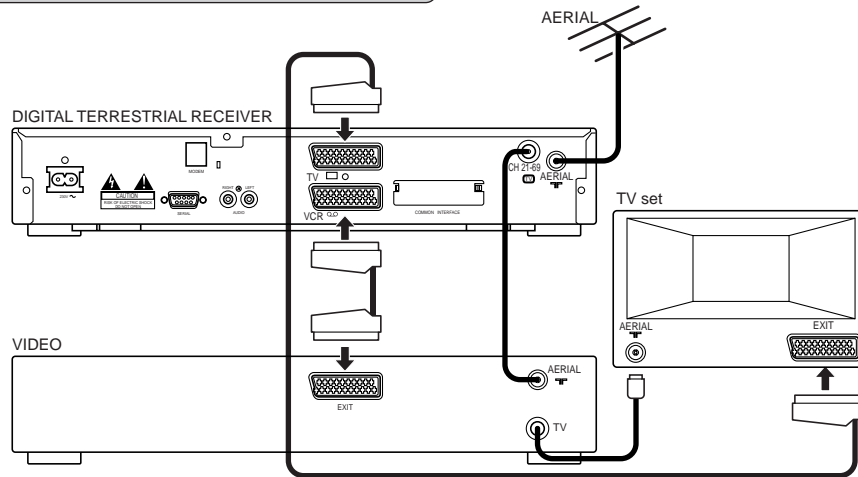
Remote Controller Operation Range



- If an object is blocking the path between the remote controller and the digital box signal sensor the unit might not respond to the remote controller commands. If this happens, remove the obstacle or change your position.
- As the batteries weaken, the range of the remote controller becomes shorter. If the operation range is too short for your preference, replace the batteries.

BASIC CONNECTIONS

Television and VCR with SCART Sockets



NOTE:

Before beginning to make connections, check the current wiring configuration because if the TV and VCR are connected as shown above then the coaxial connection between them does not need to be changed. This connection ensures your current channels can still be recorded.

1

Before making connections unplug all equipment from the main power supply.

2

Connect the included SCART lead to the TV socket of the digital receiver and to the TV.

To obtain the best picture quality and have access to automatic EXT switching, connect to the TV's first EXT AV1 socket.

NOTE:

If you already have a SCART lead, connect it to the digital receiver's VCR socket and to the VCR. This connection provides the best recording and playback quality. Using the VCR EXT AV1 SCART socket will enable you to operate the VCR via the digital receiver.

3

Refer to the above connection diagram to complete the receiver connections.

No further adjustments are required.

BASIC CONNECTIONS

4

Plug all of the equipment, including the digital receiver, into the main power supply.

5

Turn on the TV first and select a channel. Now turn on the digital receiver using the ON/OFF button on the front panel.

"--:--" will be displayed on the front panel.

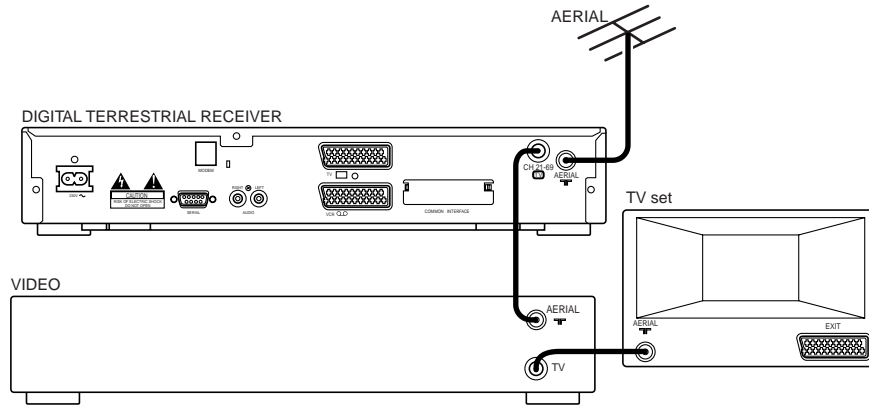
6

Press the  button on the remote controller to wake up the digital receiver.

The receiver will display the "Welcome" screen (refer to page 19).

Now go to the "GENERAL OPERATIONS" section on page 18.

Television and VCR with Only Standard Coaxial Aerial Input



NOTE:

Before beginning to make connections, check the current wiring configuration because if the TV and VCR are connected as shown above then the coaxial connection between them does not need to be changed. This connection ensures your current channels can still be recorded.

- 1 Before making connections unplug all equipment from the main power supply.
- 2 Connect the equipment as shown in the above diagram but do not yet connect the antenna to the digital receiver.
- 3 When you have finished making the connections, plug in the equipment. First turn on the TV and select an unused channel to use for watching digital programmes. Then turn on the VCR.
(At this time it does not matter to what channel the VCR is tuned.)
- 4 Now turn on the digital receiver using the main power ON/OFF button on the front panel.
"---:" will be displayed on the front panel.

5

Press the STANDBY button on the remote controller to wake up the digital receiver.

The receiver will display the "Welcome" screen (refer to page 19) to give you something to look at while you are tuning the TV.

6

Tune the TV.

Now you need to tune the TV channel you have selected for watching digital programmes. If you are not sure how to do this, refer to the TV's operation guide. Store the channel when the "Welcome" screen (refer to page 19) appears on the TV.

7

Connect the antenna to the digital receiver and check if the picture remains steady (no wobbling, interference, or snow).

8

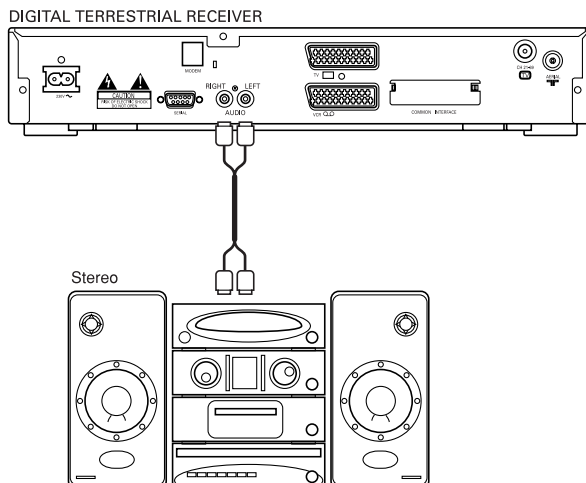
Switch the TV to all the other tuned channels, including the channel tuned for the VCR, and check the picture quality.

If the picture quality is good, go to the "GENERAL OPERATIONS" section on page 18. If there is a picture quality problem even though the antenna is connected, follow the instructions below.

- ① Disconnect the antenna from the back of the receiver.
 - ② Check to make sure the TV is tuned to the channel selected for watching digital programmes.
 - ③ If the "Welcome" message is displayed on the screen, press the **SELECT** button on the remote controller. The Main Menu screen should now be displayed.
 - ④ Select Option **4** "Viewing Preferences" from the Main Menu screen, Option **2** "TV and Video Settings," and then Option **6** "UHF Output Channel."
The current setting for this option, 36, should be changed if there is interference. Select a channel that is far from 36. Press the **RED** button (back) to return to the previous screen and store the setting.
 - ⑤ Repeat the steps from "Tune the TV" to check if the picture quality improves. When the picture quality is satisfactory, go to the "GENERAL OPERATIONS" section on page 18.
-

Connecting to a Stereo

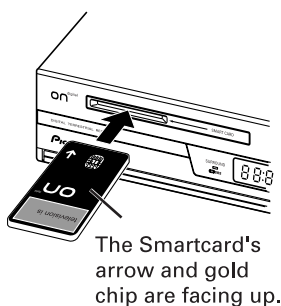
If you need further instructions, refer to the stereo instruction manual.



Inserting the ONdigital SMARTCARD

The viewing Smartcard must be inserted into the Smartcard slot at the front of the receiver in order to view ONdigital channels.

Remove the Smartcard from the ONdigital envelope supplied with the receiver and insert it into the Smartcard slot on the front of the receiver. The arrow should be pointing to the slot and the gold chip should be facing up. Push the Smartcard into the slot until it stops. The end of the card will still protrude from the slot.



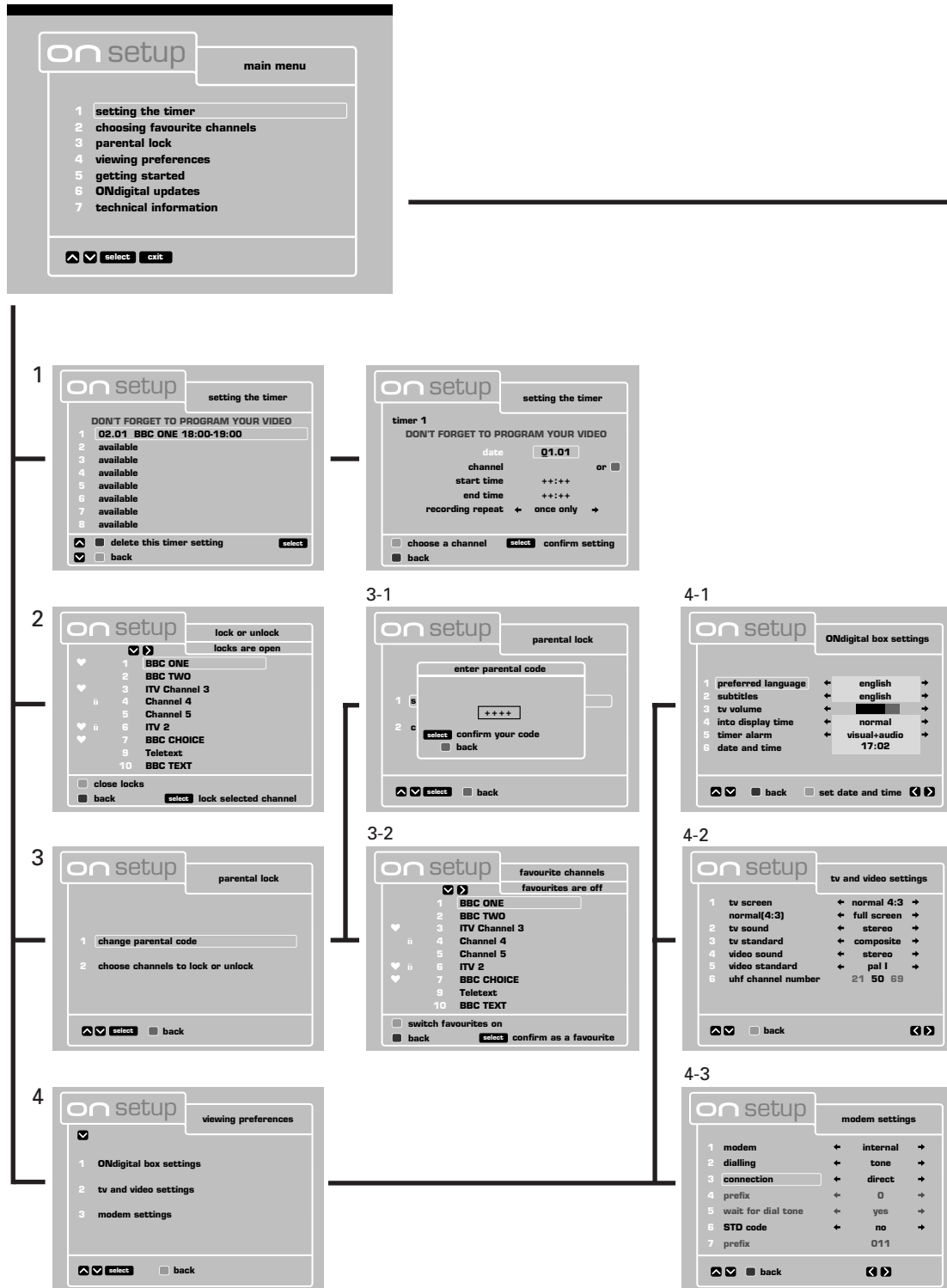
The Smartcard's arrow and gold chip are facing up.

NOTE:

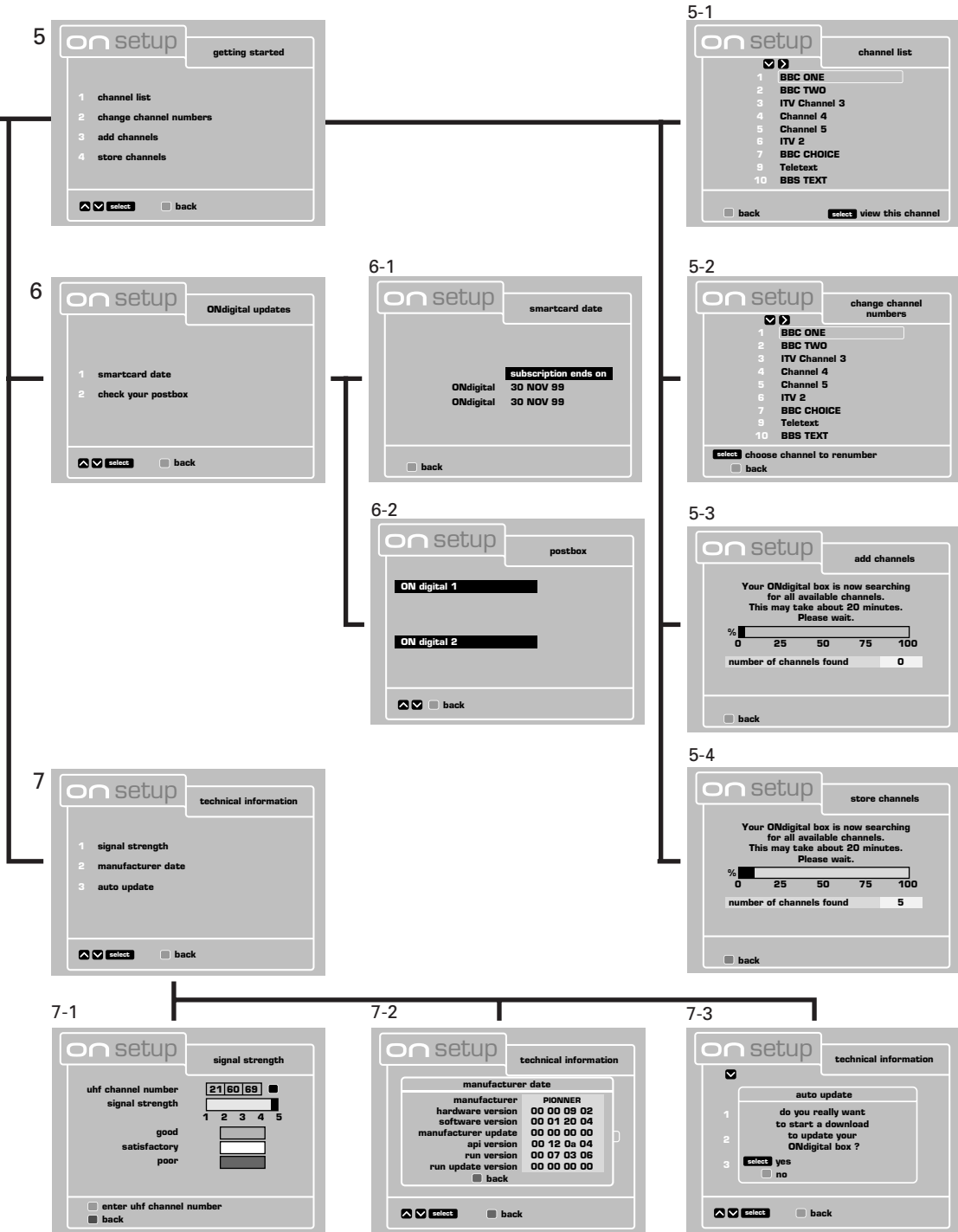
Caring for the Smartcard

- Only insert or remove the Smartcard when necessary.
- Do not bend the Smartcard.
- Do not get the Smartcard wet and do not clean it with cleaning fluids, etc.
- In the event there is any problem about the Smartcard packed with the receiver, get in contact with ONdigital Customer Service at 0870-600-9696.

MENU TREE



MENU TREE



GENERAL OPERATIONS

The digital receiver's frequently-used operations are based on a series of user friendly on-screen displays and menus. The displays provide information to guide you in the use of the digital receiver to help you fully utilize its functions and features from initial installation and channel selection to the use of advanced functions.

All functions can be operated using either the remote controller or the digital receiver's front panel, but for convenience you will probably want to use the remote controller most of the time. You can return to the regular TV picture at any time by pressing either the **EXIT** or **MENU** button.

If you have any trouble operating the receiver, refer to the corresponding section of the instruction manual, including the troubleshooting section, or call ONdigital Customer Service at 0870-600-9696 to speak with a Customer Service advisor.

LOCATING AND STORING CHANNELS

With the digital receiver properly connected you can now begin locating the new channels. The process is also described in the information included in the ONdigital envelope that came with the digital receiver.

NOTE:

At the end of this process, you should call ONdigital customer services on 0870-600-9696 to activate your smartcard.

1

Following both the instructions on page 11 in the **CONNECTIONS** section of this manual or the instructions contained in the ONdigital envelope will cause either the "Welcome" screen or "Main Menu" screen to be displayed on the TV.

If the Main Menu is already displayed on the screen, proceed to Step 3.



<Welcome screen >

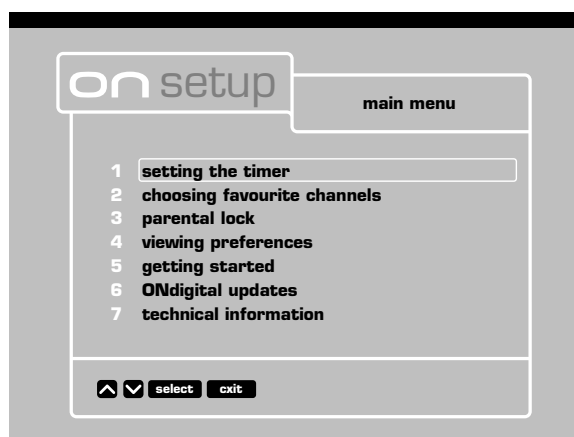
IMPORTANT:

- *If neither of the above-mentioned screens are displayed even though the SCART lead was used to make the connection, try pressing the remote controller TV/DTV button. Or try pressing the TV remote controller button that selects the TV's AV or External (SCART) socket.*
- *Alternatively check the channel that was selected for the default UHF output. The TV might need to be retuned to this channel. Refer to pages 11 to 14 in the CONNECTIONS section of this manual.*

LOCATING AND STORING CHANNELS

2

If the "Welcome" message is already displayed on the TV screen, press the **SELECT** button to display the Main Menu.

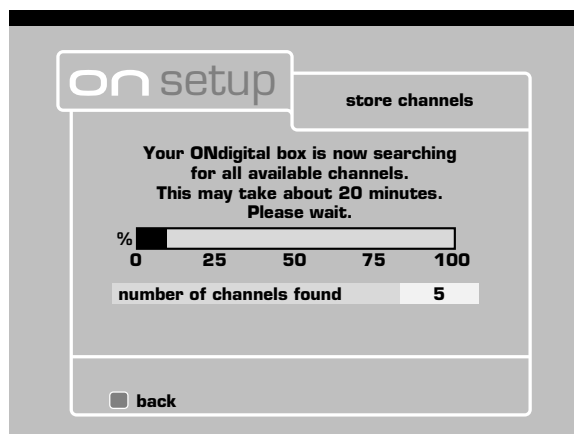


<Main menu screen>

3

Use the **▼/▲** (DOWN/UP) buttons to select **Section 5 Getting Started** and then press the **SELECT** button.

The on-screen display will show the receiver's progress in locating the available channels.



<Store channels screen>

If the Main Menu is already displayed on the TV screen, follow the instructions below.

- ① Use the above method to select Option **5** Getting Started. A menu with four options will be displayed including "Store Channels."
- ② Use the **▼/▲** (DOWN/UP) buttons to highlight "Store Channels" and then press the **SELECT** button.

LOCATING AND STORING CHANNELS

The on-screen display will show the receiver's progress in locating the available channels.

NOTE:

While the installation is in progress the on-screen display will show the number of channels that have been located and the percentage of the installation that has been completed. The message "Your ONdigital box is searching for all available channels—This could take about 20 minutes—Please wait" will be displayed. This could take several minutes.

When the installation is finished the on-screen display will momentarily show 100% and the number of located channels to indicate that they are being stored. When storage is complete a list of stored channels will be displayed.



To watch a channel, use the ▲ (UP) or ▼ (DOWN) button to highlight the channel and then press the SELECT button.

DAILY OPERATION

Switching Receiver ON/OFF

Press the **ON/OFF** button to turn on the digital receiver after it has been plugged into the main power supply.

- To wake up the receiver press the remote controller **⏻** button.
- To put the digital receiver on standby again, press the remote controller **⏻** button.

Changing Channels

With the digital receiver channels can be selected in three ways: using the channel list, using the number buttons, and using the **P +/-** buttons. After a selection has been made using any of these methods the receiver will wait about one second before changing the channel.

Using the Number Buttons

The number buttons can be used to enter a channel number up to three digits long. To enter a channel number press the corresponding number buttons one after the other.



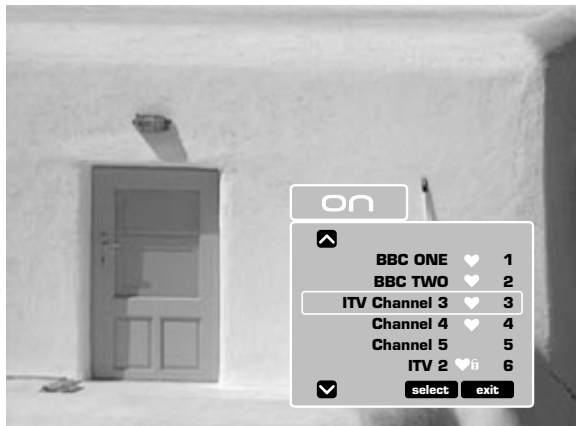
<Channel number input screen>

IMPORTANT:

The number buttons can be used to select any channel, not just the channels that have been selected as favourites.

Using the Channel List

The channel list can also be used to view channels that are available using the digital receiver. The list is displayed on top of the programme being viewed and also indicates which channels have been selected as favourites and the channels that are locked. (Refer to pages 25 to 34 for instructions on how to select favourite channels and to lock channels.)



<Channel list screen (example)>

1

Display the channel list by pressing the **SELECT** button while viewing any channel.

An example of the information that is displayed on-screen is given above. The channel list includes all available channels.

Six channels can be displayed at one time. Special symbols, such as for favourite or locked channel, are displayed next to appropriate channels. The channel currently being viewed is highlighted in the list.

2

Use the **▲ (UP)** or **▼ (DOWN)** button to move the cursor through the channel list.

The selected channel is highlighted. To move to the next screen, use the **▼ (DOWN)** button to move past the bottom of the list or press the **▶ (RIGHT)** or **◀ (LEFT)** button to move an entire page at a time.

3

The **EXIT** button can be pressed at any time to close the channel list.

To change to a channel that has been highlighted, press the **SELECT** button.

DAILY OPERATION

Using the P +/- Buttons

- To select the next or previous channel, press the **P+** or **P-** button while in the normal viewing mode.
- To select the next or previous stored favourite channel, press the **P+** or **P-** button while in the favourite channel viewing mode.

Using the TV/DTV Button

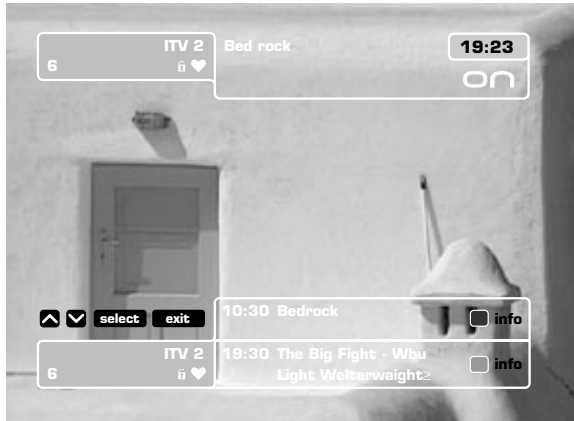
This button is used to switch between watching regular analogue channels using just the TV and digital channels via the digital receiver. Whether or not this button functions depends on whether your ONdigital box and TV are connected with a SCART lead.

If this is the case and you are currently watching a digital programme, in some cases you might need to press the **TV/DTV** button to watch a regular analogue channel. In this case, pressing the **TV/DTV** button again will switch back to the digital channel.

In most cases, where a SCART lead is used and the power to the TV is turned on before the power to the digital receiver the correct digital channel will be selected automatically. If the power to the digital receiver is turned on first, you might need to use this button to switch to digital programming.

Using the On-screen TV Guide

The digital receiver can display summary information about currently playing programmes and those to be broadcast immediately afterwards.



<ON SCREEN TV GUIDE screen (example)>

1

Press the remote controller INFO button to activate the On-screen TV Guide.

The following information will be displayed. To return to regular viewing at any time press the **INFO** or **EXIT** button.

The current channel number, channel name, and programme name are displayed in the top half of the screen. The bottom half of the screen also displays this information and the name and start time of the following programme. (Information regarding other programme information options is also shown. Refer to Step 4 for a more detailed explanation.)

2

To view the programme information for other channels without changing the current channel, use the remote controller ▲ (UP) or ▼ (DOWN) buttons or the number (0 to 9) buttons.

3

To change the channel while the On-screen TV Guide is displayed, press the remote controller **SELECT** button when the information for the desired channel is displayed.

4

This feature can also be used to display additional information about the current and next programme.

To display additional information about the current programme press the **YELLOW** button. To display additional information about the next programme press the **BLUE** button. Press the same button again to return to the previous information display.

NOTE:

*If you are viewing information regarding the next programme the channel cannot be changed by pressing the **SELECT** button.*

5

It might not be possible to display all of the additional information on the screen at the same time.

In this case, use the ▲ (UP) or ▼ (DOWN) button to display the hidden information.

The bottom half of the On-screen TV Guide also shows if subtitles and mono or stereo sound are available for a certain programme and what is the programme category, such as film, drama, or comedy.

Selecting Favourite Channels

You can use this function to select and store favourite channels to make it more convenient to view them.

When in the favourite channels mode, pressing the **P+** and **P-** buttons will only switch between the stored favourite channels. Also, when using the on-screen tv guide, the **▲** and **▼** buttons will only select those channels stored as favourites.

1

First, press the **MENU** button to display the Main Menu.

2

Then use the **▲** (UP) or **▼** (DOWN) button to highlight the **Choosing Favourite Channels** option and then press the **SELECT** button or press the "2" button.



NOTE:

The illustration for Step 2 shows that channels 3, 6, and 7 have been selected as favourites.

3

To add channels to the favourite channels list, use the ▲ (UP) or ▼ (DOWN) button to highlight the desired channel, and then press the SELECT button.

The favourite channel symbol will be displayed next to the selected channel name.

To remove a channel from the favourite channels list, ▲ (UP) or ▼ (DOWN) button to highlight the desired channel, and then press the SELECT button. The favourite channel symbol will disappear.

Repeat these steps for each channel to be selected or de-selected as a favourite channel.



4

When finished selecting or de-selecting favourite channels, press the GREEN button to activate the favourite channels mode.

When the favourite channels mode is active the message "Favourites are on" is displayed at the top right of the menu. Pressing the GREEN button again will switch favourites off.

5

To return to normal operation press the EXIT button.

Using the Parental Lock

The parental lock can be used to restrict access to any channel using a self-selected security (parental) code. Entry of the security code is required to view a locked channel.

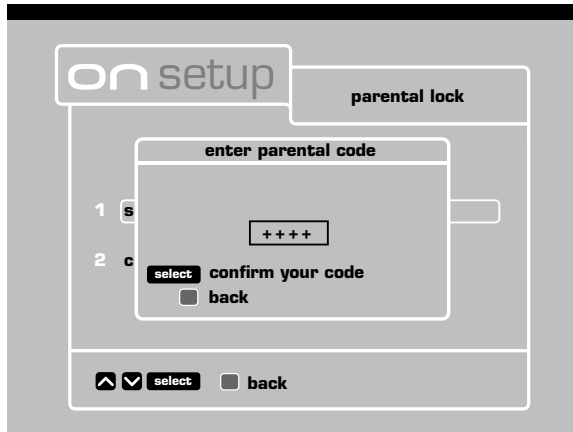
When selecting this option for the first time you will be prompted to enter a new parental code. After a security code has been registered the first time, entry of the security code will be required to subsequently access the Channel Locking Menu or a locked channel.

Entering the parental code for the first time



First, display the Main Menu by pressing the MENU button and then use the ▼ (DOWN) button to highlight the PARENTAL LOCK option. Then press the SELECT button to display the "Enter New Parental Code" screen.

The menu contains a 4-digit code entry area where you should enter your parental code using the remote controller number (0 to 9) buttons.



<Enter parental code screen>

NOTE:

This menu can only be accessed when the Smartcard is properly inserted in the Smartcard slot.

ADVANCED SETTINGS

2

The code will be displayed on the screen as you enter it.

NOTE:

The ◀ (LEFT) button can be used to backspace and correct mistaken number entries.

IMPORTANT:

Write down the code you select and keep it in a safe place for future reference.

3

When you have finished entering the code and have written it down, press the SELECT button to register the code.

If for some reason the digital receiver does not accept the code the entry area will be cleared and you will be prompted to enter another code.

4

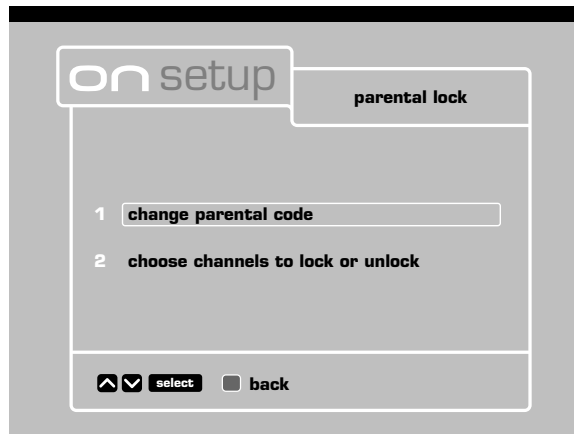
After the code has been accepted, press the EXIT button to return to regular operation.

To change the parental lock code

After the parental lock code has been entered, the Parental Lock menu will then give you the option of changing the current code. The code can be changed by first entering the current code and then entering the new code.

1

Select the Parental Lock option from the Main menu.



<Parental lock screen>

2

Select the Change Parent Code option.

3

The display will prompt you to enter the current code.

As you enter the code asterisks will be displayed instead of the code numbers. If you enter the code incorrectly, an error message will be displayed and you will be prompted to enter the correct code.

4

Now enter the new code.

The new code will be displayed on the screen as you enter it. When you have entered the new code, press the **SELECT** button.

IMPORTANT:

Be sure to write down and safely store the new code.

5

To return to the Main Parental Code menu, press the **RED** button.

To return to regular operation, press the **EXIT** button.

Selecting Channels to be Locked

1

Select the Choose Channel to Lock or Unlock option from the Parental Lock menu and then press the SELECT button.

You will be prompted to enter the current parental lock code, after which a list of all available channels will be displayed.

2

Select channels to lock using the ▲ (UP) or ▼ (DOWN) button.

When a channel has been highlighted, press the SELECT button to lock the channel(s).

A "padlock" symbol will be displayed next to locked channels. Repeat the process to lock another channel.

3

To lock (closed padlock) or unlock (open padlock) a channel press the GREEN button.

The message "locks are closed" will appear under the screen heading when the padlocks have been activated.

4

To return to the regular TV picture press the EXIT button.

See the following section which explains how to view locked channels.

Watching Locked Channels

There are two ways to access and watch locked channels. Either unlock an individual channel you have selected or go to the Choose Channel to Lock or Unlock menu and temporarily unlock all channels.

To unlock an individual channel

1

When trying to change channel to a locked channel, the channel will not be displayed, but instead you will be prompted to press the SELECT button to access the channel.



2

You will be prompted to enter the parental lock code.



ADVANCED SETTINGS

3

Use the number buttons (1 to 9) to enter the parental lock code.

As you enter the code asterisks will be displayed instead of the code numbers.

4

After entering the parental lock code, press the SELECT button to confirm the code.

If the correct code was entered the locked channel will be selected.

NOTE:

*If the incorrect code was entered, a message will appear on the screen stating that the code was incorrect and prompting you to re-enter the code. Press the **SELECT** button to return to the previous screen where you can re-enter the parental lock code.*

5

To leave this option, press the RED button to go back a step or press the EXIT button to return to regular operation.

To temporarily unlock all channels

1

The easiest way to temporarily unlock all channels is to open the main menu and press buttons "3" and "2" in that order.

2

Enter the parental lock code when prompted to do so.

3

The channel list will be displayed and you will be prompted to press the **GREEN** button to "open locks".

This will open all the locks.

NOTE:

*To close all the locks press the **GREEN** button again. Whether or not the channels are locked (closed padlock) or unlocked (open padlock) will be displayed at the top of the screen.*

IMPORTANT:

Be sure to lock the channels after viewing to maintain the parental lock security on the desired channels.

ADVANCED SETTINGS

Timer

Setting the timer

You can use the TIMER SETTINGS function to program the digital receiver to turn on and off at pre-set times. Up to 8 different time slots can be set. This makes it possible to set your VCR to record more than one digital channel. You can leave this function at any time by pressing the **EXIT** button to cancel any changes that have been made and to return to normal operation, or by pressing the remote controller **RED** button to return to the previous screen.

1

Press the remote controller MENU button to display the Main menu.

The Setting the Timer option will be highlighted.

2

Press the remote controller SELECT button to select this option.

Eight timer slots will be displayed on the screen. Each slot will indicate whether or not it is available for time setting.



<Setting the timer screen 1>

3

Use the ▲ (UP) or ▼ (DOWN) button to select an available time slot, and then press the SELECT button to display the Setting the Timer screen.

At this screen you are prompted to confirm the date, channel number, start time, end time, and programme status (once only, daily, or weekly).



<Setting the timer screen 2>

4

Enter the date using the number buttons (0 to 9).

After the day and month have been entered the digital receiver will automatically enter the year.

Four digits must be entered, so enter zeros where appropriate, such as 1009 for the 10th of September.

5

Press the ▼ (DOWN) button to confirm the entry.

The channel number line will then be highlighted.

6

Enter the channel to be recorded.

NOTE:

If you do not know the number of the channel you want to record, press the GREEN button to display the channel list, use the ▲ (UP) or ▼ (DOWN) button to select the desired channel, and then press the SELECT button to add the channel number to the Set Timer screen.

7

Confirm the entry by pressing the ▼ (DOWN) button.

The start time will then be highlighted.

8

Enter the start time.

It is recommended that you enter the start time a few minutes before the VCR is scheduled to start recording the programme to ensure the beginning of the programme is not missed.

The digital receiver uses a 24-hour clock, so set all times in 24-hour format, such as 2215 for 10:15 pm.

NOTE:

Use the ◀ (LEFT) or ▶ (RIGHT) buttons to overwrite entry mistakes.

9

Press the ▼ (DOWN) button to confirm the entered time.

10

Next, enter the end time.

It is recommended that the end time be set a few minutes after the VCR is set to stop recording so that the end of the programme is not missed.

As when setting the start time, use the 24-hour format. Press the ▼ (DOWN) button to confirm the entered time. The entry position will move to the next line.

11

Use the ◀ (LEFT) or ▶ (RIGHT) button to select the recording interval.

The available options are once only, daily, and weekly.

To record only once, select the 1st option. To record daily at the same time, select the 2nd option. To record weekly at the same time, select the 3rd option.

12

Lastly press the SELECT button to save the settings.

The previous menu will be displayed to allow you to check the settings. To make more settings, repeat the process from Step 3.

To return to regular operation press the EXIT button.

Timer alarm

In order for the timer to be activated the digital receiver must be left in standby mode—Do not turn it off. When the timer is activated the message "rEC" is displayed by the front panel.

Before you switch into standby you can watch other digital channels while the timer is set by just changing the channels as you normally would. The timer alarm will sound and the message "rEd" will be displayed by the front panel if you are watching another digital channel when the timer is about to be activated. At this time, press the remote controller **RED** button to display the following screen.



The screen will prompt you to select one of two options: to activate the timer or to continue watching the current channel.

- To continue watching the current channel, press the **RED** button again.
- To change to the channel set in the timer and activate the timer, press the **SELECT** button.

IMPORTANT:

The above procedure will cause the digital receiver to be activated at the set time, but do not forget that you will also need to program your VCR to the same time to record the programme.

ADVANCED SETTINGS

labelling="Cancelling a timer setting" data-bbox="147 160 401 179"> ---

1

Press **MENU** and select the 1st option (**Setting the Timer**).

2

Press the **▲ (UP)** or **▼ (DOWN)** button to select the timer setting to be cancelled.

3

Press the **BLUE** button.

Recording with a VCR

It is not currently possible to record one digital channel while watching another. The only channel that can be watched when recording a programme from the digital receiver is the channel that is being recorded. It is possible, however, to watch an analogue channel while recording a digital channel, or, conversely, to watch a digital channel while recording an analogue channel.

Using Teletext

Another feature provided by Digital Terrestrial Television is access to advanced navigational options and new and improved digital text services including high-quality text and graphics.

Digital text channels

Unlike conventional text services, users now have access to dedicated digital text channels. These channels are selected like other channels by entering the corresponding channel numbers. The channel list shows on which channels these services are available.

After selecting a text channel, press the **TEXT** button then follow instruction on-screen. Pages are selected using the **ARROW**, number or coloured buttons.

When you have finished viewing text channels, select another channel by using the **P** buttons.

Checking the Postbox

The digital receiver can display messages that have been sent by a broadcaster (such as information regarding your subscription package or special offers). You will be advised when this service is available.

When the digital receiver has received a message, the message "POST" will be displayed by the LED panel.

POST

At this time use the Main menu to open your postbox.

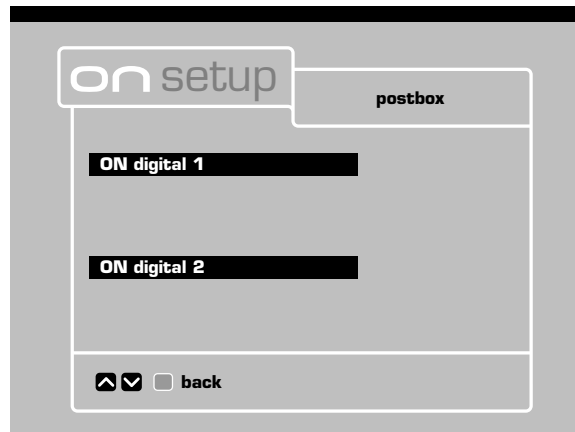


Press the MENU button to open the Main menu and then select option 6.

2

Select Option 2 "Check your mailbox" by pressing the remote controller "2" button.

The new messages will be displayed with the most recently received messages at the top of the screen and the message received the longest time ago at the bottom of the new message list.



<Postbox screen>

NOTE:

You can scroll through the message list using the remote controller ▲ (UP) or ▼ (DOWN) buttons. The latest message is always displayed first each time you open the postbox.

3

To return to regular operation after reading messages, press the RED button or the EXIT button to return to the menu.

NOTE:

When the postbox is full, the oldest message is deleted when a new message arrives.

Checking your subscription

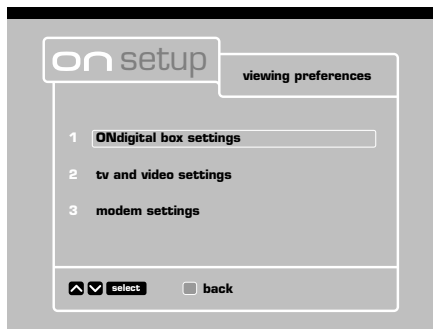
In the same menu as point 2 above there is an option for checking your subscription. Select this option to display your subscription expiration date.

Changing Receiver Settings

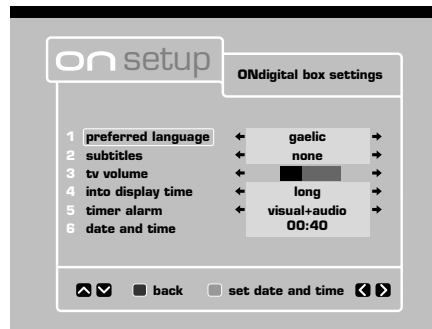
This menu is used to set the following items: subtitles, audio language, sound level, information display time, current time, and alarm time. Follow the instructions below to make these settings.

1

From the remote controller press the MENU button to display the Receiver Settings menu, select Option 4 (Viewing Preferences), and then select Option 1 (ONdigital box Settings).



<Viewing preferences screen>



<Digital settings screen>

2

Once an option is highlighted, use the ◀ (LEFT) or ▶ (RIGHT) buttons to adjust the settings.

3

When you have finished making adjustments, press the remote controller EXIT button to save the new settings and return to regular TV viewing.

Each option is explained on the next page.

ADVANCED SETTINGS

1) Preferred language

The preferred language default setting when the power is first turned on is English. The other language options are Welsh and Gaelic. To change the language use the ◀ (LEFT) or ▶ (RIGHT) buttons. If a selected language is not available, the digital receiver will automatically default to English.

2) Subtitles

Selecting "on" will ensure that subtitles will always be displayed if they are available. Select "off" if you want to be able to manually switch subtitles on and off using the **SUBTITLE** button.

3) Subtitles language

This option allows users to select the language in which subtitles are displayed. The available language selections are English, Welsh, Gaelic. A setting is also provided for those who are hard of hearing and this is indicated by a symbol next to the language. When this setting is selected descriptive text, which tells the viewer there is applause, laughter, etc., is included in the subtitles.

A symbol denoting when subtitles are available for a programme may be displayed on the on-screen tv guide. A message regarding subtitle availability might also be displayed by the broadcaster.

4) TV volume

This option is used to set the default sound output level of the TV for when the digital receiver wakes up. Initially the sound output is set to a medium level, but there might be a difference in sound level between digital channels and analogue channels.

To adjust the digital receiver volume, highlight this option and then use the ◀ (LEFT) or ▶ (RIGHT) buttons to set the desired sound volume.

5) Information display time

This option is used to set the length of time information is displayed on the screen. This time setting only applies to screens in which setting adjustments are not made (such as channel selection). Three time setting options are available: Off, Normal, and Long.

IMPORTANT:

Some menus will no longer appear if this option is set to OFF.

6) Current time and date

The digital receiver automatically sets the time and date using the time and date information sent by the broadcasters. This menu can be used, however, to manually adjust these settings.

Enter the desired date and time in the 24-hour format using the number (0 to 9) buttons.

7) Timer alarm

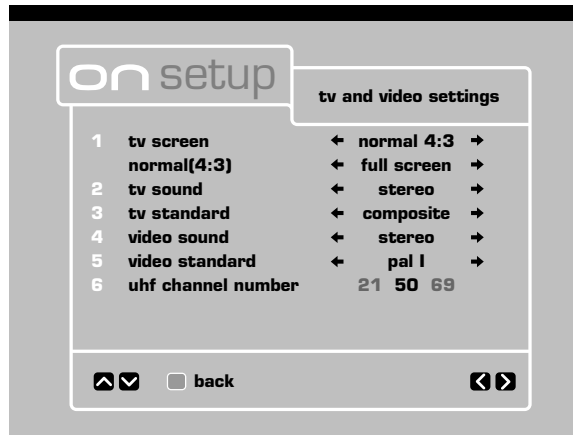
This option is used to specify whether an audio and visual or just a visual alarm is used for the timer alarm. The alarm is factory set to the audio and visual alarm, so a warning message will be displayed at the alarm setting time. At the alarm setting time the digital receiver will beep and display the code "rEd" on the LED panel. Refer to pages 36 to 39 for additional information on timer operation.

Changing TV and VCR Settings

The settings in this menu are not usually changed once the digital receiver is installed correctly. If necessary, changes can be made by following the instructions below.

1

Press the MENU button, select Option 4 (Viewing Preferences), and then select Option 2 (TV and Video Settings) to display the following menu.



<ONdigital box settings screen>

Following is an explanation of each option. You can return to normal TV viewing at any time by pressing the **EXIT** button. Use the ▲ (UP) and ▼ (DOWN) buttons and the ◀ (LEFT) and ▶ (RIGHT) buttons to change the settings.

1) TV screen

This option is used to tell the digital receiver whether the TV is 4:3 or 16:9 (wide screen). If 16:9 is selected, the digital receiver will automatically display all wide screen programmes in the correct format. If 4:3 is selected, sub-options are displayed prompting you how to wide screen programmes on a regular 4:3 TV.

ADVANCED SETTINGS

Regular 4:3

This option is only available if 4:3 was selected in Item 1 of this menu.

If the digital receiver is connected to a 4:3 TV you must select whether the programme picture will be expanded full length leaving blank areas at the top and bottom of the screen, or whether the height of the picture will fill the TV screen but the right and left ends of it will be cut off in order to do this.

You can switch between the "letterbox" and "full screen" display formats while watching a program by pressing the **WIDE** button.

2) TV sound

This option allows you to select mono or stereo sound output for the TV. The default is stereo sound. Only change this setting if connecting to a mono TV. To select this option, use the ▲ (UP) and ▼ (DOWN) button to select "TV sound" and use the ◀ (LEFT) and ▶ (RIGHT) buttons to switch between mono and stereo.

3) TV Standard

Try adjusting this option to obtain the optimum picture display quality if the TV and digital receiver are connected by a SCART lead. The default is "composite," but there may be some improvement if the "RGB" option is selected.

To change this option, use the ▲ (UP) or ▼ (DOWN) button to select "TV standard" and use the ◀ (LEFT) and ▶ (RIGHT) buttons to switch between composite and RGB. If there is no noticeable improvement in the picture quality, leave the option set to "composite" and press the **EXIT** button to leave the menu.

4) VCR sound

This option allows you to select mono or stereo sound output for the VCR. The default is stereo sound. Only change this setting if connecting to a mono VCR. To select this option, use the ▲ (UP) or ▼ (DOWN) button to select "VCR sound" and use the ◀ (LEFT) and ▶ (RIGHT) buttons to switch between mono and stereo.

NOTE:

The digital receiver and TV must be connected by a SCART lead to record and playback in stereo.

5) VCR Standard

Set this option to "PAL" when connecting the digital receiver to a VCR. If you do not know whether or not the VCR is standard, refer to the VCR's owner's manual.

6) UHF output channel

This setting was made at the factory and should not need to be changed because it concerns the output frequency from the digital receiver to the TV. The setting might need to be adjusted, however, if you are having trouble tuning the TV or VCR to watch programmes from the digital receiver or if you are experiencing interference. (For more information, refer to pages 11 to 14.)

If you need any guidance in adjusting this setting, please contact your local retailer or ONdigital customer service at 0870-600-9696.

Changing Modem Settings

If you connect your digital receiver to a telephone line you might need to change the settings in this menu. However in most cases, the factory settings will be correct.



To change these settings, press the MENU button, select option 4 (viewing preferences) and then option 3 (modem settings).

MODEM

This option is used to specify whether you are using the digital receiver's internal modem or an external modem.

DIALLING

This option is used to specify whether the telephone line is a tone or pulse dialling line. Most domestic telephones now use tone dialling. If you do not know which type of telephone line you have, check with your telephone company.

CONNECTION

This option only needs to be changed to the alternative "pabx" setting if the digital receiver is connected to a phone line that requires that a prefix be dialled first to access the outside telephone network. Most residential telephones have a direct connection, in which case this option does not need to be changed.

PREFIX

This option is only available when "pabx" was selected in the previous option "Connection." Enter the prefix the digital receiver will have to dial to connect to the outside telephone network.

WAIT FOR DIAL TONE

This option is only available when "pabx" was selected in the "Connection" option. Set the pause that is required for the time after dialling the prefix until a dial tone is received.

STD CODE

This is used to specify whether or not an STD code must always be dialled by the digital receiver.

PREFIX

This option is used to enter the code when using an STD code has been selected.

ADVANCED SETTINGS

Technical information

This menu allows the user to check the technical information for the digital receiver. This is only necessary when a problem occurs with the digital receiver. If a problem does occur, this information may assist customer service personnel to diagnose the problem. There are three options: signal strength, manufacturer data, and auto update.

Signal Strength

This option assists in determining the strength of the signal used by the digital receiver. The display shows the selected output channel and the signal strength of that channel.

Normally, the settings in this screen do not need to be adjusted, but the information from this screen may be required by an ONdigital customer service representative.

To view the "Signal strength" menu option, press the **MENU** button, then press the "7" button "Technical information," then the "1" button "Signal strength". Press the **GREEN** button to enter a different UHF channel number and then the **RED** button to check the signal strength.

Manufacturer data

This option displays various information about the ONdigital box, such as manufacturer name, hardware version, and software version. The information in this screen might also be used by ONdigital customer service personnel.

Auto Update

This option is used to update the software used by the digital receiver. Updating the software might cause some digital receiver menus and functions to be updated or new features added, but the general operation method will not change.

You will be advised when it is necessary to carry out an update. Messages will be displayed on the digital receiver LED display when this is taking place. The meanings of these messages are described below.

You might also be asked by ONdigital customer service personnel to start this update.

Front panel messages

The front panel display also shows the digital receiver status during an auto update. These messages are described below.

- Auto update: Indicates the digital receiver is searching for the updated software version and will then update the old version.
- Update error: This message indicates that the currently installed software is the latest version.
- Retrying update: This message is displayed when the digital receiver has located the update version but is having trouble implementing the update. In this case, the "Auto update" message will be displayed again as the update process is continued.
- Out of order: This message is displayed when the software update was unsuccessful. If you have any questions, call the ONdigital customer service at 0870-600-9696, or contact your local retailer.

Channel Search

Normally, this function is only used when first installing and setting up the digital receiver as described earlier in this manual. You will need to use this function again if you re-install the receiver in another location or wish to search for new channels that have been added since setup was conducted. To use this function, follow the instructions below.



To re-install the digital receiver, press the MENU button, select Option 5 "Getting started," and then select Option 4 "Store channels."

Since the digital receiver is already setup, a warning message will be displayed notifying you that existing channel information will be lost by the setup process. If you do not want to lose this information, press the **RED** button to return to the Main menu. No changes will be made.

NOTE:

- *During installation the number of channels that have been found and the search completion percentage at that point in time will be displayed on the screen. The message "Your ONdigital box is searching for all available channels—this could take a few minutes, please wait" will also be displayed.*
- *The receiver will continue to tune until it has found all channels or the **RED** button is pressed. When all channels have been found the menu will disappear and the channel list will be displayed.*

Adding Channels

This option is used to look for new channels that have been started since the digital receiver was installed. It will not change the channels already stored, only add those that have started broadcasting since it was originally installed.

To search for new channels, press the **MENU** button, select Option 5 "Getting started," and then select Option 3 "Add channel."

Changing Channel Order

With this function you can change the position of channels to an order that suits your preference.

1

First press the MENU button and then press "5" and then "2" to open the Change Channel Number menu.

The TV will display a complete list of the channels currently available on the digital receiver. Any channels that are locked or that are designated as favourite channels will have the corresponding symbol displayed next to them.

2

To move a channel to a different location, use the ▲ (UP) or ▼ (DOWN) button to highlight the channel to be moved and then press the SELECT button to select the channel.

3

Next, use the ▲ (UP) or ▼ (DOWN) button to select the new channel location by highlighting the channel number to where you want to move the channel.

At this time the original channel will remain highlighted.

4

Then press the SELECT button to swap the two channels between the two locations.

Repeat this process until the channels are in the desired order.

5

To return to the regular TV picture, press the EXIT button.


USING REMOTE CONTROLLER WITH EQUIPMENT OF OTHER MANUFACTURERS


The remote controller can directly control the televisions and VCRs of other major brands. When the remote controller power is first turned on it is programmed for PIONEER brand TVs and VCRs, but if you will use a TV or VCR of another major brand, follow the instruction below to setup the remote controller.

TV ID code setup

This is used for TVs only.

1

Press and hold down the remote controller  button for TV at the bottom right while entering the 4-digit code for the brand of the TV being used. (Refer to the included code list.)

Press the  button to check if the remote controller can be used to turn on the TV and put it in standby.


IMPORTANT:


It might not be possible to use the remote controller to directly control some TVs.

VCR ID code setup

This is used for VCR only.

1

Press and hold down the remote controller  button for VCR at the bottom left while entering the 4-digit code for the brand of the VCR being used. (Refer to the included code list.)


Press the  button to check if the remote controller can be used to turn on the VCR and put it in standby.

IMPORTANT:

It might not be possible to use the remote controller to directly control some VCRs.

Resetting the remote controller to the default settings

If necessary, the remote controller can be reset to the factory default settings by clearing all of the programmed codes.

To do this, press code 9999 while pressing and holding the remote controller  button. This restores all devices to their default settings.

Status during battery replacement

The remote control information preservation time during battery replacement is about 1 minute. The buttons will not respond while the batteries are being replaced. When the batteries have been dead or removed for more than 1 minute the brand settings will return to their default values.

IMPORTANT:

Although the PIONEER remote controller is compatible with most major brands, PIONEER cannot guarantee the remote controller operation will be compatible with all TV's or VCR's.

▲ CAUTION

- When setting the brand code, ensure not to direct the remote controller to any other TVs, VCRs and so forth, because there is always a possibility that such equipment on hand may be operated.

USING REMOTE CONTROLLER WITH EQUIPMENT OF OTHER MANUFACTURERS

BRAND SETUP CODE LIST

CODE FOR TELEVISION

A	Acura	0009
	Admiral	0163
	Adyson	0217
	Akai	0208, 0361
	Akura	0218, 0264
	Alba	0009, 0036, 0037, 0218 0371
	Allorgan	0294
	Amplivision	0217
	Amstrad	0009, 0037, 0371
	Anitech	0009
	Arcam	0216, 0217
	Asuka	0218
	Atlantic	0206
	Audiosonic	0037, 0109
	Autovox	0206, 0336
B	BPL	0282
	BSR	0294
	BTC	0218
	Baird	0343
	Basic Line	0009, 0218
	Baur	0010, 0037, 0349, 0361, 0554
	Beko	0370
	Beon	0037
	Binatone	0217
	Blaupunkt	0191, 0195, 0200, 0327, 0328, 0554
	Blue Sky	0218
	Blue Star	0282
	Bondstec	0247
	Boots	0217
	Brandt	0109, 0196, 0198, 0333, 0335
	Britannia	0216
C	CGE	0247, 0306
	CS Electronics	0216
	CTC	0247
	Carrefour	0036
	Cascade	0009
	Cathay	0037
	Centurion	0037
	Cimline	0009
	Clarivox	0037
	Clatronic	0247, 0370
	Condor	0320, 0370
	Contec	0009, 0036, 0216
	Continental Edison	0196, 0198, 0333
	Crown	0009, 0037, 0370, 0418
	Crystal	0431
	Cybertron	0218
D	Daewoo	0009, 0037, 0374
	Dainichi	0215, 0218
	Dansai	0037
	Dayton	0009
	De Graaf	0208, 0548
	Decca	0037, 0072

	Dixi	0009, 0037
	Dual	0336
	Dual Tec	0217
	Dumont	0070
E	Elbe	0259
	Elin	0037, 0548
	Elite	0218, 0320
	Elta	0009
	Emerson	0361
	Erres	0012, 0037
	Expert	0206
F	Ferguson	0037, 0109, 0238, 0287, 0335, 0343
	Fidelity	0216, 0361
	Finlandia	0208, 0346
	Finlux	0037, 0070, 0072, 0105, 0346
	Firstline	0009, 0216, 0217, 0247, 0294, 0321
	Fisher	0208, 0217, 0303, 0370
	Flint	0455
	Formenti	0037, 0320
	Frontech	0163, 0247, 0264, 0431
	Fujitsu	0072, 0206
	Funai	0264, 0294, 0303
G	GEC	0037, 0072, 0217
	GPM	0218
	Geloso	0009
	Genexxa	0163, 0218
	Goodmans	0036, 0037, 0072, 0217, 0343, 0371, 0374
	Gorenje	0370
	Graetz	0163, 0361
	Granada	0037, 0072, 0208, 0217, 0339
	Grandin	0282
	Grundig	0070, 0191, 0195, 0554
H	HCM	0009, 0282
	Hanseatic	0037, 0320, 0361
	Hinari	0009, 0036, 0037, 0218
	Hisawa	0282, 0455
	Hitachi	0036, 0044, 0105, 0109, 0163, 0196, 0198, 0217, 0225, 0306, 0349, 0548
	Huanyu	0216, 0374
	Hypson	0037, 0264, 0282
I	ICE	0217, 0264, 0371
	ICeS	0218
	ITS	0371
	ITT	0163, 0361, 0548
	Imperial	0247, 0370, 0418
	Indiana	0037
	Ingelen	0163
	Inno Hit	0072
	Interfunk	0037, 0163, 0247, 0361
	Intervision	0037, 0102, 0217, 0264
	Isukai	0218
J	JVC	0036, 0053, 0371
K	Kaisui	0009, 0216, 0217, 0218, 0282
	Kapsch	0163, 0206

USING REMOTE CONTROLLER WITH EQUIPMENT OF OTHER MANUFACTURERS

Kendo	0037	R	R-Line	0037
Kingsley	0216		RBM	0070
Kneissel	0259		Radiola	0012, 0037
Korpel	0037		Rank Arena	0036
Koyoda	0009		Rediffusion	0361
L Leyco	0037, 0072, 0264, 0294		Revox	0037
Liesen & Tter	0037		Rex	0163, 0206, 0259, 0264
Luma	0206		Roadstar	0009, 0218, 0264, 0418
Luxor	0349, 0361		S SBR	0012, 0037
MM Electronic	0009, 0037, 0105, 0109, 0163, 0217, 0287, 0346, 0374, 0480		SEG	0036, 0217, 0264
MTC	0349		SEI	0102, 0294
Magnadyne	0102, 0247		Saba	0109, 0163, 0196, 0198, 0287, 0335, 0343
Magnafon	0102		Saccs	0238
Manesth	0217, 0264, 0320		Saisho	0009, 0264, 0431
Marantz	0037		Salora	0163, 0349, 0361, 0548
Mark	0037		Sambers	0102
Matsui	0009, 0035, 0036, 0037, 0072, 0208, 0217, 0294, 0371		Samsung	0009, 0037, 0090, 0217, 0264, 0290, 0370
Mediator	0012, 0037		Sandra	0216
Memorex	0009		Sanyo	0036, 0072, 0157, 0208, 0339
Memphis	0337		Schaub Lorenz	0361
Minerva	0070, 0554		Schneider	0037, 0218, 0247, 0303, 0336, 0371
Mitsubishi	0036, 0108, 0150		Sei-Sinudyne	0010
Mivar	0216, 0290		Seleco	0163, 0206, 0259
Multitech	0009, 0102, 0216		Sentra	0035
N NEI	0037, 0337, 0431		Sharp	0036, 0093
Neckermann	0037, 0191, 0349, 0554		Shorai	0294
Nikkai	0035, 0037, 0072, 0216, 0218, 0264, 0337		Siarem	0102
Noblisko	0102		Siemens	0037, 0157, 0191, 0195, 0200, 0327, 0328, 0554
Nokia	0361, 0480, 0548		Silver	0036
Nordmende	0109, 0196, 0198, 0287, 0343		Sinudyne	0102, 0294
O Oceanic	0163, 0215, 0361		Solavox	0163
Orion	0037, 0294, 0320, 0321		Sonitron	0208
Osaki	0072, 0217, 0218, 0264		Sonoko	0009, 0037
Oso	0218		Sonolor	0163, 0208, 0215
Osume	0072, 0157		Sontec	0037
Otto Versand	0010, 0036, 0037, 0191, 0217, 0320, 0343, 0349, 0554		Sony	0010, 0036
P Palladium	0370, 0418		Soundwave	0037, 0418
Panama	0217, 0264		Standard	0009, 0217, 0218
Panasonic	0163, 0226, 0250		Stern	0163, 0206, 0259
Pathe Cinema	0216, 0238, 0320		Sunkai	0294, 0321
Pathe Marconi	0196, 0198, 0333		Susumu	0218
Pausa	0009		Sysline	0037
Perdio	0320		T Tandy	0072, 0163, 0217, 0218
Philco	0247		Tashiko	0036, 0217
Philips	0012, 0037, 0374, 0554		Tatung	0037, 0072, 0217
Phonola	0012, 0037		Tec	0217, 0247
Pioneer	0109, 0163, 0166, 0287, 9999		Technema	0320
Profex	0009, 0361		Technics	0250
Proline	0321		Teleavia	0333, 0343
Protech	0009, 0037, 0102, 0217, 0247, 0264, 0337, 0418, 0431		Telefunken	0109, 0306, 0335, 0343
Pye	0012		Telemeister	0320
Q Quelle	0010, 0037, 0070, 0200, 0306, 0327, 0328, 0361, 0554		Teletech	0009
Questa	0036		Teleton	0036, 0206, 0217, 0349
			Tensai	0218, 0294, 0320
			Texet	0216, 0218

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Thorn	0035, 0037, 0072, 0343, 0361	Finlux	0000, 0042, 0081, 0104
Tomashi	0282	Firstline	0037, 0043, 0045, 0072, 0209
Toshiba	0035, 0036, 0070, 0243	Fisher	0046, 0104
Triumph	0243	Frontech	0020
U Uher	0206, 0303, 0320	Funai	0000
Ultravox	0102	G GEC	0081
Universum	0037, 0105, 0264, 0346, 0370	General	0020
V Vestel	0037	GoldHand	0072
Videosat	0247	GoldStar	0037
Videotechnic	0217	Goodmans	0000, 0020, 0037, 0072, 0278
Vision	0320	Graetz	0041, 0104, 0240
Voxson	0163	Granada	0046, 0081, 0104
W Waltham	0217	Grandin	0000, 0037, 0072
Watson	0037, 0320	Grundig	0006, 0007, 0034, 0072, 0081, 0195, 0207, 0226, 0347, 0349,
Watt Radio	0102		0072
Wega	0036	H HCM	0072
White Westinghouse	0037, 0216, 0320	Hanseatic	0037
Y Yoko	0037, 0217, 0264, 0431	Hinari	0004, 0072, 0240, 0352
Z Zanussi	0206	Hitachi	0000, 0004, 0041, 0042, 0166, 0240, 0384
			0072
		Hypson	0072
CODE FOR VCR		I ITT	0041, 0046, 0104, 0106, 0240, 0384
A ASA	0037, 0081	ITV	0037, 0278
Aiwa	0000, 0348, 0352	Imperial	0000
Akai	0041, 0106, 0315	Ingersol	0004
Akiba	0072	Interfunk	0081
Alba	0020, 0072, 0209, 0278, 0315, 0352	J JVC	0041, 0067, 0206, 0207, 0384
Ambassador	0020	K Kaisui	0072
Amstrad	0000, 0278, 0332	Kendo	0106, 0209
Anitech	0072	Kenwood	0041
Asuka	0037	Korpel	0072
B Baird	0000, 0041, 0104	L Lenco	0278
Basic Line	0020, 0072, 0278	Leyco	0072
Blaupunkt	0006, 0034, 0154, 0162, 0195, 0226, 0227	Loewe	0004, 0006, 0037, 0081
Brandt	0187, 0320, 0321	Logik	0004, 0240
Brandt Electronic	0041	Luxor	0043, 0046, 0048, 0104, 0106
Bush	0072, 0209, 0278, 0352	MM Electronic	0000
C CGE	0000	Manesth	0045, 0072
Catron	0020	Marantz	0006, 0081
Cimline	0072	Matsui	0004, 0209, 0348, 0352
Clatronic	0020	Memorex	0000, 0037, 0046, 0104
Combitech	0352	Memphis	0072
Condor	0020	Metz	0006, 0037, 0162, 0195, 0227, 0347
Crown	0020, 0072, 0278	Minerva	0006, 0195
Cyrus	0081	Mitsubishi	0043, 0067, 0081
D Daewoo	0020, 0278	Multitech	0000, 0072
Dansai	0072	Murphy	0000
De Graaf	0042, 0166	N NEC	0041, 0067
Decca	0000, 0081	Neckermann	0081
Denon	0042	Nesco	0072
Dual	0041	Nokia	0041, 0042, 0046, 0081, 0104, 0106, 0240
Dumont	0000, 0081, 0104	Nordmende	0041, 0297, 0320, 0321, 0384
E ESC	0240, 0278	O Oceanic	0000, 0041
Elcatech	0072	Okano	0315, 0348
F Ferguson	0041, 0320, 0321	Orion	0004, 0209, 0348, 0352
Fidelity	0000	Osaki	0000, 0037, 0072
Finlandia	0081, 0104		

USING REMOTE CONTROLLER WITH EQUIPMENT OF OTHER MANUFACTURERS

Otto Versand	0081	Thorn	0041, 0104
P Palladium	0006, 0037, 0041, 0072	Toshiba	0041, 0043, 0045, 0081, 0384
Panasonic	0162, 0226, 0227	Towada	0322
Pathe Marconi	0041	U Uher	0240
Pentax	0042	Universum	0000, 0006, 0037, 0081, 0106, 0195, 0240
Perdio	0000	Y Yamishi	0072
Philips	0081, 0384	Yokan	0072
Phonola	0081	Yoko	0020, 0240
Pioneer	0058, 0067, 0081, 9999		
Portland	0020		
Profex	0322		
Profitronic	0240		
Proline	0000		
Pye	0081		
Q Quartz	0046		
Quelle	0081		
R Radiola	0081		
Rex	0041, 0384		
Roadstar	0037, 0072, 0240, 0278		
S SBR	0081		
SEG	0240, 0322		
SEI	0004, 0081		
Saba	0041, 0206, 0207, 0297, 0320, 0321, 0384		
Saisho	0004, 0209		
Salora	0043, 0046, 0106		
Samsung	0240, 0432		
Sansui	0041, 0067, 0106		
Sanyo	0046, 0104		
Saville	0352		
Schaub Lorenz	0000, 0041, 0104		
Schneider	0000, 0072, 0081		
Seleco	0041		
Sentra	0020		
Sharp	0048		
Shintom	0072, 0104		
Shorai	0004		
Siemens	0006, 0037, 0081, 0104, 0195		
Silva	0037		
Singer	0045		
Sinudyne	0004, 0081		
Solavox	0020		
Sonolor	0046		
Sontec	0037		
Sony	0032, 0033, 0034		
Sunkai	0348		
Sunstar	0000		
Suntronic	0000		
T T+A	0162		
Tashiko	0000		
Tatung	0000, 0041, 0081		
Tec	0020		
Technics	0162, 0226		
Teleavia	0041		
Telecomando/Policom	0154		
Telefunken	0041, 0187, 0320, 0321, 0384		
Tenosal	0072		
Tensai	0000, 0322		
Thomson	0041, 0320, 0384		

TROUBLESHOOTING

If you are having trouble with the digital receiver, check the following items to see if the problem can be resolved. Sometimes another device is at fault, so be sure to also inspect the other devices being used. If the trouble still cannot be resolved, contact your nearest PIONEER authorised service centre, the dealer where you purchased the digital receiver or ONdigital.

Condition	Possible cause	Measures
No sound, no picture, and no front-panel display.	<ul style="list-style-type: none"> The receiver is not plugged into the main power supply or is not turned on. 	<ul style="list-style-type: none"> Check the main power supply connection. Press the ON/OFF button on the front of the receiver.
No sound and no picture, but the front panel is displaying "--:--."	<ul style="list-style-type: none"> The receiver is in standby. 	<ul style="list-style-type: none"> Press one of the remote controller number buttons to wake up the digital receiver.
No sound and no picture, but the front panel display is correct.	<ul style="list-style-type: none"> Non-digital television is being viewed via the UHF aerial TV connection. The SCART lead is connected to the wrong sockets. The connections are correct but the TV is not switched to an external AV source (AV1 or EXT 1, etc.). The connection cables might be defective (corroded, broken, or damaged) or missing. 	<ul style="list-style-type: none"> Press the remote controller TV/DTV button. Check the SCART connections. Check the TV SCART connections. Check all connections.
Only the Main menu, its sub-menus, and the information bar are available. Service selection is not possible.	<ul style="list-style-type: none"> A download list of (digital) services is not stored in the digital receiver's memory. The digital receiver is not correctly set up for the aerial. The aerial is not receiving the signal. The transmitted signal is too weak. 	<ul style="list-style-type: none"> Follow the relevant installation instructions contained in the section "CONNECTIONS". Check if the analogue channels are received properly and then check the aerial connection (aerial to DBR-T200GB, and TV aerial input connected to DBR-T200GB UHF input). Refer to section "Signal Strength" on page 49. Check the aerial installation and positioning. Check the aerial installation and positioning or install a larger aerial. <p>In unusual cases, the effect can be caused by severe weather or very heavy cloud cover.</p>

TROUBLESHOOTING

Condition	Possible cause	Measures
Only the Main menu, its sub-menus, and the information bar are available. Service selection is not possible.	<ul style="list-style-type: none"> • The transmitted signal is too strong. • The aerial is damaged. 	<ul style="list-style-type: none"> • Install an attenuator at the receiver UHF input. • Replace the aerial.
Intermittent reception, frozen image, or "mosaic" effect.	<ul style="list-style-type: none"> • The cable links are defective (corroded, broken, or damaged connectors and/or wires). • A poorly positioned or unstable aerial is causing a poor signal. 	<ul style="list-style-type: none"> • Check all the connections and cables. • Re-position the aerial and fasten it securely.
The remote controller is not working properly.	<ul style="list-style-type: none"> • There are no batteries in the remote controller or the batteries are low or dead. 	<ul style="list-style-type: none"> • Check the batteries and replace them if necessary.
During otherwise normal reception the selection of some services causes the screen to blackout.	<ul style="list-style-type: none"> • The selected service or programme is not included in your subscription rights. 	<ul style="list-style-type: none"> • Select another service or have your subscription coverage extended.

If the problem persists, call ONdigital customer service at 0870-600-9696.

SPECIFICATIONS

System capabilities

- DVB compliant MPEG-2 reception of broadcasts up to Main Profile @ Main Level

Video decoding

- DVB compliant MPEG-2 reception of broadcasts up to MP @ ML
- Video bit rate : up to 15 Mbit/sec
- Video format : 4:3 and 16:9
- Resolution : up to 720 by 576 pixels

Audio decoding

- MPEG layer I/II (excluding multichannel management from one bit stream)

Operation/Features

- Automatic program loading via scanning installation
- Free to air reception
- DVB subtitles
- Program parental lock with PIN code
- Audio mode : single channel, dual channel, stereo, joint stereo
- Volume control
- Full remote controlled
- Menu controlled operation using on-screen display
- Menu controlled installation using on-screen display
- 8 events over one year VCR timer
- Automatic VCR play back
- Receiver compatible with ONdigital services
- Electronic programme guide for ONdigital bouquet services
- Main switch
- Multibrand TV and VCR remote control

Reception-Demodulation

- Demodulation according DVB-T
Type COFDM 2K
Mode All mode
Non hierarchical

Descrambling

Embedded Mediaguard and PCMCIA interface for the Common Interface CA-module (DVB standard).

NOTE:

subscription is required for the reception of ONdigital scrambled services

Connections

- RF input (for aerial) connector: female IEC 169-2
Input frequency range (MHz): 470-868 (CH21 to 69)
- RF output (to TV) connector: male IEC 169-2
Loophrough frequency range (MHz) 470-868 (CH21 to 69)
Redemodulated output PAL I
CH21-69 range
Preset CH36
- TV SCART
Output: CVBS, Controlled audio L/R, RGB, Slow blanking, Fast blanking
- VCR SCART
Input: CVBS, Slow blanking, Audio L/R
Output: CVBS, Audio L/R
- Audio CINCH
Output: Controlled audio L/R
- Serial interface: RS 232/DB 9 female
- Integrated modem telephone line interface : RJ-11
- Common interface for type II or III module

Return path

- Integrated Telephone modem
- Type V22 bis
- Error correction V42
- Dialling mode DTMF and pulse

Accessories

- Remote control
- SCART cable
- Instruction book
- ONdigital Envelope
- Telephone cord with plugs (10 m)
- Batteries : 2 x 1.5V type AA/R06/UM-3
- UHF coaxial lead
- Mains cord

Miscellaneous

- Operating Temperature : +5 °C to 45 °C
- Mains : 230 V +/-10%, 50 Hz
- Power consumption (W) 20 max
- Standby consumption (W) 5 max
- Weight (kg) 2.60
- Dimensions (wxhxd mm) 380x71x259

Specifications and design are subject to possible modifications without notice due to improvements.



Maintain the outside of the digital receiver

- Wipe off dust or dirt using a soft, dry cloth.
- When the dirt, etc., cannot be removed by wiping with a soft, dry cloth, dip a soft cloth in a neutral cleaner diluted with 5 or 6 parts water, wring out the cloth, and then wipe off the dirt, etc., and then wipe dry with a soft, dry cloth. Do not use furniture wax or cleaners.
- Never use thinners, benzene, insecticide sprays, or other unspecified chemicals on or near this product since these will corrode the product surface.

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