

Goodmans

GDB7CA

Digital Terrestrial TV Receiver

User manual

Goodmans Product Information: www.goodmans.co.uk/support

Safety information

Mains connection

This receiver is suitable for use on A.C. mains supply, 220–240 V – 50 Hz only.

It must not be connected to D.C. mains.

Note: The mains lead of the receiver is fitted with a moulded plug. If the mains sockets are not compatible or if for any reason the plug is removed please follow the directions below.

The moulded plug cannot be rewired and if removed must be disposed of safely. Remove the fuse to make it safer.

Do NOT under any circumstances plug the severed plug into any mains socket as this could result in an electric shock.

Important!

If the plug is removed, rewire new plug as follows: The wires in the mains plug are coloured in accordance with the following code:


BLUE – NEUTRAL

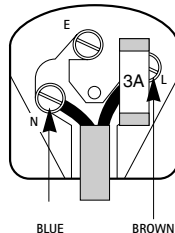
BROWN – LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

BLUE wire to the terminal coded N (Neutral) or coloured black.

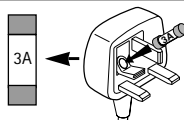
BROWN wire to the terminal coded L (Live) or coloured red.


Do NOT make any connection to the terminal in the plug which is marked by the letter E or by the safety symbol  or coloured green and yellow.



A fused plug must be fitted with a 3A fuse approved by ASTA or BSI to BS 1362 and fuse covers must always be securely replaced.

If the fuse blows, check the mains cable for damage or call a qualified technician. Do not try to bridge the fuse or increase its rating!



- ! The OFF button  on the remote control does not completely disconnect the unit from the mains supply, but switches operating power on and off.

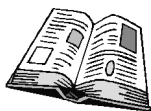


This symbol means that this unit is double insulated.
An earth connection is not required.

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Accessories

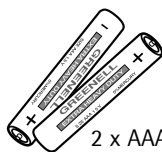


User Manual
Guarantee card

Power Cord



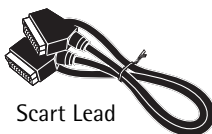
Remote Control



2 x AAA
Batteries



RF Lead



Scart Lead



Introduction

Congratulations on your choice of this state-of-the-art Digital Top Up TV ready and Free to View Receiver. We hope you will enjoy all the new features this technology brings to your home for many years. Your dealer should have checked your postcode for reception, but the availability of Digital Signals does depend on the transmitter(s) available to your receiving aerial. If you have any doubt about this availability, please contact your dealer, or check the following internet websites:-

www.topuptv.com, www.freeview.co.uk or www.dtg.org.uk/consumer

Safety information

In order that you may enjoy this product for a long time it is important that you observe the following points when installing and operating your receiver

- This receiver is intended for the reception of TV picture and sound signals. Any other application is expressly prohibited.
 - Avoid the long-term display of static images, e.g. menus or audio only channels.
 - Do not expose the receiver to any moisture. The receiver is intended for use in dry rooms. It is NOT designed for use outdoors or in WET/HUMID areas. e.g. Bathroom.
 - Do not place any object filled with water (vases or similar) on the receiver.
 - Place the receiver on a flat and hard surface. Do not place any objects (e.g. newspapers) on the receiver.
 - If placed in an enclosed unit, the all-round distance between the receiver and the sides of the unit must be at least 10cm.
 - Do not place the receiver in the immediate vicinity of a heat source or in direct sunlight as this would prevent appropriate cooling.
 - During a thunderstorm it is recommended that you disconnect the receiver from the mains and aerial to prevent damage from lightning strikes.
 - Never open the receiver as this will invalidate your guarantee.
 - Do not dispose of used batteries in normal waste. Please dispose of them at appropriate collection points.
 - If you are not using the receiver for a long time (including overnight), please switch it off at the mains. This saves energy. Note that any software upgrades can take place at night at your request.
 - This product has been constructed with the environment in mind. There is a minimum of plastic parts and the packaging is largely made from recycled paper. It is also disassembly-friendly allowing for easy recycling at the end of its life.
 - **CLEANING - BEFORE CLEANING DISCONNECT FROM THE MAINS SUPPLY.** Dust will collect on the unit and can be removed with dry clean cloth.
Do not spray any substance on the unit.
 - **DECODER CARD -** Avoid removing and re-inserting the card unnecessarily, handle with care and do not clean the card with chemicals.
-

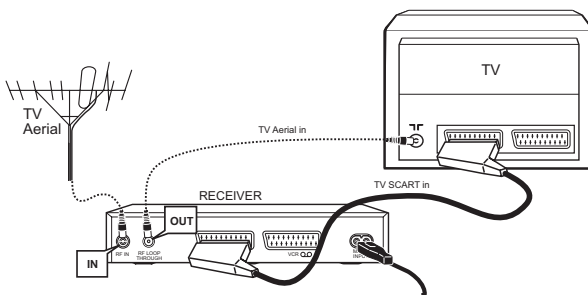
Connections

How to connect the aerial, scart and co-axial cables

Caution : *Always disconnect the receiver from the mains supply before you connect it to any other equipment.*

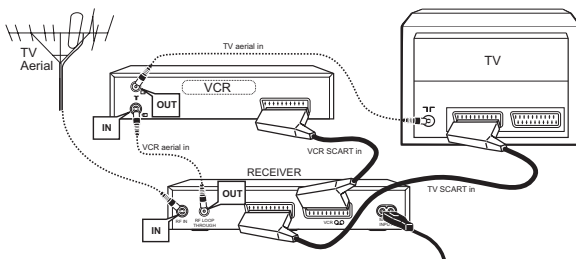
OPTION 1

Unplug the aerial lead from your television and connect this to the RF IN socket on the rear of the receiver. Connect the aerial cable supplied from the LOOP THROUGH out socket on the receiver to the TV set's aerial socket. Connect the TV SCART socket on the receiver to a SCART socket on your television.



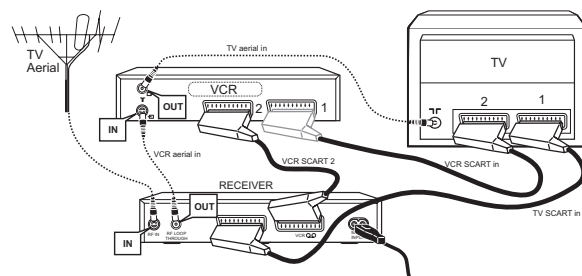
OPTION 2

Use a SCART lead to connect the receiver's VCR SCART socket to a SCART socket on the VCR. Connect the aerial leads from the receiver's LOOP THROUGH out socket to the VCR's AERIAL IN socket and from the VCR's AERIAL OUT socket to the TV set's AERIAL socket.



OPTION 2

Use a SCART lead to connect the receiver's VCR SCART socket to SCART 1 socket on the VCR and connect SCART 2 socket on the VCR to TV set SCART. Also connect aerial leads from the receiver's LOOP THROUGH out socket to the VCR's AERIAL IN socket and from the VCR's AERIAL OUT socket to the TV set's AERIAL socket.

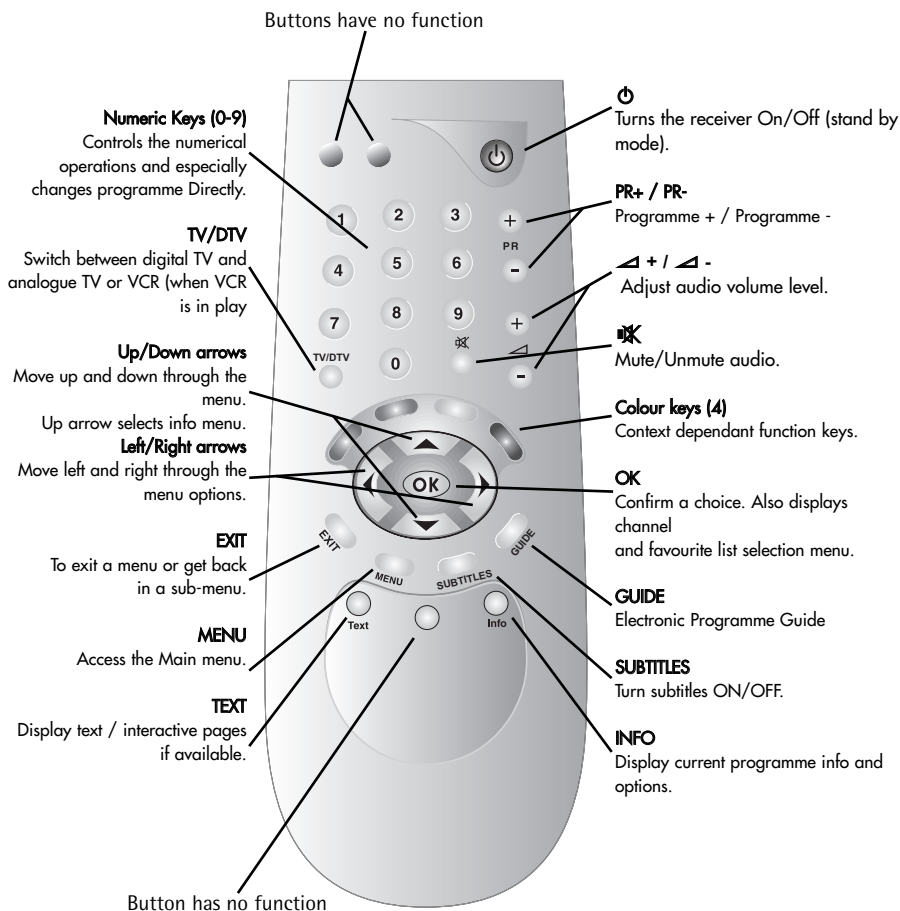


Additional SCART cables are available from your dealer.

IMPORTANT NOTE : *This receiver MUST be connected via scart leads to your TV and/or VCR.*

Remote control

Insert the batteries into the handset making note of the polarity.
Always point the remote control at the receiver.

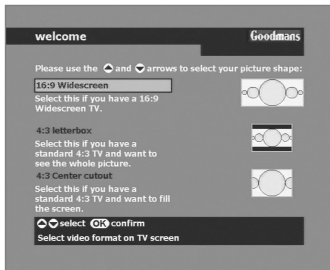


First time use

After connecting you unit as shown on page 5, follow the steps below to complete the setup process and start watching digital TV.



1. Insert the power plug. Please wait while the receiver starts up. This takes about 20 seconds

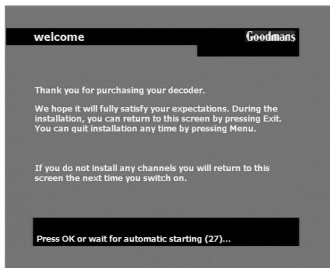


2. Now choose your screen type.

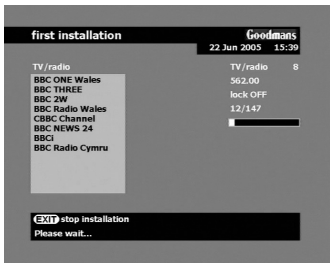
If you have a 16:9 widescreen TV choose the top option by pressing the **OK** button on the remote control.

If you have a 4:3 standard TV and you want to see all the picture that is available, press the down arrow key **▼**, to select 4:3 letterbox, and then **OK**. Note that some programmes will show black bars at the top and bottom of the picture.

If you have a 4:3 standard TV and you don't like the black bars, press **▼** twice, to select centre cutout, and then **OK**. Note that for some programmes you will miss the action at the picture edges.



3. The receiver now waits for 30 seconds to allow you to be comfortable that the aerial and other connections have been made correctly. When you are happy, press **OK** to start searching for services.



4. The receiver will now search for all available services in your area. The list will grow in the window as services are found. This process will take about 5 minutes to complete so please be patient.

If no services are found, then the receiver will return to step 3. Refer to installation difficulties at the back of the book for possible solutions.



5. After all the services are found, you should now be watching BBC1.

Choose another service by pressing either **PR+** or **PR-** or by entering the service number with the numeric keys. e.g. press **3** then **4** for ITV3, channel 34.

Basic operation



Menu operation

Throughout this book, we will use **BOLD** text when referring to remote control button presses, and *ITALIC* text when referring to a particular menu.

You will be using the remote control buttons shown and the coloured keys, take a moment to find them now.



To use these menus, you must first press the **MENU** key which will then display the main menu.

Choose the desired menu option (menu structure is given in the chart on page 9)

You do this by using the **UP** arrow (**Δ**), to move the yellow box up the list and the **DOWN** arrow (**∇**) to move it down the list.

Once you have highlighted your choice with the yellow box, press the **OK** button to enter the selected menu.



If the receiver states that a PIN number is required (Personal Identification Number), enter this now.

The default number is **0000** you can find how to change this on page 13.

In each menu, there is a panel at the bottom of the screen which gives information on which buttons to press. This could be arrow buttons (**◀** or **▶**) or the coloured buttons.

Finally, when you have finished making adjustments, use the **EXIT** button to return up one level. To return to TV you may need to press it more than once.



Using service lists and viewing programme information

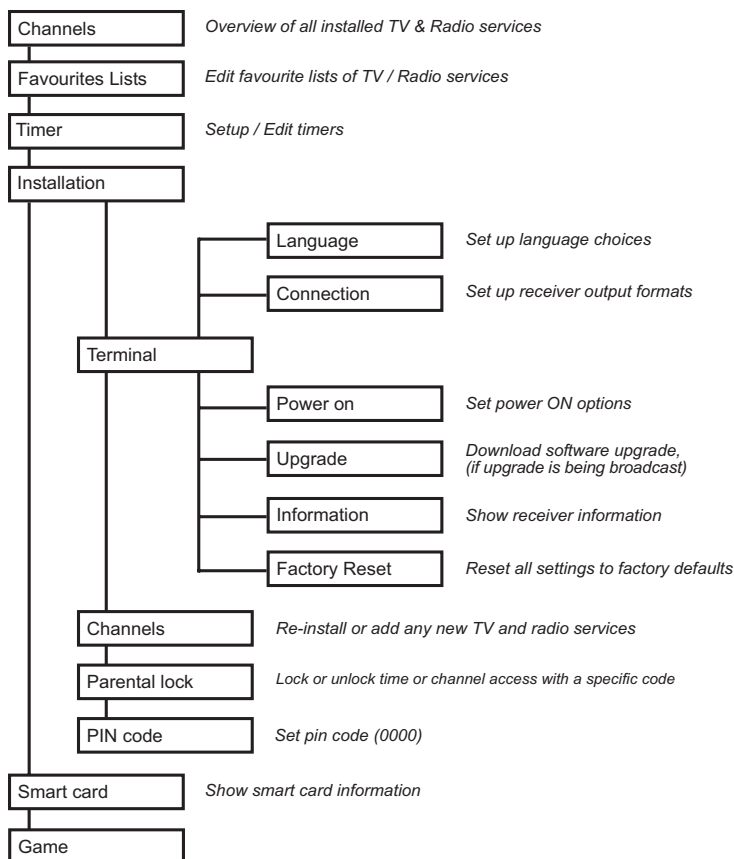
To select a channel from the channel or favourite lists while watching TV:-

1. Press the **OK** button on the handset to view the channel selection list.
2. Select the channel you want to watch from the list using the **Δ/∇** buttons.
3. To choose a personal favourite list, press the **GREEN** button, choose the list using the **Δ/∇** buttons (DTT is for all services) and press the **OK** button.
See page 14 for details on how to set up favourite lists.
4. Press the **OK** button to preview the channel, then press **OK** again to close the menu.

When viewing TV, if you press **INFO** on the handset you will display an information banner for the channel.

Press the **INFO** key again to display a synopsis of the current programme. With the synopsis of the current programme showing, press **▶** to view the synopsis for the next programme. Press the **INFO** key once more to return to the TV picture.

Structure of menus



- **This receiver is able to evolve. As a consequence it will benefit from free automatic software updates over the air (when available). The manufacturer reserves the right to proceed to any software update that it would consider appropriate in order to improve the functionality of the product, without degrading the quality level. See page 19 for details.**



- Be careful when using "factory reset", because it will erase all the data and parameters you may have set earlier (including resetting the PIN code to 0000). Once you have made a Factory Reset you will have to re-install your preferences and re-scan your channels.

Tuning the receiver

For first time tuning please refer to the "First Time Use" section on page 7. If this is not the first time follow the steps below :-

Auto tune

Once the receiver has been connected to the aerial and television, the receiver can now be tuned in.

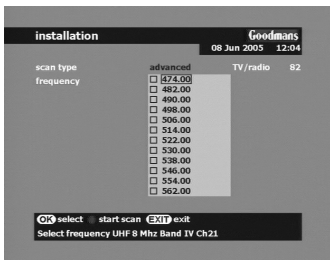
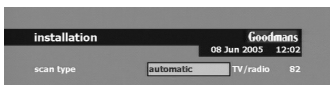
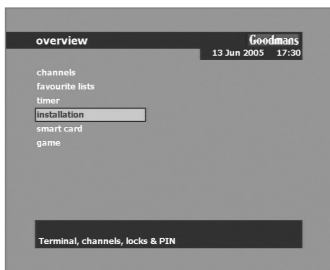
1. Press **⏻** on the handset to turn the receiver on.
2. Select *menu > installation > channels > install*
3. Press **OK** to start **automatic** scan.

Now wait while the receiver searches for all the available services, this may take a few minutes.

The receiver will place the services in numerical order as defined by the broadcasters.

4. Press **EXIT** to exit the menu.

As new services become available, they will need to be added to the channel list. To re-scan for new channels repeat the steps above.



Manual tune

IT IS HIGHLY RECOMMENDED THAT ONLY AN ADVANCED USER USE THE MANUAL TUNING. It is much more simple and quicker to use the Auto tune method described above.

1. Select *menu > installation > channels > install*
2. Press **▶** to select advanced.
3. Press **▼/▲** or **◀/▶** to select the channel to search.
4. Press **OK** to mark the channel.
5. Repeat steps 3-4 until all desired channels are marked.
6. Press **RED** to start the scan.

Erasing channels

Should you wish to remove all the tuned services without performing a factory reset follow. NOTE ALL CHANNELS WILL BE ERASED AND THE UNIT WILL HAVE TO BE REINSTALLED.

1. Select *menu > installation > channels > erase*
2. Press **OK** to erase all the channels.
3. Press **EXIT** when finished.

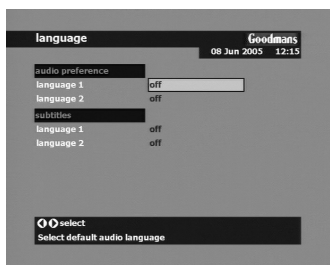
Advanced setup

Terminal (receiver settings) Setup Languages

You can choose your desired languages for Sound or Subtitles if the desired language is not available the default language for the broadcast will be used.

1. Select *menu > installation > terminal > language*
2. Choose the item to change with Δ / ∇
3. Choose option with \triangleleft / \triangleright

If you have a preferred sound or subtitle language, select it here and when the chosen service becomes available the sound or subtitles will appear automatically. There are 2 options in case more than one preferred language is required. If both languages are being broadcast the receiver will use the language 1 option. If none of the selected languages are available the default option for the broadcast will be used.



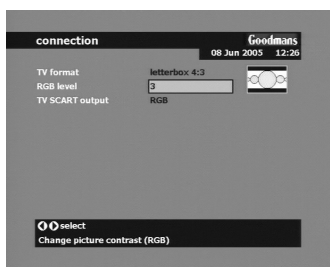
Connection

You can choose how your receiver works with other devices.

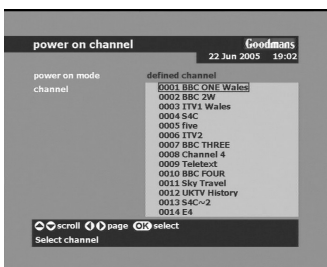
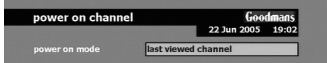
1. Select *menu > installation > terminal > connection*
2. Choose the item to change with Δ / ∇
3. Choose option with \triangleleft / \triangleright

Notes on settings :-

- For **TV format** choose **16:9** for a widescreen TV, **4:3 letterbox** for displaying a full widescreen picture on a standard TV, (Note some programs will show black bars). or **4:3 centre cutout** to fill the screen all the time. (Note this setting crops widescreen images so some picture content is lost.) Choose the setting that suits you.
- For **RGB level**, adjust the setting until the brightness level matches your other devices (Analogue TV/VCR/Satellite)
- For **TV output** choose from **RGB** (however your TV may not be able to display programmes in RGB, please check the TV manual first) or **CVBS** (suitable for all other TV sets).



Advanced setup cont'd



Other options

1. Select *menu > installation > terminal*
2. Choose the item to change with Δ/∇
3. Press **OK** to select the chosen option.

power ON - to decide what is the first channel tuned to on connecting the power. The factory default is to power on to the last viewed channel, if you wish to change this, press Δ and then ∇ , then press **OK**. Use ∇/Δ to select the channel you wish to use and press **OK**. Next time the receiver is switched on at the mains, it will return to the selected channel.

upgrade - to check for an upgrade (explained on page 19)

information - to look at certain software versions and details for this receiver. This information may be requested by the Customer Helpline.

factory reset - to reset the receiver to it's factory or "out of box" condition if required. Note the PIN code is also reset to 0000. Once selected, press **OK** to execute the reset. The receiver will restart as if it had never been used. A full reinstallation is required.

Options in the info banner

To change the following options while watching a broadcast press the **INFO** button. All these settings are only stored until you change programme when the main options are restored.

1. Use ∇/Δ to select the option to change.
2. Choose option with $\triangleleft/\triangleright$
3. Press exit twice to return to normal viewing.



subtitles - select a subtitle service (if available)

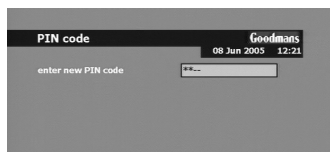
language - select an alternative language if one is available

audio - If you choose left or right for this option, the same audio (from the selected channel) will be heard from both speakers.

channels - select a different channel to view. Press **OK** to change to the selected channel.

Parental controls

You can use parental control to create viewing restrictions on your receiver. First create your own Personal Identification Number (PIN) as shown below.



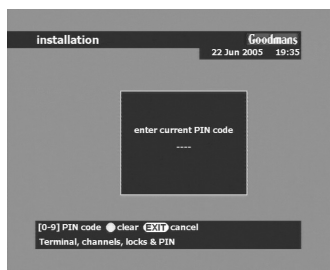
Select *menu > installation > terminal PIN code*.

Enter your current PIN (default = 0000).

Now enter your new PIN.

Now re-enter your new PIN to confirm.

Your new PIN code is now stored. **KEEP IT SAFE!!**

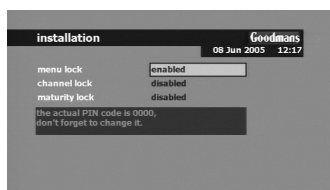


Note: When entering your PIN, if you make a mistake, press the **YELLOW** button to try again. Press EXIT at any time to cancel PIN change. The the below locks to work the PIN number must be changed from the default (0000)

Now select *menu > installation > parental lock*

You may be asked to enter you PIN code, do this using the **NUMERIC** buttons.

Select the following options using the Δ/∇ keys, use $\triangleleft/\triangleright$ to change the option and then press **OK**.



Activation - switch controls on/off

Turn on/off the lockout modes.

Menu lock requires a PIN to enter any menus.

Channel lock allows certain channels to be locked.

Maturity lock requires a PIN for certain programmes. (Please note this is dependant on the programme containing the

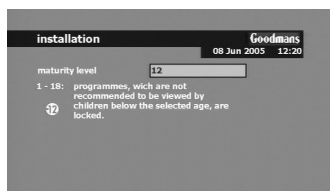
relevant information. If the information is not being broadcast then the programmes will be shown. For this case it is recommended that you use the channel lock instead of the Maturity lock.)



Channels - lock specific channels

1. Select the channel you wish to lock using the Δ/∇ keys.
2. Press **GREEN** to Lock/Unlock it (a padlock appears next to the channel name when locked).

To view a locked channel, select the channel you wish to view, then enter your PIN.



Maturity - lock by programme content

1. Enter PIN
2. Enter the age limit for programme content.

Any programmes with content above or equal to the age selected will require a PIN number to be viewed. Enter the number when prompted.

Channel lists

Channel List

This list contains all the channels that were found during an Auto tune or Manual tune. You can use this list to find your services and check the signal strength to confirm the quality of signal received.



1. Select *menu > channels*

2. Select the channel you wish to check using Δ / ∇

3. Press the **OK** button, the channel selected appears.

The 2 bars will show Green if the signal quality is good.

If they show yellow, then your aerial installation may need some adjustment if you are getting some picture reception problems.

If the bars show any red, then your aerial installation may need replacing as you will not be able to watch services in this condition.

Favourite List

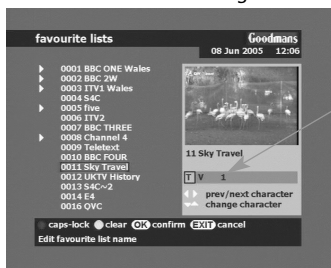
This menu enables you to create and organise your Favourite channels lists. You can create up to 7 Favourite channel lists from the current channels list.

Access the favourite list menu by following *menu > favourite lists*.

Press the **TEXT** key to select the list you wish to change. The name of the current list is shown on the right hand side of the screen under the name of the currently showing channel. (The default names for the favourite lists are TV 1 -> TV 7)

Naming / Creating a Favourite channels list.

With the list to be changed selected press the **YELLOW** button to access the name edit menu.



1. Press **RED** button to switch between lower case and capitals.

2. Press $\triangleleft / \triangleright$ keys to select the character to be changed

3. Press Δ / ∇ keys to modify the character.

4. Press **YELLOW** button to delete the selected character.

5. Press **OK** to confirm changes and return to "favourites" list.

Adding Favourite channels

1. Press the **TEXT** button to select the Favourite list to change.

2. Using Δ / ∇ keys, select the channel you want to add and press the **GREEN** button on your remote, the channel is marked or cleared as Favourite. A symbol will appear beside the channel's name.

3. Repeat step 2 for all channels you want to add to your Favourite list.

4. When finished, press the **EXIT** button repeatedly to return to TV mode.

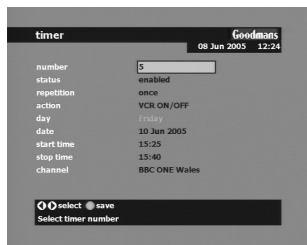


To select the favourite list while watching TV, press the **OK** button, then the **GREEN** button. Now select the list you wish to use and press **OK**, then choose the channel you wish to view. Press **OK** to view the selected channel. NOTE while watching TV with a favourite list selected the **PR+** and **PR-** buttons will only cycle through the channels in that list.

Timer programming

To record an analogue channel ensure that the aerial connections to your VCR are as shown in the connection diagram on page 5 and use the VCR as normal.

To record a digital channel, connect the receiver directly to your VCR via the VCR scart socket on the rear of the receiver (see connection diagram). Please consult your VCR user manual for details on recording via **AV** or **AUX** inputs.



The **timer** function enables the receiver to :-

- Automatically switch to channels at pre-selected times.
- Automatically switch the receiver ON or OFF
- Start Auto Record on the VCR (where the VCR supports scart automatic recording function, see VCR manual for details.)

1. Open the timer menu by selecting *menu > timer*
2. Select the timer options using the **</>** and **Δ/▽** keys.
 - **Timer number:** You can select up to 16 different events.
 - **Status:** Set to "Enable" to use the timer function, or "Disable" to stop the timer functions of the timer number you selected. (Please note to set the timer, first set this option to enabled)
 - **Repetition:** Choose how often the timer event is to occur (Once, Daily, Weekly).
 - **Action:** select the action you want the timer to do.
- * **VCR ON/OFF:** The timer will switch on and off only the VCR SCART at the programmed time (the user must set his VCR in order to record the programme.)
- Zap to channel:** The timer will display a message to allow you to switch to a programmed channel at the programmed time.
- Power OFF:** The timer will switch off the receiver at the programmed time.
- Power ON:** The timer will switch on the TV (if it is in standby and connected to the receiver through a SCART cable; before using this option please check your TV instruction manual to ensure that your TV supports auto turn-on via a SCART cable, not all TVs support this functionality) and the VCR SCART at the programmed time.
- Power ON/OFF:** The timer will switch on and off the TV (if it is in standby and connected to the receiver through a SCART cable; before using this option please check your TV instruction manual to ensure that your TV supports auto turn-on via a SCART cable, not all TVs support this functionality) at the programmed time.

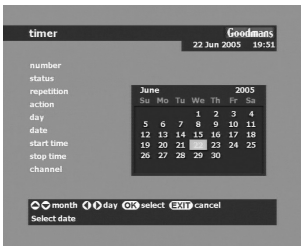
* A suitably equipped VCR can record automatically during this time. Please note that unless your VCR supports automatic scart recording **YOU MUST ALSO SET THE VCR TIMER.**



Timer continued



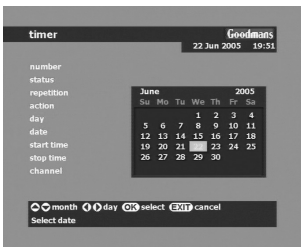
Day of week: If you selected "Weekly" in the **Repetition** field, then highlight the day option using the Δ/∇ keys. Then select the day in the week that the timer should be set for using the $\triangleleft/\triangleright$ keys.



Date: Press **OK** to display the calendar then, using the cursor buttons set the date of the timer event. Use the Δ/∇ keys to select the month and the $\triangleleft/\triangleright$ keys to select the day.

Press **OK** when you have chosen the date.

- **Start Time:** Set the start time by firstly pressing the **YELLOW** button to clear the current entry, then using **NUMERICAL** buttons, enter the new time.
- **Stop Time:** Set the finish time using the **YELLOW** and **NUMERICAL** buttons as above.



Channel: With the channel option highlighted, press the **OK** button, select channel to be shown when the timer activates and then press **OK**.

3. When you are happy with the settings, press the **GREEN** button to save the timer setting.

Tip: The options available for change (those that are not available will be greyed out) change depending on what **ACTION** you have set for the timer.

4. Repeat steps 2 to 4 above for each timer event. Press **EXIT** to return to the main menu and again to return to the TV picture.

Programme guide

To display the TV programme guide, press the **GUIDE** key. This shows the programme guide data provided by the broadcasters. This ranges from what's on now and next to a full 7 days worth of data. The currently showing programme is highlighted by the white box (in the screenshot below THIS MORNING at 12:00 is the currently showing programme). Please note that not all channels broadcast the full 7 day programme guide data, in this case the box will show "No program information", this is normal and not a fault with the receiver.



- To select a different channel, use the **</>** keys.
- The highlight box (red outline box) can be moved through the programme information for the selected channel using the **Δ/▽** keys.
- Press **GREEN** to view the information for the next day.
Press **RED** to view the information for the previous day.
- To see more information about a selected programme press **YELLOW**.
- To record the selected programme press **BLUE**. The timer details are automatically transferred to the timer. See page 15 for details on the timers. Press **GREEN** to save timer.
- With the currently showing programme highlighted with the red box, press the **OK** button to view that programme.




Note: There may be a delay in displaying your selected channel, this is due to the receiver collecting the information to be displayed.

Trouble shooting and technical information

Trouble Shooting

Not every picture or sound problem is caused by a defect in your Digital Terrestrial Receiver. Leads having been accidentally pulled out or worn out batteries in the remote control can also cause impairment. If your unit does something unexpected while you are using it, please refer to the table below. If this fails to solve the problem please unplug the unit, wait a few seconds then plug it in again.

FAULT	CAUSE/REMEDY
Receiver does not respond to the remote control	Check or replace the remote control batteries. Unit is in standby (Red light on). Press Standby button. Point the remote control directly at the receiver. Remove all obstacles which may impair the path of the remote control signal.
No Picture Disrupted Picture	Check all connections at the rear of the unit Check RF IN connection. Ensure cables to TV are inserted correctly Select AV channel on TV set Check Aerial Installation with a qualified installer.
No Sound	Check all connections at rear of unit Unit may be in Mute mode. Press the  + button.
No Power	Check mains plug is inserted correctly and receiver is switched on

Technical Information

This product fulfils the European directives 89/336/EEC, 73/23/EEC and 93/68/EEC. This device conforms to the safety regulation EN 60065 and therefore the international safety regulation IEC 60065.

You may not open the Digital Terrestrial Receiver. The manufacturer accepts no liability for damage resulting from improper handling

Mains voltage:

230V~, 50/60Hz

Ambient temperature:

+10°C to 35°C

Dimensions and weight

Dimensions : W x H x D - 252 x 43 x 153mm Weight : Approx. 0.7Kg

Video:

Signal to noise : 73dB

Video jitter : 1ns

Power consumption:

Operating approx. 10W.

Audio Format:

Analogue : Stereo Sound

Audio:

Signal-to-noise: 95dB

Interchannel isolation : 90dB

Installation difficulties

What to do if your installation should fail!

- Check that all the connections have been made as shown in the diagram and the power is switched on.
- Check the batteries are in the right way round.
- Make sure the TV aerial is connected directly to your receiver (1st in chain).
- Check any signal boosters are Digital TV compatible and switched on.
- Repeat the installation by following the tuning instructions on page 10.
- If this doesn't help, you **may** need an aerial upgrade.

Reasons to upgrade your aerial installation

There are 3 main reasons why you may need to upgrade your aerial.

- Your current aerial and cabling may not be able to receive all the digital channels due to its age and condition.
- In your location the digital channels may be transmitted on different frequencies to your existing analogue signals and you may need a different type of aerial to receive them.
- The new digital channels may be transmitted from a new transmitter and if this is the case the aerial would have to be re-aligned. Alternatively you could add a second aerial to your system.

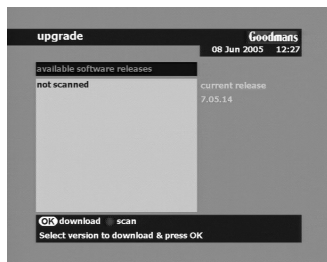
Upgrading your receiver

From time to time new services are launched which may require your receiver to be upgraded with new software before you can use them. Sometimes new features may be introduced to enhance your receiver. A menu is automatically displayed when a new "Over-Air Upgrade" is detected. The receiver automatically looks for updates in standby mode.

Follow the instructions on screen to upgrade your receiver.

Check for upgrade

You can manually check to see if new software is available for download. If there is one available, you will see it listed.



To check:-

1. Select *menu > installation > terminal > upgrade*.
2. If there is an item to download, select it using Δ/∇ keys and press **OK**.
3. If no download is available, press **RED** to scan all frequencies for a download. (please note this scan will take several minutes). To cancel scanning for an update press the **EXIT** button.
4. If the scan finds an upgrade to download, select it using

Δ/∇ keys and press **OK**. If there is still no download available, press **EXIT**.

The download can take up to 30 minutes or be slow to start, so please be patient. After the download, details about the new software may be displayed for you. There may also be a telephone number to call in case of any difficulty.

- If the download fails, you can try again later.
- During the download, **DO NOT** switch off the receiver!



QUICK START INSTRUCTIONS

