

DigiFusion

FVRT100

Digital Video Recorder

User Guide

DigiFusion

Thinking outside the box

Customer Helpline t: 08702 405 005 e: support@fusiondigitec.com

Fusion Digital Technology Ltd. www.fusiondigitec.com

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Introduction

The Digifusion FVRT100 Digital Video Recorder will completely change the way you watch and record TV, giving you greater choice and control of watching programmes when it suits you. Now you can access all digital TV channels & radio stations available with Freeview, as well as store hours of your favourite TV onto the product so you'll always have something to watch:



- Record, store and playback hours of TV programmes onto its built-in hard disk so there's no need for videotapes
- Record programmes quickly and easily through the MultiGuide™ and watch in digital broadcast quality
- Set recordings up to 7 days in advance
- Watch one channel whilst recording another
- Record two channels at the same time
- Watch a recorded programme whilst recording two channels
- Pause and rewind live TV

These easy to follow instructions explain how to set up the equipment and operate the Digital Video Recorder (DVR). A list of DVR terms and functions are explained on pages 13 – 14 to help you become familiar with this product and its features.

Introduction

The availability of Freeview digital terrestrial services in your home depends on your local transmitter and the configuration of your existing reception equipment.

You should have already checked your postcode to see if you are in a Freeview coverage area.

If not, please contact Freeview immediately:

- Call 08708 809980
- Text your postcode to 83331
- Visit www.freeview.co.uk

If you are in a Freeview coverage area but are unable to receive all available channels for your location, it is recommended you have a site survey by a professional aerial installer to ensure aerial alignment and 'line of site' to the transmitter are optimised. If you do not know of a local aerial installer, please call the Confederation of Aerial Industries (www.cai.org.uk) on 0208 902 8998 who will be able to recommend one.

*TV Listings subject to coverage

If you have any product queries, please call the Digifusion Customer Helpline on 08702 405005 or email support@fusiondigitec.com

Packing Contents

- 1 FVRT100 Digital Video Recorder
- 2 2 batteries, 1.5V (AAA)
- 3 Remote control
- 4 User Guide
- 5 Power Supply



Installation and Safety

! Please read all the safety instructions before first use of your unit.



- Position the power supply and other leads so that they are not likely to be walked on or pinched by things placed on or against them. When plugging in the power supply to the mains make sure your hands are not wet.



- Do not place objects filled with liquid such as a flower pot on top of the unit.
- Do not expose the unit to rain, moisture, dust, dripping or splashing of liquids. If any liquid is spilt into your unit it can cause serious damage. If you spill any liquid into the unit, switch it off at the mains and contact your retailer.

Installation and Safety



- Avoid extremes of temperature, either hot or cold.
- Place your unit well away from heat sources such as radiators or gas/electric fires. Do not place the unit on surfaces such as cloth, carpet, sponge etc.



- Make sure that no naked flame sources, such as lighted candles, are placed on top of the unit. If the unit is exposed to drastic temperature changes, for example when taking it from a cold to a warm place, let it stand at the new place for at least two hours before connecting it to the mains adaptor.



- The heat built up in the set escapes through ventilation holes, so do not cover the unit with drapes, clothes etc. as that may block air circulation. This unit is designed to operate in a moderate climate.

- If you wish to place the unit on a shelf or wall unit, always ensure there is a minimum air gap of 8 cm around the top, sides and rear to assist ventilation.



- Clean the unit using a slightly damp cloth or chamois leather. Never use abrasive cleaning agents like liquid or aerosol cleaners.

- Remove the mains plug from the socket outlet while cleaning. When plugging out the power supply from the mains hold the unit by its body and not the cord.

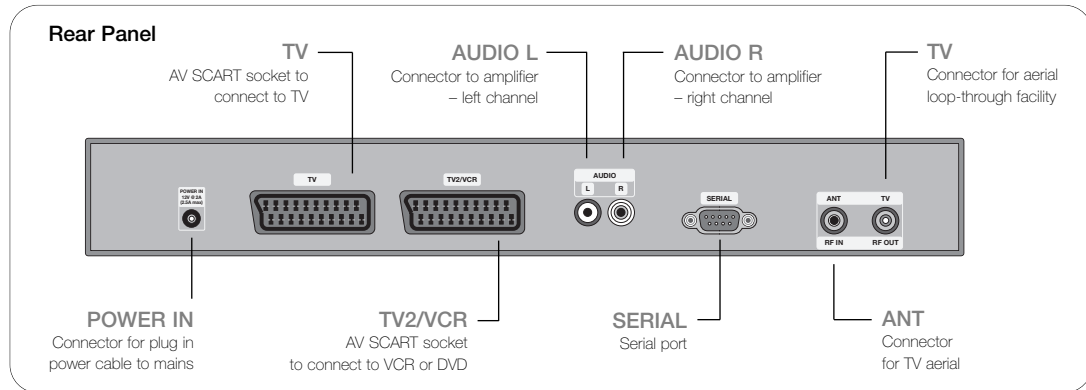
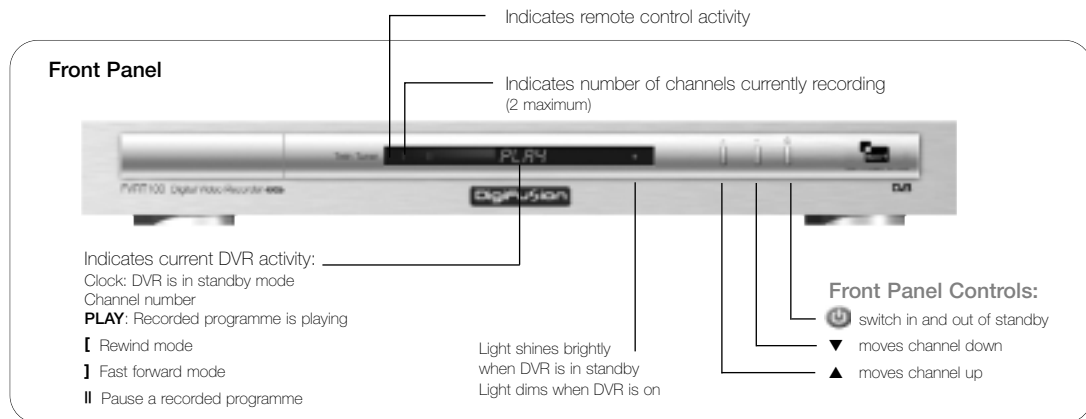
- Your unit is designed to operate with the mains adaptor supplied. Do not connect your unit to power sources other than that supplied.

Batteries are easily swallowed by young children. Do not allow young children to play with the remote control unit.

Thunderstorms are a danger for any electrical appliance. Even when switched off, the unit might be damaged by lightning striking the mains supply and/or the aerial lead. During a thunderstorm it is advisable to unplug the aerial from your receiver. Even if your receiver and TV are switched off, they can still be damaged by lightning strikes.















Never use the unit if it is damaged in any way or attempt to open it. Damage caused by unqualified work is not covered by the manufacturer's guarantee and removal of fixed covers may expose dangerous voltages.

Product Overview



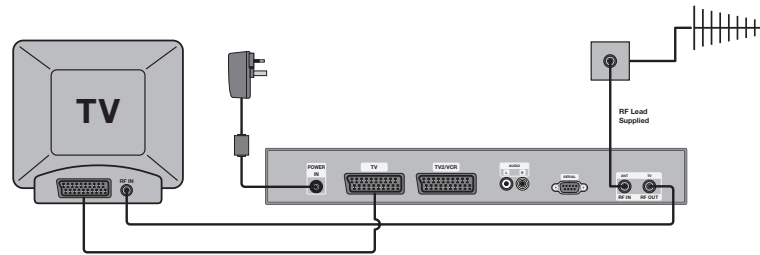
Remote Control



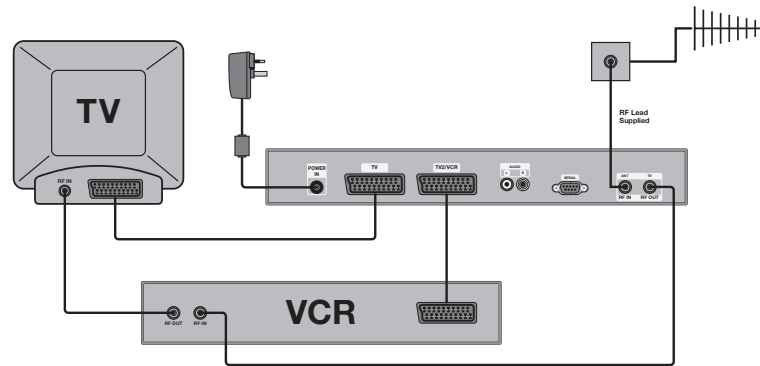
-  Switch the receiver in and out of standby
-  Switch TV audio on and off (mute)
- VOL+** Increase audio volume
- VOL-** Decrease audio volume
- CH+** Change channel up
- CH-** Change channel down
- 0-9** Numeric keys for input of channel number
- Text** Enter/exit digital text services
- Cancel** Return to previous menu screen
- TV/AV** Switch between VCR loopthrough and DVR output mode
- SUB** Display/cancel subtitles
-     **OK** Navigate through the Multi Guide™ and interactive services, swap channels
- Colours** Perform functions in Multi Guide™, digital text and interactive services
- Menu** Enter Multi Guide™ menu
- Guide** Shortcut to enter Guide to view TV programme listings
- Calendar** Shortcut to Calendar to set reminders and view advanced programme listings
-  Rewind at high speed
-  Play at normal speed
-  Fast forward at high speed
-  Pause live recording or playback
-  Stop live recording or playback
-  Record programme you are currently watching
-  Skip scene backwards
-  Skip scene forwards/skip to live TV

Getting Started

How to connect your TV and DVR



How to connect your TV, DVR and VCR/DVD

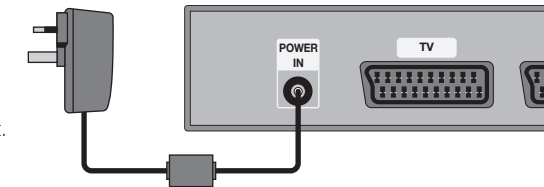


Connect your TV aerial cable to the RF IN input on the rear of the DVR. SCART and/or RF leads (not supplied) are connected as in the diagrams as shown above.

Getting Started

Connecting the Power Cable

Plug the power cord supplied into the POWER IN socket on the back of the unit. Insert the power plug into the wall socket.



Caution:

The only way to disconnect the DVR from the mains supply is to pull the plug from the wall socket.

The power plug must be disconnected from the main supply before the cord is plugged in to the POWER IN socket

Inserting the batteries in the remote control

Open the battery compartment by pressing the snap-catch, and remove the lid. When inserting the batteries type 1.5V, observe the polarity marked on the battery compartment.

Note:

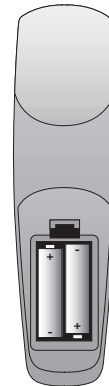
If the DVR no longer reacts properly to remote control commands, the batteries may be flat.

Always remove flat batteries. No liability is accepted for damage resulting from leaking batteries.

Environmental note:

Batteries, including those which are heavy metal-free, may not be disposed of with household waste.

Please dispose of used batteries in an environmentally sound manner. Find out about legal regulations which apply in your area.



Getting Started

Once the DVR has been connected to the mains and the TV, the “Welcome” screen will be displayed on the TV. If this doesn’t appear, press TV/AV or channel 0 on your TV remote. Weekly TV listings will not be available until the DVR has been installed and powered on overnight to receive an initial download. Quick Guide listings (now and next programmes) are available from set-up - see page 24 for more details.

- Press **OK** to confirm your aerial is connected to your TV DVR.
- Please wait while the DVR searches for all available frequencies and channels – this may take a few minutes. All channels found will be automatically stored in numerical order.
- Once the search is complete, press **OK** to start watching digital TV.
- To view all digital channels found and stored, press **Guide** on your remote.
- Use **▲▼** to select a channel and press **OK** to watch.

If you don't think your DVR has found the correct number of channels available, check to see if your aerial needs replacing or realigning.

- Press **Menu** on the remote, use **▶** to select 'Set Up' and press **OK** to enter.
- Scroll down using **▼** to select 'Aerial Alignment' and press **OK**.

If the Errors bar for signal strength is over the maximum level, you should contact a local aerial installer or call the Confederation of Aerial Industries on 0208 902 8990 who will be happy to recommend one.

Getting Started

Storing and Adding Freeview Channels

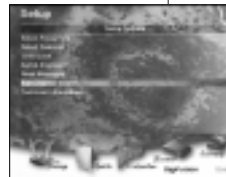
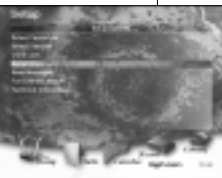
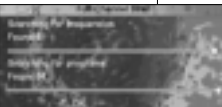
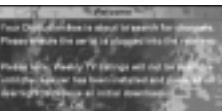
You may need to re-store channels, for example, if a new channel is launched or your aerial is realigned.

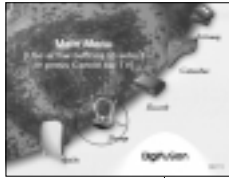
- Press **Menu** on the remote, use **▶** to select 'Set Up' and press **OK** to enter.
- Use **▼** to select 'Full Channel Search' and press **OK** to confirm you want the search to begin.

Changing TV Channels

To change TV channels, you can perform any of the following operations:

- Use **Ch+** and **Ch-** to browse up and down the available channels.
- Select the number of the channel using **0-9** numeric keys.
- Press **Guide** to view all available channels. Select the required channel using **▲▼** keys and press **OK** to confirm.





MultiGuide™ Contents

Find your way around the MultiGuide™ quickly and easily

- **Guide** Access today's TV Listings
- **Setup** Access DVR configuration settings and features
- **Calendar** View TV listings for the week ahead
Set/view personal reminders
- **Record** Access the record list – includes current recordings and programmes scheduled to be recorded
Record programmes manually
View the amount of storage space used on the hard disk
- **Library** Access recorded programmes stored on the hard disk for playback
View the amount of storage space used on the hard disk
Manage storage space on the hard disk

To navigate quickly whilst in the MultiGuide™, press Menu to highlight a sub-menu icon, use < > highlight the required sub-menu and press **OK** to enter.

DVR Terms and Phrases

The DVR allows you to watch and record TV in a completely new way. To help you understand and operate its functionality, please become familiar with the following terms and functions.

■ Hard Disk

A hard disk drive is built in to the DVR to enable you to record and store programming so you no longer need to record to videotapes. The hard disk drive in this DVR is 40GB, allowing you to store over 40 hours of programming using Super Compression Technology (see below).

The amount of hard disk space available is displayed in the Hard Disk Usage bar, both in 'Record' and Library'. This indicates the amount of free, used and reserved space for scheduled recordings currently available.

■ Super Compression Technology (SCT)

SCT allows you to increase the capacity of the hard disk by compressing the broadcast to maximise storage space. When recording a programme on the DVR, you can select your preferred recording mode, equivalent to VCR recording modes. These range from **SP** (Short Play – the normal recording speed) offering highest quality recordings using maximum hard disk capacity, **LP** (Long Play), to **EP** (Extended Play), creating lowest quality recording using minimum hard disk capacity.

Recorded programmes can be compressed to create additional storage space, either when the recording is set or once the recording has been made – see page 22 for further details. When this occurs, additional disk space is required to perform the operation. It may be necessary to delete existing recordings stored in the library to allow for the compression to take place.

Pause and Rewind Live TV

When the DVR is switched on, it automatically records up to the last 30 minutes of the channel it has been tuned to. This allows you to:




- Pause the programme you are watching (for up to 30 minutes), then continue watching the programme from exactly the same point at which you left.
- Rewind and play up to 30 minutes of the TV channel the DVR has been tuned to
 - Delayed live mode** – pause or rewind live TV so it plays as though it is live
 - Playback mode** – play recorded programmes stored in the 'Library'

Scenes

When recordings are stored to the hard disk, snapshot images are automatically generated at 5 minute intervals throughout the programme and displayed in the 'Library' for enhanced navigation. Each snapshot displayed represents the beginning of a 5 minute scene.




Recording Icons

The recording icon  is displayed in different colours in the Guide to indicate the type of recording activity:



- Red**  – recording programme to hard disk
- Green**  – recording the last 30 minutes of the TV channel to watch in delayed live mode
- White**  – paused TV



Fast Forward

- Press  to fast forward a recorded programme. Pressing this button repeatedly doubles the fast forward speed as indicated on screen. (up to x64 max)
- Press  to skip forward scenes (in 5 minute intervals) whilst watching in **playback** mode.
- Press  to skip directly to live TV whilst watching in **delayed live** mode.

Rewind

- Press  to rewind a recorded programme. Pressing this button repeatedly doubles the rewind speed as indicated on screen. (up to x64 max)
- Press  to skip back scenes (in 5 minute intervals).

Slow Motion Playback

- Press  and then use  /  to play a quarter or half speeds

Screen Displays

The following screen displays appear when the DVR is in rewind, fast forward and pause modes

■ Time Display




This appears at the bottom right hand corner to indicate how long the recording has been playing

■ Timeline




The pink line displayed along the bottom of the screen indicates the total duration of the recording. The white marker on the timeline indicates at which point you are watching the programme in relation to its total duration.

Using the DVR

Pause Live TV

- Press  to pause live TV. The programme will be paused for up to 30 minutes
- Press  to continue watching the programme in **delayed live** mode.
- Press  to skip forward to live TV again.




Instant Rewind Live TV

- Press  to rewind the current programme you are watching, or press  to skip back scenes.
- Press  to skip forward to live TV.

Swap Channels

If you are watching a programme either in playback or delayed live mode, press  to swap between channels quickly and easily.

For example:

- When watching BBC1, select a programme to playback from the Library and use  to swap between the two.
- When watching BBC1, pause live TV on that channel, then flick to BBC2 and use  to swap between the two.
- Watch BBC1, then flick to BBC2, then select a programme to playback from the Library, use  to swap between all three.


Using the DVR

Recording with the DVR

There are various ways in which you can record, depending on when the programme is scheduled to be broadcast.

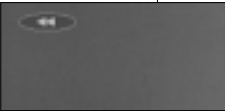
Record Programmes Now Showing (One Touch Recording)

Record programmes now showing quickly and easily by pressing just one button on the remote

- Go to the correct channel and press 

The recording icon will be displayed at the top left hand corner of the TV screen and the programme details will appear in the 'Record' menu.

Please note: One Touch Recording is not possible if no TV listings are displayed for the particular programme.



Recording Programmes Showing Today

- Press **Guide** on the remote to view today's programme listings
- Use **▲▼◀▶** to highlight the desired programme.
- Press **Green** to record - you will then be taken to the 'Record' section of the MultiGuide™.
- Use **◀▶** to alter recording details and **▲▼** to select options.

It is advisable to slightly increase the duration of the programme to allow for minor changes to the schedule.

- Once recording options are chosen, press **Green** to add to the record list.

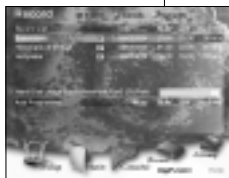
To return to watching TV:

- Press **Menu** to select a sub-menu at the bottom of the screen
- Use **▶** to highlight **Guide** and press **OK** to display TV listing information.
- Use **▲▼** to highlight the desired TV channel and press **OK** to view.

Record Programmes Showing This Week

Press **Calendar**, use **▲▼◀▶** to select the date and press OK to display the day's TV listings.

Follow instructions as above.



Manual Recording

You may want to set the DVR to record manually e.g. if no TV listings for that particular programme are displayed in the **Guide**.

- Press **Menu** on the remote, use **▶** to highlight 'Record' and press **OK** to enter.
- Press **OK** again to add a manual recording to the list.
- Use **▼** to scroll down each of the recording options:
 - **Channel:** Use **▶** to select the channel your programme will be on.
 - **Title:** use text keys as displayed on your remote to enter the name of the programme. (The programme synopsis will not appear in 'Record' or 'Library' if a different programme name to the one displayed in 'Guide' is entered)
 - **Date:** Use **▶** to select
 - **Start Time:** **▶** to select start time – hold button down continuously for faster navigation
 - **Duration:** Use **▶** to select programme duration – hold button down continuously for faster navigation. By entering the duration, the End Time is automatically set.
 - **Mode:** Use **▶** to select recording mode (see page 15 for explanation)
- Press **Green** to add to the record list.



Using the DVR

It is advisable to slightly increase the duration of the programme to allow for minor changes to the schedule. This can be achieved by altering the start and end times of each recording.

To return to watching TV:

- Press **Menu** to select a sub-menu at the bottom of the screen
- Use **▶** to highlight **Guide** and press **OK** to display TV listing information.
- Use **▲▼** to highlight the desired TV channel and press **OK** to view.

Recording Conflict

The DVR can record any two channels simultaneously. If you have scheduled two recordings at the same time, you can either watch one of these channels or playback a previous recording from the 'Library'.

If you attempt to view another channel whilst recording two channels, you will be presented with the following options:

- Press **Red** to go to **Guide** to view either of the channels currently being recorded
- Press **Green** to go to **Record List** to cancel a current recording – once you have stopped a recording you will then be able to view any other channel
- Press **Yellow** to go to **Library** to watch a recorded programme stored on the hard disk

Using the DVR



Playback Recorded Programmes

All recorded programmes are listed in the on screen **Library**.

- Press **Library** on your remote to display a list of recorded programmes, with the most recent recording appearing first.
- Use **▲▼** to scroll through the list to view all recordings.

When the programme title is highlighted, snapshot images are displayed below that index the recording into 5 minute intervals or scenes for quick and easy navigation - the scene number and duration into each programme are also indicated.

- To play a recorded programme from the beginning, use **▲▼** to highlight the programme and press **OK**
- To play a recorded programme from a specific scene as displayed, use **◀▶** to highlight and press **OK**



Create New Scenes

Add new scenes during the playback of a recording to create further indexing for more accurate navigation e.g. to easily omit the viewing of unwanted programming.

- During playback, press **OK** at the precise point where you want the scene to begin
- Press **Green** to confirm you want to add the new scene.

The new scene will be displayed when you next enter **Library**.

To delete a particular scene, ensure the programme is highlighted, use **◀▶** to highlight and press **Yellow**. Deleting scenes does not delete any part of the programme, only the snapshot image displayed in **Library**.

Using the DVR



Delete Programmes

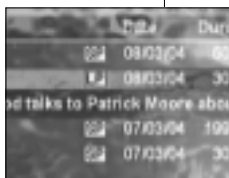
- Press **Library** on your remote to view all recorded programmes currently saved.
- Use **▲▼** to highlight the programme you wish to delete, press **Red** and then **Green** to confirm. This programme will be permanently deleted from the DVR.
- To delete all programmes stored on the hard disk, see Technical Information page 35.



Increasing Recording Capacity

Compress your current recordings to maximise storage space on the hard disk

- Press **Library** to view recordings
- Use **▲▼** to highlight the programme you wish to compress
- Press **Green** to change the recording mode



The following formats can be compressed: SP – LP, SP – EP, LP – EP

Please note: When compressing a previously recorded programme, additional disk space is required to perform the operation. It may be necessary to delete existing recordings stored in the library to allow for the compression to take place. The quality of the recording will decrease after the programme has been compressed. The compression process takes approximately 4 hours for each hour of programming when the DVR is in standby mode.

Audio programming (e.g. radio stations) can not be compressed.

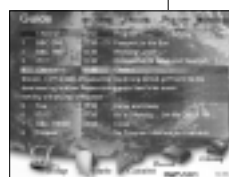
Using the DVR



Weekly TV Listings Guide

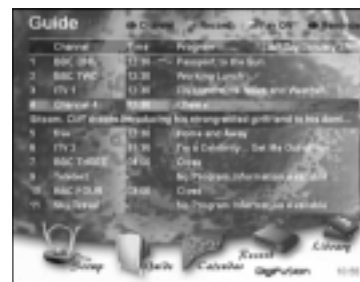
View the latest TV listings for the week ahead for all available digital channels. Channel 704 “4TV Interactive” must appear in your channel line-up in order for you to receive weekly TV listings.

- Press **Guide** on the remote to display programme listings by channel.
- Use **▲▼** to scroll up and down the channel list. Highlight the desired programme and press **OK** to view.
- To view programme listings throughout the day, use **◀▶** to move the time forwards and backwards.
- To view programme listings by channel rather than by time, simply press **Red** to switch the format. Use **◀▶** to change the channel being viewed.

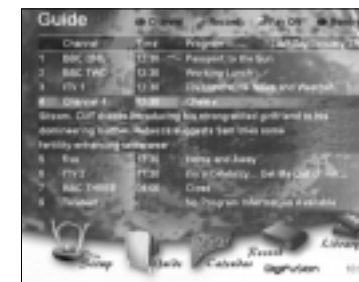


The DVR needs to be in standby every night for the latest TV listings to be downloaded. If power to the DVR is switched off over night, TV listings will not be updated.

View Programme Synopses



One line of the synopsis appears when a programme is highlighted.



Pause on the highlighted programme for a few seconds and a full synopsis will appear.

Advanced TV Listings

View TV listings for the week ahead quickly and easily using the Calendar feature in the Multi Guide™.

- Press **Calendar** on the remote to launch the TV Calendar.

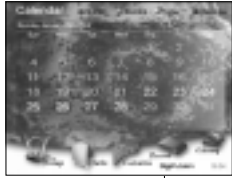
Days with advanced TV listings available are highlighted. In order to receive the latest TV listing updates, please leave your DVR in standby mode every night.

- Choose the date you wish to view programme listings by using ◀▶ and press **OK**. Full programme listings for that particular day will then appear on the screen.

TV Listings at a Glance

The Quick Guide enables you to find out which programmes are showing now and next whilst still watching TV.

- Press **OK** on your remote whilst viewing a TV channel.
- Use ◀▶ to view programme listings by channel.
- Use ▲▼ to view programme listings on now and next.
- To tune in to a highlighted programme press **OK**.
- To clear the Quick Guide display from the screen either press **OK** again or **Cancel**.



Favourite Channels

Store your Favourite channels to navigate your way around quickly, easily and avoid browsing channels that you don't wish to view.

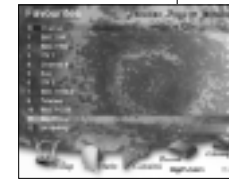
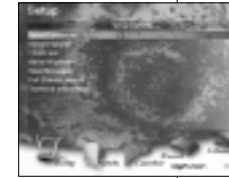
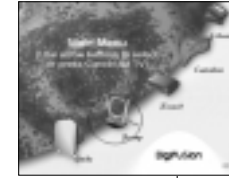
- Press **Menu** on your remote, select 'Set Up' using ▶ and press **OK** to enter.
- Use ▼ to highlight 'Select Favourites' and press **OK**.
- To select a favourite channel, use ▲▼ to scroll through the channel list and press **OK** select - a check mark will then appear next to the channel name.

You may find it easier to select all channels as your favourites and deselect the ones you don't want in your list.

- Press **Green** to select all channels.
- Use ▲▼ to scroll through the list and press **OK** to deselect. The check mark will be removed and the channel will no longer be in your 'Favourites' selection.
- To clear all previous Favourite selections press **Yellow**.

Once you have selected your Favourite channels, press **Guide** and then **Yellow** to activate this feature. Only your Favourites channel selection will then appear in this list and when browsing through channels using Ch+ and Ch-.

To deactivate the Favourite feature, press **Guide** and **Yellow** again.



Reorder Channels

Move channels to different locations in the channel list so your favourite channels appear first.

- Press **Menu**, then use **▶** on the remote to select 'Set Up' and press **OK** to enter.
- Use **▼** to select 'Select Favourites' and press **OK**.
- Highlight the channel(s) you wish to move by using **▲▼**.
- Press **Blue** on your remote to select the channel and then continue using the cursor keys to move it to the desired location.
- Press **Blue** again to place the channel in its new position.

The channel order is reflected in the 'Guide', 'Favourites' and the browsed channel list.

TV Programme Reminders

Create TV reminders in the Multi Guide™ so you don't miss your favourite TV programme.

- Press **Guide** to display TV listings, select the desired programme using **◀▶ ▲▼** and press **Blue** on your remote.
- The 'Program Reminder' pop-up screen will then appear. Press **OK** to confirm or **Cancel** to cancel.
- Just before the programme is scheduled to start, a pop-up box will appear with the TV reminder inviting you to change channel.
- To cancel the reminder, highlight the programme in **Guide**, press **Blue** and follow the on-screen instructions.

Personal Reminders

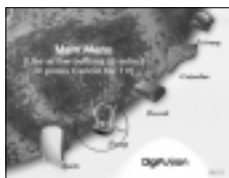
Set personal reminders for appointments or anniversaries through the TV Calendar in the Multi Guide™.

- Press **Calendar** on the remote.
- Use **Red** and **Green** to select a month and use **◀▶ ▲▼** to select the date you wish for a reminder to be set. The date will then be highlighted.
- Press **Blue** and a pop-up box will appear.
- To set the reminder frequency, use **▲▼** to select Single, Daily, Weekly, Monthly or Yearly.
- Set the time for the reminder to appear using the numeric keys on your remote control.
- Enter free-form text using the remote control keys as per your mobile phone.

TV and Personal reminders are shown by icon markers appearing next to the date.

- To delete reminders, select a day which already has reminders set, press **Blue** and follow the on-screen instructions.

Using the DVR



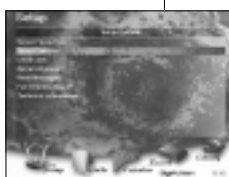
Subtitles

- To display subtitles whilst watching TV, simply press **SUB** on the remote.

- To clear subtitles, press **SUB** again.

Programmes can be recorded to include subtitles however this does take up more storage space (future option).

- Press **Menu**, use **▶** to highlight **SETUP** and press **OK**
- Scroll down **▼** to **SELECT FEATURES** and press **OK** to enter.
- Highlight **'RECORD SUBTITLES'** and use **◀▶** to adjust the setting.



Please Note: not all programmes have subtitle information and some interactive services may not operate whilst displaying subtitles.



Subtitle Language

Select your preferred subtitle language on a permanent basis

- Press **Menu**, use **▶** to highlight **SETUP** and press **OK**
- Scroll down **▼** to **'Select Features'** and press **OK** to enter.
- Highlight **'SUBTITLE LANGUAGE'** and use **◀▶** to adjust the preferred subtitle language settings available:

If the programme broadcast carries the optional subtitle language you have chosen, subtitles will be viewed in that language.

Otherwise, you will only be able to view subtitles in the default language.

Using the DVR



Audio Language

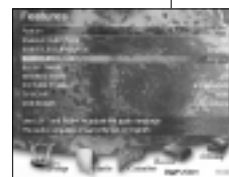
Select your preferred audio language

- Press **Menu**, use **▶** to highlight **SETUP** and press **OK**
- Scroll down **▼** to **'Select Features'** and press **OK** to enter.
- Highlight **'AUDIO LANGUAGE'** and use **◀▶** to adjust the preferred audio language settings available:



If the programme broadcast carries the optional audio language you have chosen, you will hear that language.

Otherwise, you will only be able to listen in the default language.



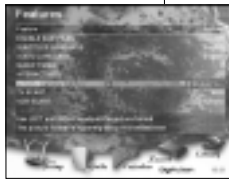
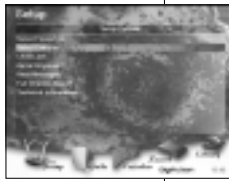
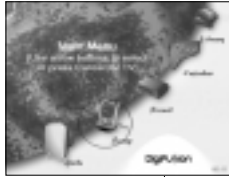
Picture Format

Depending on the format of your TV screen, you may wish to view programmes either in

- 4:3 full screen
- 4:3 letterbox
- 16:9 widescreen

- Press **Menu**, use **▶** to highlight SETUP and press **OK** to enter.
- Scroll down **▼** to 'Select Features' and press **OK**
- Scroll down **▼** to 'PICTURE FORMAT' and use **◀▶** to adjust the setting.

The default setting for picture format is 4:3 full screen.



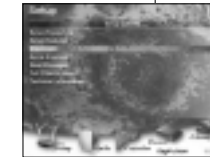
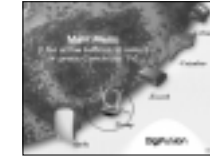
Child Lock

Use the Child Lock to create viewing restrictions on all available channels for a specified time period e.g. from 9PM until 6AM. Once the Child Lock is activated, a Personal Identification Number (PIN) must be entered to view the TV channels.

The default PIN number for the DVR is 1111. You should change the default PIN to an easily memorised 4 digit number of your choice before setting the Child Lock.

- Press **Menu**, use **▶** to highlight 'SETUP' and press **OK** to enter.
- Scroll down **▼** to 'Child Lock' and press **OK**. Enter the default PIN number (1111).
- To change the PIN number, scroll down **▼** to 'Change PIN' and press **OK**
- Enter the new PIN then re-enter the new PIN again to confirm.
- To set the Child Lock select 'Child Lock' and use **◀▶** to adjust the setting to ON.
- To set the start time, use **▼** to highlight 'Start Time' in the Child Lock menu and use **◀▶** to adjust the setting in 15 minute periods.
- To set the end time, use **▼** to highlight 'End Time' and use **◀▶** to adjust the setting.

Once the Child Lock is activated, you will be required to enter the PIN number at the start time to view TV pictures.



Using the DVR

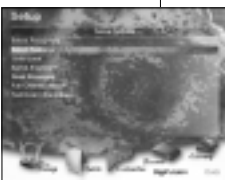
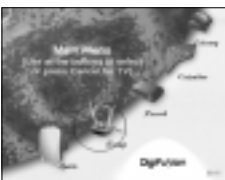
Sleep Timer

Set the DVR to turn itself off. Once set, a warning message will be displayed in the last 30 seconds before the DVR shuts down to allow you to cancel.

- Press **Menu**, use **▶** to highlight 'SETUP' and press **OK** to enter.
- Scroll down **▼** to 'Select Features' and press **OK**
- Scroll down **▼** to 'SLEEP TIMER' and use **◀▶** to adjust the settings in 5 minute periods (up to 2 hours).

To cancel the sleep timer, reset the value to zero.

This timer may also turn off your TV if it is connected to the DVR via SCART



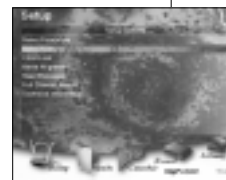
Using the DVR

Interactive Services

Interactive services are currently available on some channels indicated by a red button icon on the broadcast. To enter interactive services, either press Red or Text according to onscreen instructions.

If you do not wish to operate interactive services through your receiver, you can turn this functionality off.

- Press **Menu**, use **▶** to highlight SETUP and press **OK** to enter.
- Scroll down **▼** to 'Select Features' and press **OK**
- Scroll down **▼** to 'INTERACTIVITY' and use **◀▶** to adjust the setting.
- The default setting for interactive services is on.



Scart Configuration

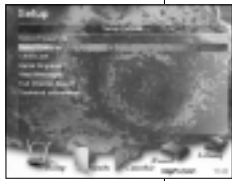
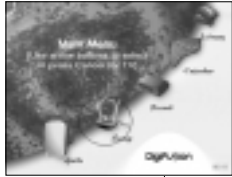
You may need to configure your SCART settings according to your TV and VCR configurations for improved picture quality. The mute and volume control functions do not operate on the VCR/Scart output.

- Press **Menu**, use **▶** to highlight 'Setup' and press **OK** to enter.
- Scroll down using **▼** to 'Select Features' and press **OK**
- Scroll down **▼** to 'TV Scart' and 'VCR Scart' then use **◀▶** to adjust the setting.

Service Updates

You may receive service or software updates from broadcasters or the manufacturer to further enhance the current service.

The receiver will automatically accept software updates when they are released.



Technical Information

Check technical settings and format the hard disk drive

- Press **Menu**, use **▶** to highlight 'Setup' and press **OK** to enter.
- Scroll down using **▼** to 'Technical Features' and press **OK**

Hardware, Software and Bootloader version numbers

If you encounter problems with your DVR, you may be required to provide this information to a service call operator.

Hard Disk Usage

This informs you of the amount of hard disk capacity used on your DVR from storing programmes.

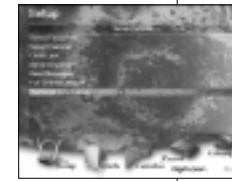
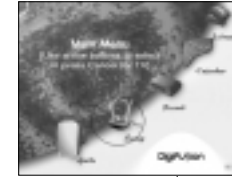
Clear the Hard Disk

To delete all saved programming on your DVR, press **Red** to 'Format Hard Disk', enter your 4 digit PIN and press **Green** to confirm. (see page 31 for PIN details)

Factory Defaults

Restoring Factory Defaults deletes all channel and TV listings but does not delete programmes stored in the Library. You may need to restore Factory Defaults if you move the DVR to a different coverage area.

- Press **Yellow**, enter your PIN and follow the onscreen instructions.



Identifying Faults

Not every picture or sound problem is caused by a defect in your receiver.

Impairment can also be caused by leads having been accidentally pulled out or worn out batteries in the remote control.

If the following measures do not bring about satisfactory results, consult your local electrical retailer or call the Digifusion Customer Helpline on 08702 405005.

Fault	Suggested Remedy
Unit does not respond to the remote control	<ul style="list-style-type: none"> Point the remote directly at the unit Remove all obstacles which may impair the path of the remote control signal Check or replace the remote control batteries
No Picture	<ul style="list-style-type: none"> Check all connections at rear of the unit Check you are in a Freeview coverage area May require aerial upgrade
Distorted Picture	<ul style="list-style-type: none"> Check RF IN (aerial) connection. Ensure cables to TV are inserted correctly. Selected AV channel to TV set Check you are in a Freeview coverage area You may require aerial upgrade
No Sound	<ul style="list-style-type: none"> Check all connections at rear of unit
No Power	<ul style="list-style-type: none"> Check mains plug is inserted correctly and unit is switched on
Live record does not operate	<ul style="list-style-type: none"> Check you have enough free hard disk space available in Library - if not, free up space by deleting old recordings
Library shows 0% free space, but no recordings	<ul style="list-style-type: none"> It is likely the unit is faulty - please call the Customer helpline on 08702 405005
Compression does not operate	<ul style="list-style-type: none"> Check there is enough free hard disk space available to carry out compression in Library
A recording will not add to the Record list	<ul style="list-style-type: none"> Ensure there aren't already two scheduled recordings in the Record list covering the same time. If there are two, a third recording covering the same time cannot be added
All channels can be viewed, but when one channel is time delayed or recorded, no other channels are available	<ul style="list-style-type: none"> It is likely the unit is faulty - please call the Customer helpline on 08702 405005

Fault	Suggested Remedy
A compressed recording appears with slightly 'blocking'	<ul style="list-style-type: none"> This is due to the reduction in quality inherent in the compression process and is normal
Programmes appear to be later than expected	<ul style="list-style-type: none"> The channel may be in time shift mode, press the 'go to live' button (ul) or place unit into standby and back again
A recording has missed the start and end of the programme	<ul style="list-style-type: none"> This may be due to slight differences in programme transmission and Guide data. This is the same as a VCR and the start and stop times can be modified as the recording is placed in the Record list to cater for such instances.
A recording does not appear in the list	<ul style="list-style-type: none"> Check the recording is not off the display by scrolling the list using the up and down cursor keys
A recording repeats when it reaches the end	<ul style="list-style-type: none"> This is normal operation, but may change with future software upgrades

Product Information

This product conforms to:
EMC directive 89/336, amended by 92/31/EEC and 93/68 EEC.
EMC directive 72/73, amended by 93/68 EEC.

This device conforms to the safety regulations DIN EN 60065 (VDE0860) and therefore the international safety regulation IEC 60065.

You are not advised to open the receiver. The manufacturer accepts no liability for damage resulting from improper handling.

Mains Adapter Input : 115 - 240V AC; 50/60Hz

STB Input Voltage: 12Vdc, 2.5A max

Dimensions: 360mm x 47mm x 245mm

Net Product Weight : 2.25kg

Power Consumption : 30W (maximum), 22W Nominal

Ambient Temperature: 5°C to 35°C

Packed Weight : 3.8kg

Video Output : RGB, Composite and S-Video