## DigiFu§ion



Thinking outside the box

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# FRT100

# User Guide

Digirusion

Access all **digital** TV channels available with Freeview

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#### 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. IEC 60065. Mains Adapter Input: 100-240V, 50-60Hz STB Input Voltage: 5Vdc, 3A max Ambient Temperature: 5°C - 35°C Dimensions: 194mm x 59mm Weight: 560gm Net Product Weight: 260gm Gross Weight: 1290gm Power Consumption: approx 15W Video Output: Composite & RGB

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

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

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#### 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	
Receiver does not respond to the remote control	<ul> <li>Point the remote directly at the receiver</li> <li>Remove all obstacles which may impair the path of the remote control signal</li> <li>Check or replace the remote control batteries</li> <li>Switch off at the mains and re-start</li> </ul>	
No Picture	Check all connections at the rear of the receiver	
Distorted Picture	<ul> <li>Check you are in a Freeview coverage area</li> <li>May require aerial upgrade</li> <li>Check RF IN (aerial) connection. Ensure cables to TV are inserted correctly. Selected AV channel to TV set</li> </ul>	
No Sound	Check all connections at rear of receiver	
No Power	Check mains plug is inserted correctly and receiver is switched on	
No TV Listings available or TV Listings are incomplete	<ul> <li>Check channel 704 "4TV Interactive" appears in your channel line-up</li> <li>The receiver needs to be powered on overnight for TV listings to be downloaded</li> </ul>	

#### Introduction

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The Digifusion FRT100 Digital Terrestrial Receiver enables you to receive and view all TV & radio channels and interactive services available through Freeview. These simple, easy to follow instructions will enable you to quickly set up and install the benefits of digital TV\*.

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

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.



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

\*programme listings subject to availability from broadcaster location

#### If you have any product queries, please call the Digifusion Customer Helpline on 08702 405005



**Technical Information** 







At the bottom of the screen, hardware and software version numbers are displayed.

You may be required by a service call operator to check the hardware and software versions in your receiver.

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#### 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. You will be notified of these updates through the message notification feature in the Multi Guide™. When unread messages are available, an envelope icon is displayed on all Guide screens to alert you.

- Press Menu, use > to highlight 'Setup' and press or to enter.
- Scroll down ▼ to 'Read Messages' and press OK
- Most recent messages are displayed first in the list. The check mark indicates whether you have opened the message.
- You can delete messages by following the instructions onscreen.

### Installation and Safety



- cm around the top, sides and rear to assist ventilation.
- like liquid or aerosol cleaners.
- Remove the mains plug from the socket outlet while cleaning.
- 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 and safety are a danger for any electrical appliance. Even when switched off, the receiver 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 lightening strikes.

Never use the receiver 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.

Avoid extremes of temperature, either hot or cold.

Place your receiver well away from heat sources such as radiators or gas/electric fires.

Make sure that no naked flame sources, such as lighted candles, are placed on top of the receiver. If the receiver 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 adapter.

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

If you wish to place the receiver on a shelf or wall unit, always ensure there is a minimum air gap of 8

Clean the receiver using a slightly damp cloth or chamois leather. Never use abrasive cleaning agents

Vour receiver is designed to operate with the mains adapter supplied. Do not connect your receiver to

#### Receiver Overview



#### Using the Receiver



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#### 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 or
- Scroll down  $\nabla$  to 'INTERACTIVITY' and use  $\triangleleft \triangleright$  to adjust the setting.
- The default setting for interactive services is on.



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#### Sleep Timer

This feature sets a countdown timer in minutes until the receiver turns itself off. A warning message is displayed in the last 30 seconds before the receiver shuts down to allow you to cancel. You can also cancel the timer by resetting the value to zero.



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

- Press Menu, use > to highlight 'SETUP' and press or 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 active the sleep timer press 'Sleep' on your remote.





- Switch the receiver in and out of standby
- Switch TV audio on and off (mute)
- **VOL+** Increase audio volume
- VOL- Decrease audio volume
- CH+ Move channel location up
- CH- Move channel location down
- FAV Turn Favourite Channels mode on and off
- 0-9 Numeric keys for input of channel number
- Text Enter/exit digital text services
- Cancel Return to previous menu screen and/or TV channel
- TV/AV Switch between TV and receiver output mode
- SUB Display/cancel subtitles
- **♦**►▲▼/ **OK** Navigate through the Multi Guide<sup>™</sup> and interactive services
  - $\textbf{Colours} \quad \text{Perform functions in Multi Guide}^{\text{\tiny M}}, \text{ digital text and interactive services}$
  - 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
    - Swap Switch between the current channel and the previous one
    - $\label{eq:sleep} {\ensuremath{\mathsf{Sleep}}} \ensuremath{\ensuremath{\mathsf{Sleep}}} \ensurem$

#### Getting Started



Connect your TV aerial cable to the RF IN input on the rear of the receiver.SCART and/or RF leads are connected as in the diagrams as shown above. It is strongly recommended you use the RF lead supplied in the box.

#### Using the Receiver











#### 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 receiver 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 or to enter.
- Scroll down ▼ to 'Child Lock' and press or. Enter the default PIN number (1111).
- To change the PIN number, scroll down  $\nabla$  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.
- 15 minute periods.
- To set the end time, use  $\mathbf{\nabla}$  to highlight 'End Time' and use  $\mathbf{\langle} \mathbf{\rangle}$  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.

■ To set the start time, use ▼ to highlight 'Start Time' in the Child Lock menu and use ◀▶ to adjust the setting in



#### 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 or 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.

#### Getting Started

#### Connecting the Power Cable

Plug the power cord supplied into the DC IN socket on the back of the receiver Insert the power plug into the socket.

#### Caution:

The only way to disconnect the receiver from the mains supply is to remove the plug from the 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 receiver 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 receiver 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 receiver 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 11 for more details.

- - Press or to confirm your aerial is connected to your TV receiver.
  - Please wait while the receiver 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 **ox** to start watching digital TV.
  - To view all digital channels found and stored, press **Guide** on your remote.
  - Use  $\Delta \nabla$  to select a channel and press **(ok)** to watch.

If you don't think your receiver 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  $\nabla$  to select 'Aerial Alignment' and press  $(\mathbf{o}\mathbf{k})$

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.

#### Using the Receiver







#### 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.

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.



■ Highlight 'AUDIO LANGUAGE' and use **↓** to adjust the preferred audio language settings available:



#### Subtitles

- To enable subtitles on a permanent basis, press **SUB** on your remote whilst watching TV.
- To clear subtitles, press SUB again.

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

#### Subtitle Language

Select your preferred subtitle language on a permanent basis

- Press Menu, use b to highlight SETUP and press OK
- Scroll down ▼ to 'Select Features' and press or 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.



#### **Storing Freeview Channels**

Using the Receiver

- Press Menu on the remote, use > to select 'Set Up' and press OK to enter.
- Use ▼ to select 'Full Channel Search' and press or 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.

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

■ Press Guide to view all available channels. Select the required channel using AV keys and press OK to confirm.



#### 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 your to receive weekly TV listings.

Press **Guide** on the remote to display programme listings by channel.



- Use AV to scroll up and down the channel list. Highlight the desired programme and press or 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 **4 •** to change the channel being viewed.

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

#### View Programme Synopses



synopsis appears when a programme is highlighted.



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

#### Using the Receiver





#### Personal Reminders

- Press Calendar on the remote.
- 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.

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

■ Use **Red** and **Green** to select a month and use **< > ▲ v** to select the date you wish for a reminder to be set.

#### **TV Reminders**



### Create TV reminders in the Multi Guide<sup>™</sup> 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 or 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.



#### Advanced TV Listings

Using the Receiver

#### 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 receiver in standby mode every night.

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 or your remote whilst viewing a TV channel.
- Use **↓** to view programme listings by channel.
- $\blacksquare$  Use  $\blacktriangle \forall$  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 or again or Cancel.

■ Choose the date you wish to view programme listings by using **< >** and press **ox**. Full programme listings for



#### **Favourite Channels**

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

- Press Menu on your remote, select 'Set Up' using > and press OK to enter.
- Use  $\checkmark$  to highlight 'Select Favourites' and press **OK**
- To select a favourite channel, use AV 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 or 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 FAV on your remote 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 FAV again.

#### Using the Receiver







#### **Reorder Channels**

- 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  $\Delta \nabla$ .
- 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.

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



Press Blue on your remote to select the channel and then continue using the cursor keys to move it to the