

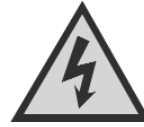


SRT 5000

Digital Terrestrial Television Receiver

INSTRUCTION MANUAL





This symbol is intended to alert the user to the presence of insulated 'dangerous voltage' within the products enclosure that may be of sufficient magnitude to constitute a risk of electric shock



This symbol is intended to alert the user to the presence of important operating and maintenance instructions accompanying this product.

Important Safety Instructions

- Connection can only be with Mains supply 240V AC.
- All safety and operating instructions should be read before the product is operated.
- All warnings on the product and in the operating instructions should be adhered to.
- Earthing: The antenna cable must be earthed.
- Do not use attachments not recommended by the product manufacturer as they may cause hazards or damage to the equipment.
- Do not overload adaptors , wall sockets , extension cables as these can result in fire or electrical shock.
- For cleaning, use only a dry cloth (lightly dampened) Do not use liquid cleaners or aerosol cleaning products.
- Servicing can only be preformed by qualified Service Personnel.
- Do not place this product in unstable position.

Contents

4	Overview
4	Main Features
5	Control Functions – Front Panel
6	Rear Panel Connections
7	Navigating the On Screen Menu – The Important Buttons
8	Remote Control Functions
9	Remote Control – Battery Replacement
10 & 11	Connection Examples
12 & 13	How to Connect
14 & 15	Power ON & Automatic Scan
16 & 17	Selecting the Correct A/V Mode
18	Dolby Digital Audio
19	Time Setting – Automatic
19	Time Setting - Manual Input
20 & 21	Checking Your Aerial Signal – Level & Quality
22	Connector 1 – TV Loop Out
22	VCR AUX Scart
23	Selecting and Changing Channels
23	Quick Return to Last Channel Watched – RCL Button
23	Volume Control
23	Volume Mute
23	Picture Pause
23	TV or Radio Selection
24	EPG Button
25	Setting Aspect Ratio – Menu & Hot Key Selection
26	Captions
26	Teletext
27	Favourite Channel Listing
28	Deleting Channels from Favourites
28	Renaming the 4 Default Favourite Headings
29 & 30	Service Set Up – Delete channels / Lock Channels / Rename Channels
31	Program List and Order - Browse Button
31	Language Setting
32	Event Timer
33	Sleep Timer
34	Selecting New Password
35	Colour Set Up
36	Manual Scan
37	Factory Reset
38	Information Menu
39	Troubleshooting
40	Specifications

Overview

Thank you for purchasing the Strong Digital Terrestrial Television Receiver.

This product has been manufactured in accordance with strict Quality Control Procedures and is fully compliant to Australian Specifications.

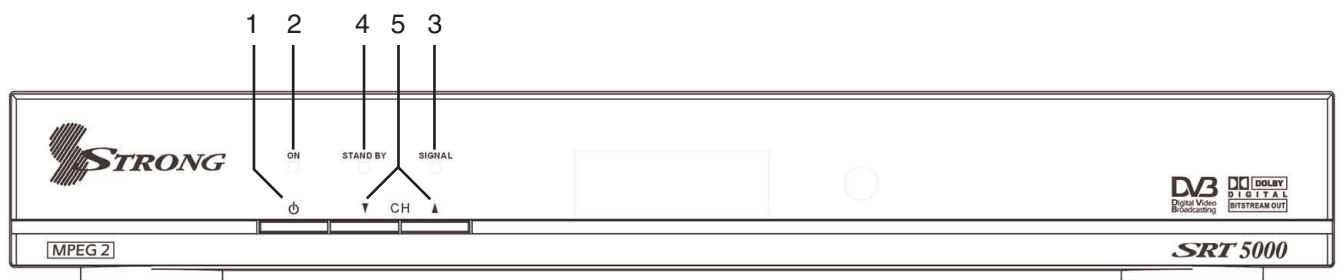
Your new receiver will enable you to experience superior picture and sound quality, widescreen images, extra channels plus a variety of new features.

Main Features

- Dolby Digital: SPDIF Coaxial
- SCART: RGB, CVBS
- Super Video Output: 4 Pin Mini Din
- RCA/Cinch - CVBS
- 16:9 Full screen, 4:3 Letterbox & Full screen
- Auto & Manual Search Mode
- Favourite Channel List Editing
- Fully Adjustable MENU Interface, with Picture in Menu
- EPG - Electronic Program Guide
- Full Function Infra Red Remote Control
- Full Front Face Display
- Captions & Teletext (Does NOT require Teletext capable TV)
- Signal / Quality Level Indicator
- Time Clock Setting
- 6 Timer Event Settings
- Sleep Timer
- Password Change Option - Parental Lock
- RS232 Port for Software Upgrade
- DVB/T Compliant
- COFDM Demodulation
- Dimensions: W 280mm / H 40mm / D 170mm (case) / 185mm (to end of connectors)

Control Functions

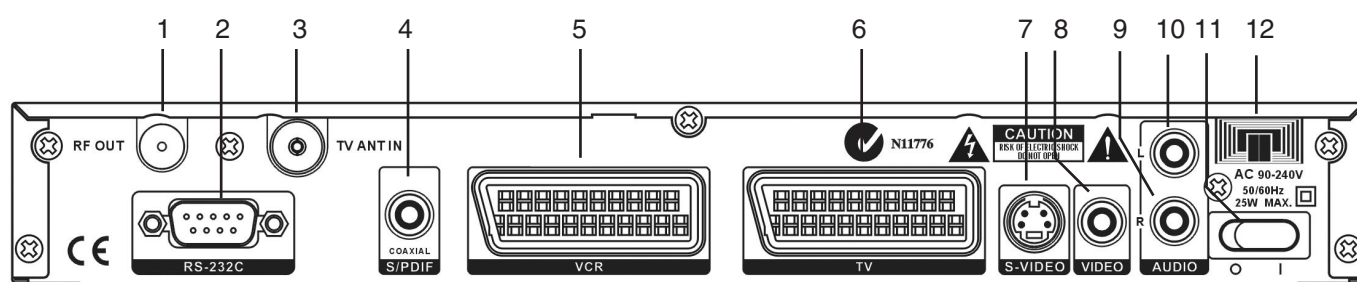
Front Panel



1. Power and Standby Mode Button
To switch the Receiver On/OFF and to switch to 'Standby' Mode.
2. ON Indicator
3. Signal Received indicator
4. Standby indicator
5. Channel UP/DOWN selector buttons

Connections

Back Panel



	Name	Connector	Function
1	RF OUT To TV Loop Out	IEC 169-2 male	Aerial Signal Pass Through
2	RS-232C	DB-9	Serial Port
3	TV ANT IN Aerial	IEC 169-2 female	Input from Antenna to Receiver
4	Coaxial SPDIF	RCA cinch	Digital Audio Output
5	VCR Scart	Scart	Output to VCR
6	TV Scart	Scart	Output to TV
7	S-Video Y/C	4 Pin Mini Din	S-Video Output
8	Video (Yellow)	RCA cinch	CVBS (Composite) Output
9	Audio R (Red)	RCA cinch	Right Audio Output
10	Audio L (White)	RCA cinch	Left Audio Output
11	O/I	Switch	Power
12	240V	Input	Mains Power

On Screen Menu

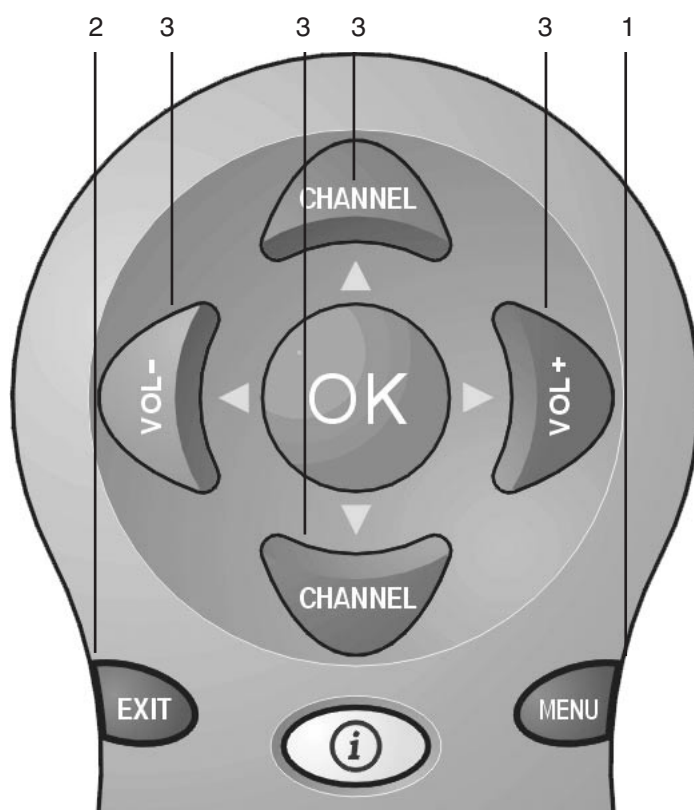
The Important Buttons

Within this Instruction Manual will be References to various Buttons on the Remote Control to access various menus.

These important Buttons are:

1. MENU
To Access the Main Menu
2. EXIT
To move back to previous Menu and Exit Menu
3. SCROLL LEFT Button / SCROLL RIGHT Button / SCROLL UP Button/ SCROLL DOWN Button
To access, highlight and select each topic and mode, within each menu.

The colour buttons provide quick access through the menu system.



Remote Control Functions

1. POWER-STANDBY ON/OFF - Switches the Receiver in or out of Standby Mode

2. SUB - To select Captions Subtitles (when broadcast)

3. TEXT - Enables / Disables Teletext.

4. TV/RAD - Switches between TV and Radio mode

5. BROWSE - Displays the list of programs in memory.

6. MUTE - Sound ON / OFF

7. RCL- Recall Button - Switch between current and previous program

8. CHANNEL - Navigating within the On Screen Display Menus (OSD) or stepping through the channels

9. OK - To confirm actions in the menu systems.

10. VOL+ & VOL - Navigating within the OSD Menus (left / right) or for adjusting the volume.

11. MENU - The main menu for setting up the receiver.

12. EXIT - Exits the current On Screen Display page.

13. I INFORMATION - Shows program information

14. AV - Selects TV or Digital TV by changing the status of Pin 8 in the Scart connector

15. EPG-Program Information - Display the EPG (Electronic Program Guide)

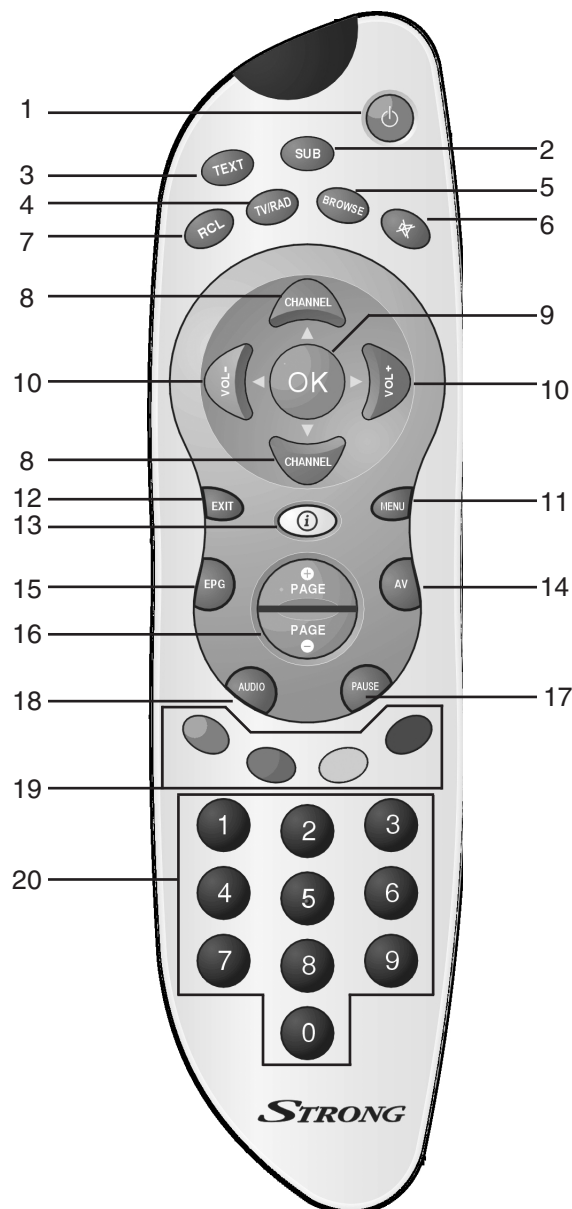
16. PAGE+ & PAGE- for Aspect Ratio - Change the aspect ratio to your preference: 4:3, 16:9

17. PAUSE - Pauses the picture.

18. AUDIO - Displays all available audio channels

19. FUNCTION - The four coloured buttons are used for functions in the menus.

20. 0 - 9 NUMERIC - Direct entry of numerical functions for menus or channel selection



Remote Control

Battery Replacement

How to insert Battery

- Open the cover at the top of the rear side of the remote control.
- Insert Two AAA type batteries (1.5V) to be aligned with appropriate +/- polarity.

Accident prevention

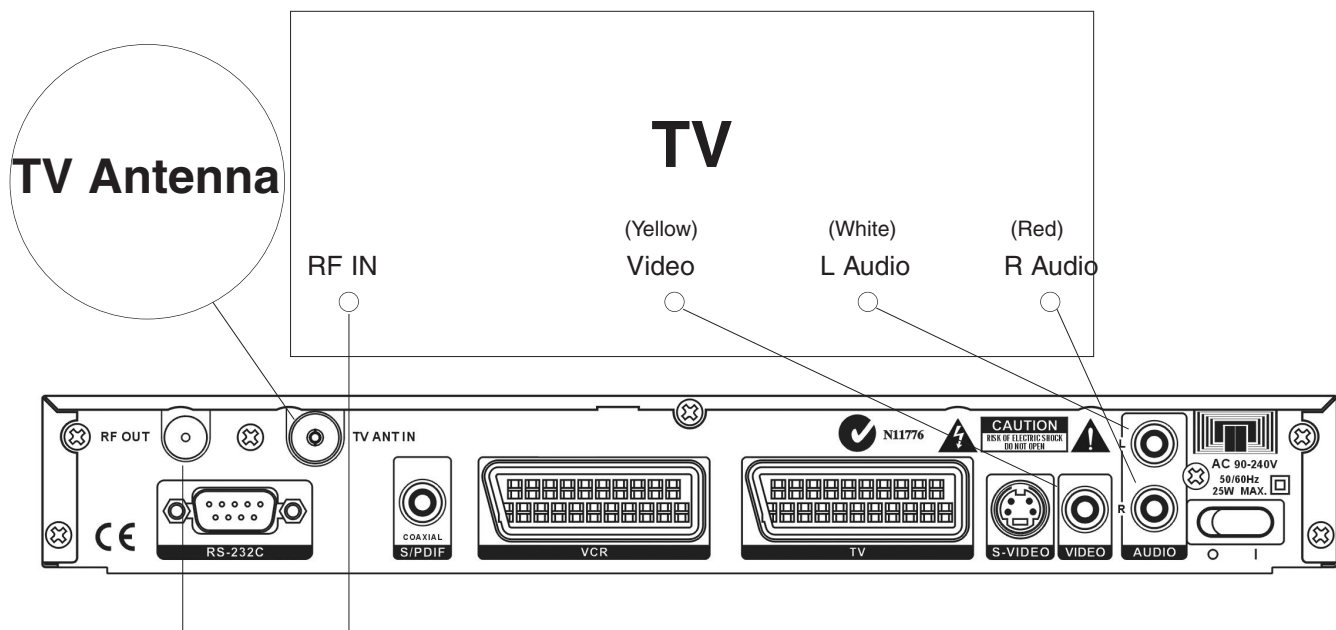
- Do not recharge heat or disassemble the battery.
- Do not cross +/- polarities.
- If Remote control is not going to be used for long periods, remove the batteries.

Range of operation

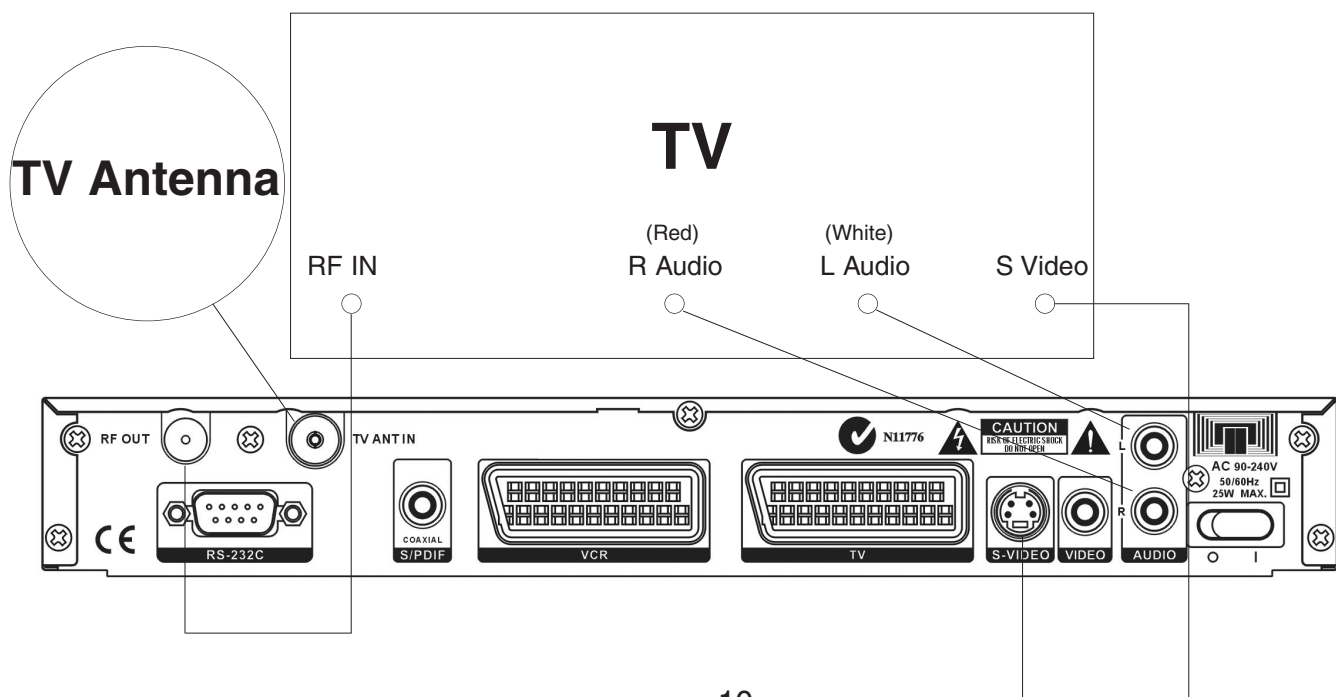
- The remote control can be detected by the receiver within an angle of 30 degrees to the left or right.
- The transmission distance of the remote control is 7m in direct line of sight.
- If remote control is not operating correctly, replace batteries
- Disturbances from peripheral devices might occur. Ensure that other product which might cause interference are placed further away from the receiver.

Connection Examples

A. CVBS (Composite) via the supplied RCA Lead

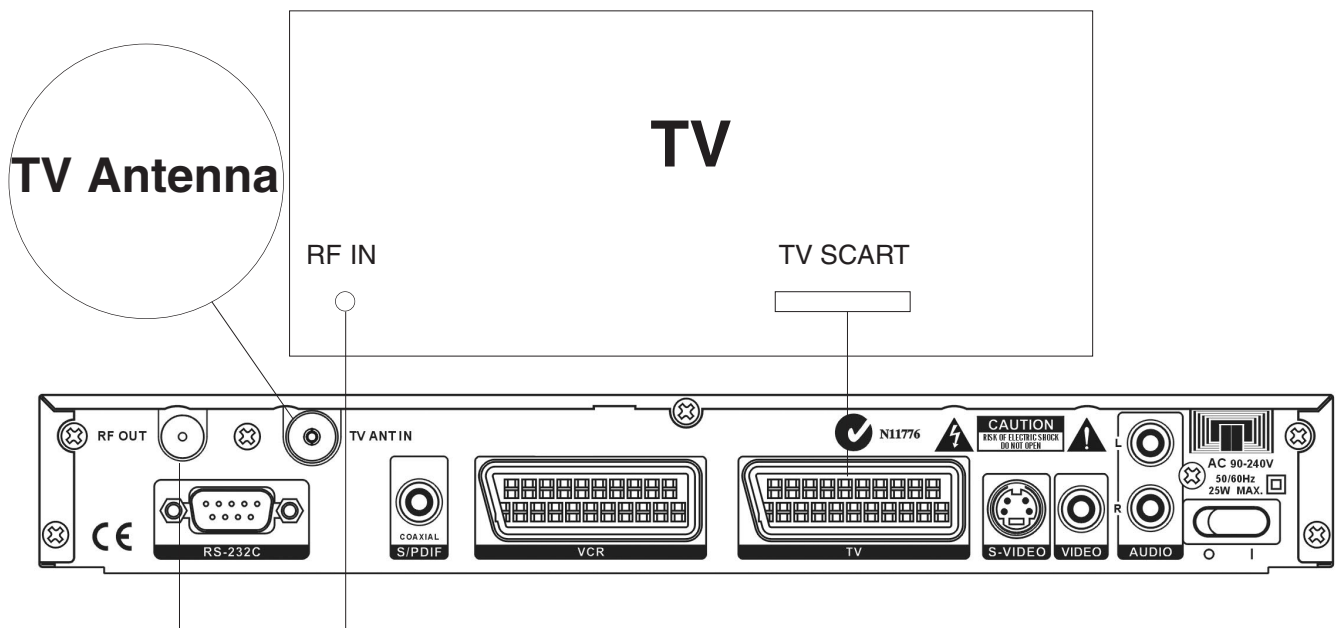


B. Separate S-Video (Y/C) Connector

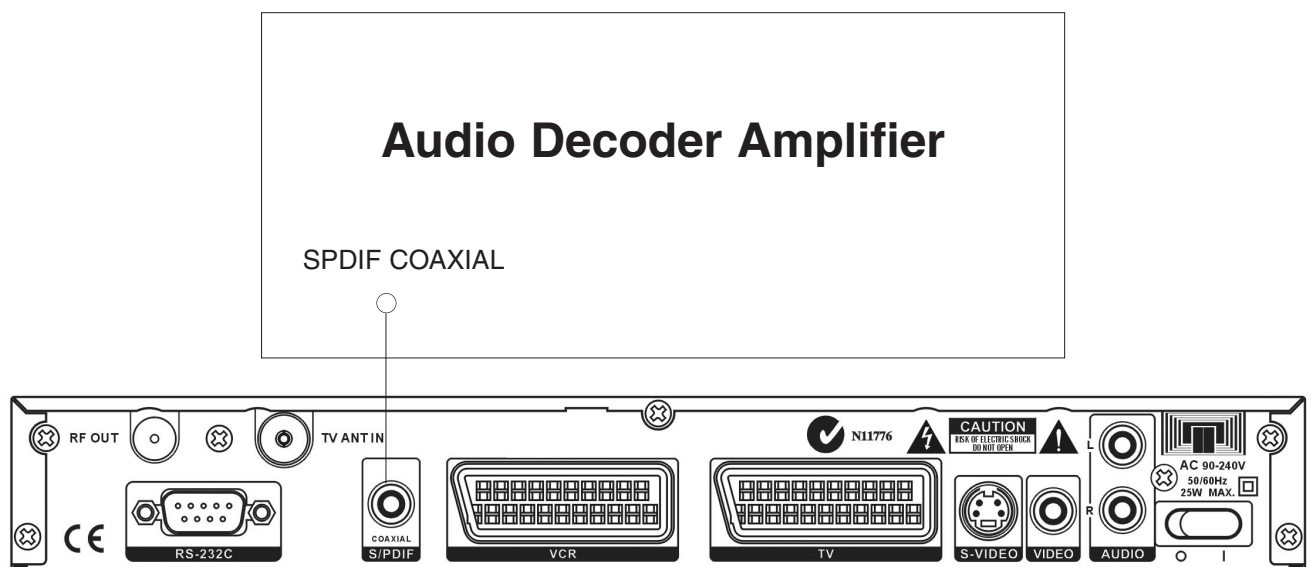


Connection Examples

C. SCART Connection for RGB or CVBS (Composite)



SPDIF Coaxial Connection for Dolby Digital



How to Connect

For connection of the SRT 5000 there are number of alternatives depending what is your preference and the connection types on your TV.

Please connect by either of the following methods A. B. C. (D. is mandatory for antenna connection)

IMPORTANT: Refer to Page 3 of the Instruction Manual for the Connector Reference Numbers listed below.

A. CVBS (Composite) via the supplied RCA Lead

You can connect to your TV with the supplied RCA cable to give you Video and Audio. This will give you CVBS (Composite Video & MPEG-2 Stereo for Audio)

Connector 8
VIDEO (Yellow)
RCA cinch Composite video output

Connector 9
AUDIO Right (Red)
RCA cinch Right audio output

Connector 10
AUDIO Left (White)
RCA cinch Left audio output

B. Separate S-Video (Y/C) Connector

If your TV includes a 4 Pin Mini Din S-Video connector, you may choose to connect in this way.

Connector 7 SVHS S-Video
S-Video connector (connector 7) on the rear panel and unit can be connected to the TV this way. (You will need to purchase S-Video Lead separately)

Important: Using this separate S-Video (Y/C) for your Video connection, you will need to make connections for Audio.

For Audio, this can be done by using the supplied RCA cable by connecting to Connector 9 for Right Audio (RCA Red) and Connector 10 for Left Audio (RCA White), and then connect to appropriate RCA audio connectors of your TV.

These Left (white) & Right (Red) RCA Audio connections will provide MPEG-2 Stereo.

If you require Dolby Digital Audio Output (through you're Dolby Digital Decoder Amplifier) please refer to Note: DOLBY DIGITAL AUDIO.

How to Connect

C. SCART Connection for: RGB or CVBS (Composite)

If your TV includes a 21 Pin Scart Connector, you may choose to connect in this way and select your choice of RGB or CVBS (Composite).

(You will need to Purchase Scart Lead separately)

(Connector 6)

TV SCART

SCART

21 pin Scart output to TV:

2 video signals to choose from:

RGB

CVBS (composite)

Also, by using Scart Output, Audio MPEG-2 is included

If you require Dolby Digital Audio Output (through your Dolby Digital Decoder Amplifier), please refer to Note DOLBY DIGITAL AUDIO.

D. Connecting the Antenna

Connect TV Antenna to Connector 3 (Aerial)

Connector 3 Aerial IEC 169-2 female Input from Antenna to Receiver

Video Mode of your TV

Having made the above connections to suit your requirements: The next step is to make certain you have selected a Video Mode on your Television from your TV Remote Control

Your Receiver is now ready to be operational

Video Mode of your TV

Having made the above connections to suit your requirements: The next step is to make certain you have selected a Video Mode on your Television from your TV Remote Control

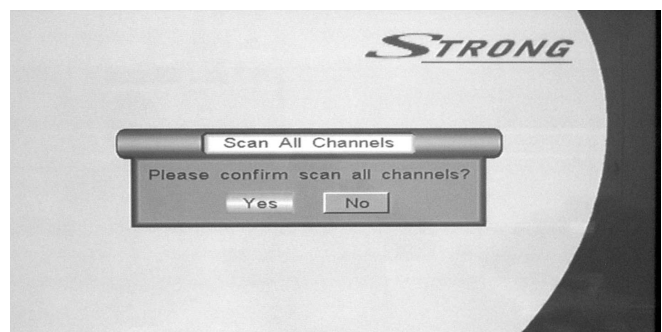
Your Receiver is now ready to be operational

Power On & Auto Scan

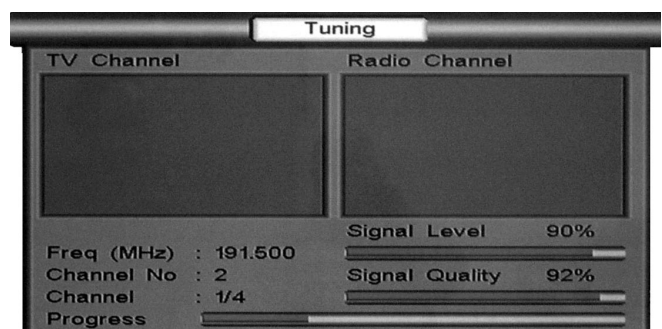
- On the rear panel, select the 1 position of the 0/1 switch and RED standby light will be viewed on the Display, including 4 horizontal lines.
- Push the RED Power Button on the remote control and a Welcome Banner will appear listing 4 topics.



- On the remote control, push the Green button for Scan All Channels.
- Scan All Channels banner will appear prompting Yes / NO

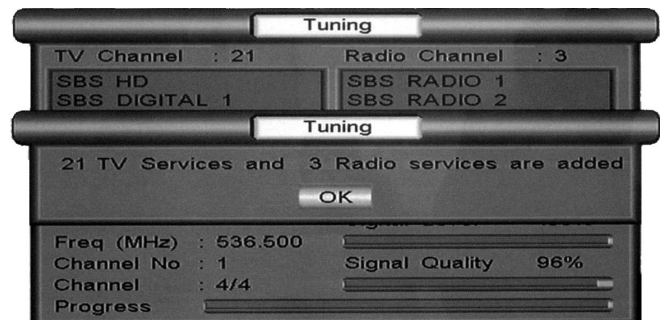


- Using R & L Scroll buttons, select YES, which will then be highlighted
- Push OK button on the Remote Control and Unit will now begin to scan and lock in all available frequencies in your area. This will take approximately one minute.



Power On & Auto Scan

- Once Scan has been completed, Tuning Banner will state OK.



- Push OK and Welcome Banner will be viewed overlaying the broadcast picture.



- Push EXIT button and full broadcast picture will be viewed.

The Correct A/V Mode

Assure the correct A/V mode has been selected in the Menu.

- Push the MENU Button, and Welcome Banner will appear.
- Push the BLUE Button for Main Menu.
- Banner at the top of the TV screen will be viewed listing: Installation / Set Up / Information.



- Scroll to & select Set Up by pushing OK Button and 4 topics will appear.

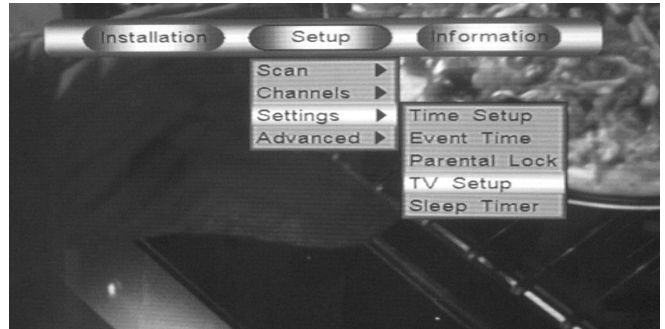


- Scroll down to Setting & push OK, and 5 topics will be viewed.

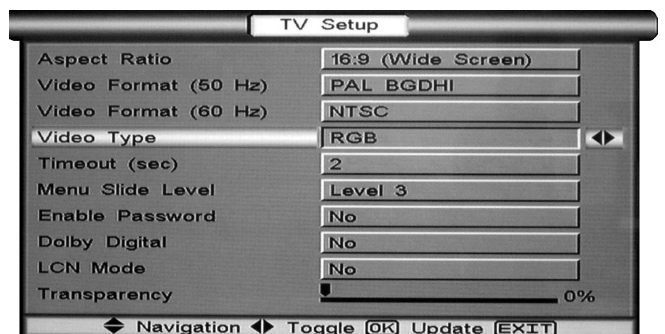


The Correct A/V Mode

- Scroll down to TV Set up & Push OK.



- Scroll down to Video Type and using either Left or Right scroll button, select your preferred Video Mode; I.e. RGB or Composite (CVBS)



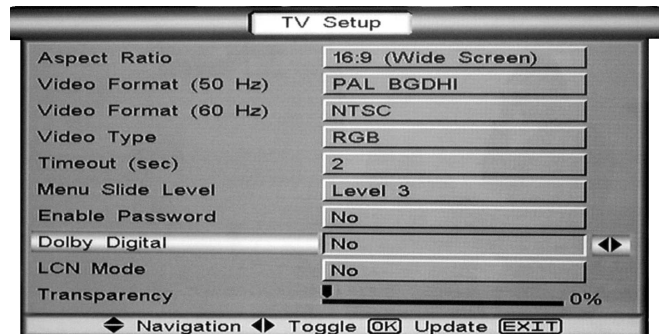
- Push OK and banner will indicated 'Success'
- Push EXIT 3 times to return to normal TV broadcast.

Dolby Digital Audio

If you have a Dolby Digital Decoder Amplifier, you can connect to the amplifier by Coaxial Cable (purchased separately). This connection will provide for Dolby Digital Output when broadcast.

Connector 4 is the Digital audio output.

To 'Enable' Dolby Digital to be heard when transmitted within the broadcast stream, you will need to select Dolby Digital in the TV Set Up Menu, followed by selection of the Audio Button on the remote control.



- Push the MENU Button, and Welcome Banner will appear.
- Push the BLUE Button for Main Menu.
- Banner at the top of the TV screen will be viewed listing: Installation / Set Up / Information.
- Scroll to & select Set Up by pushing OK Button and 4 topics will appear.
- Scroll down to Setting & push OK, and 5 topics will be viewed.
- Scroll down to TV Set Up & Push OK.
- TV Set up banner will appear listing 10 topics.
- Scroll down to Audio and select Dolby Digital.

- Scroll down and select Dolby Symbol and Push OK.
- Push OK.
- Push Exit 3 times to return to normal TV broadcast.

IMPORTANT: If broadcaster is not transmitting in Dolby Digital at that time, you will not be able to view or select the Dolby symbol in the menu

Time Setting

Automatic Input

The Factory Default Timer Setting is AUTO and therefore time is automatically adjusted totally in line with the "Time Print" information in each broadcasters signal.

Also, Factory Default for daylight saving time (Summer Time) is in the OFF position.

Although, the preferred option is to leave timer setting in the factory default Auto mode, you can choose to adjust manually.

Manual Input

- Push the MENU Button, and Welcome Banner will appear.
- Push the BLUE Button for Main Menu.
- Banner at the top of the TV screen will be viewed listing: Installation / Set Up / Information.
- Scroll to & select Set Up by pushing OK Button and 4 topics will appear.
- Scroll down to Setting & push OK, and 5 topics will be viewed.
- Scroll down to Timer Set Up & Push OK.
- Timer Set Up banner will appear, with setting in the default Auto mode,



- Using either Left or Right scroll button, select Manual Mode
- Scroll Down to Date and Time and using Right Scroll button input date and time via your selection on numbers buttons on the remote control.
- Push OK to confirm
- Push EXIT 3 times to return to normal TV broadcast.

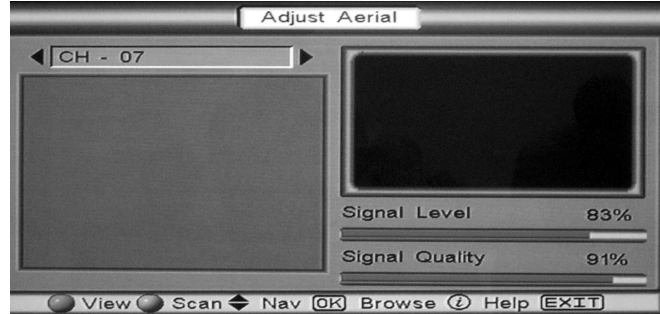
Checking your Aerial Signal

To check existing levels

To assure that you can receive adequate picture quality for digital transmissions, it is very important to check that you have enough Signal Level and Quality (signal to noise ratio) through your antenna system.

Level: Ideal is 100 % Quality: Ideal is 100%
Minimum is 50% Minimum is 50%

- Push the MENU Button, and Welcome Banner will appear.
- Push the BLUE Button for Main Menu.
- Banner at the top of the TV screen will be viewed listing: Installation / Set Up / Information.
- Scroll to Installation and push OK. Select Aerial Banner and Push Ok
- Select Adjust Aerial banner and push OK.
- Adjust Aerial banner will be viewed.



Checking your Aerial Signal

- Push Red (View) button and channels will be displayed with signal and quality level %
- Push Yellow (Channel) button to highlight channel section at top of banner.
- Use left and Right scroll buttons to change channels. When % indicators are indicated, push Red (View) button to list the channels.
- Push Exit 4 times to return to normal TV broadcast.



Adjusting aerial for optimum signal

There may be circumstances where signal strength may not be adequate to receive consistent Digital Reception. In this circumstance, re adjusting your antenna may assist.

As you alter the position of your antenna, you will be able to view the resultant signal strength change.

All of these connections and procedures completes the Installation; however there are other connections that can be made

Connector 1 - TV Loop Out

For Aerial Signal Pass through to your TV or VCR/DVD

This is the signal coming from your antenna and passing through the SRT 5000

This can be used for a variety of purposes as per items A and B as follows.

A. With a separately purchased RF Lead, you can connect from this connector to your TV antenna IN.

This enables you to switch back to normal analogue viewing. I.e. you would switch back to normal TV analogue mode by pressing the TV Mode button on your TV Remote Control.

B. You can choose to connect RF from this connector to your VCR (separately purchased Lead) which will enable you to watch a normal Digital Broadcast Channel through the SRT 5000 and at the same time you can record a different broadcast channel into the VCR.

Therefore, as you are watching your digital channel through the SRT 5000 you would select a channel via your VCR Remote Control and press Record Button on your VCR.

E.g. you may be watching the Digital transmission of CH 7 through the SRT 5000 as normal and recording CH 9 RF analogue through your attached VCR.

VCR AUX Scart (CVBS Composite) for Video Out

On the rear panel there is a Second Scart called VCR Scart (Connector 5)

(Requires separately purchased Scart Lead for connection to VCR or DVD)

This will enable you to RECORD to your attached video devices

Push Record on your VCR / DVD Remote Control.

Selecting and Changing Channels

There are 2 methods to select and change channels

- Press the required Numeric Button on the Remote Control.

Please Note: SRT5000 has default
LCN – Logical Channel System

- 1 = Ten Network & Affiliates
- 2 = ABC
- 3 = SBS
- 7 = Seven Network & Affiliates
- 9 = Nine Network & Affiliates

- Select and change channels by using the Up/Down channel buttons.

Quick Return to Last Channel Watched (RCL Button)

Pushing the RCL (Blue) Button on the remote control returns you to the last channel that you were watching.

Volume Control

To adjust Volume UP and DOWN,
press the following buttons on the remote control:

Volume Increase: VOL Button +
Volume Decrease: VOL Button -

Important: The Volume Level is dependant on the volume level that you firstly set within your TV I.e. via your TV remote control volume setting.

Volume Mute

Press Mute button on the remote control
Press Mute button again to reactivate sound.

Picture Pause

To pause the picture, push Pause button on the remote control.

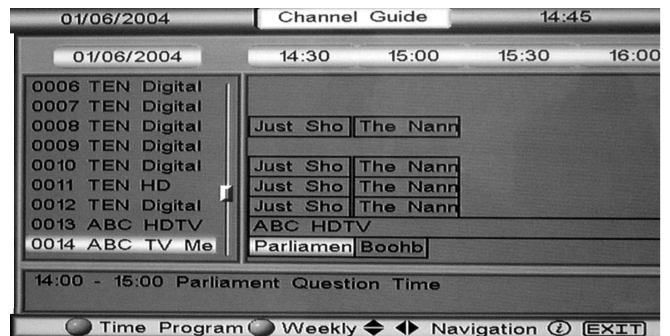
TV or Radio Selection

To switch between TV and Radio, press the TV/RAD Button.

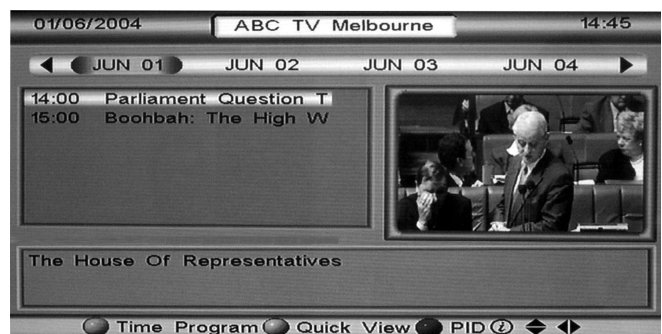
EPG Button

The Electronic Program Guide is a function within each broadcaster's digital stream. When broadcast, current and upcoming program information will be displayed.

- Push the EPG button on the remote control & Channel Guide banner will be viewed.



- Push the Green (Quick View) button to view broadcast information.

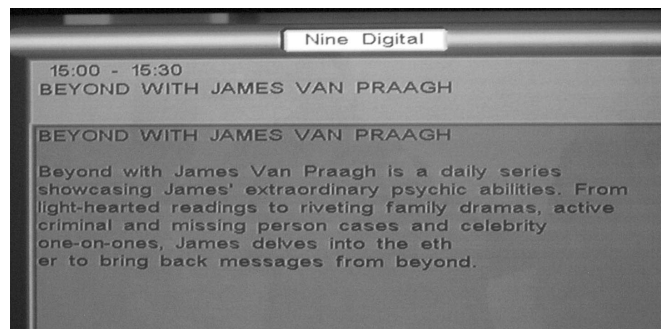


- Push INFO Button (White Button in Middle of Remote Control) and Extended Program Information will be viewed.

Note: Extended program Information can be viewed any time. When watching normal TV broadcast, Push INFO button to view.

With the Channel Guide Banner Open, you can also choose to input Event Time to allow the event number, program, time, date and duration for VCR Recording to be set.

- Push the Red (Time Program) button and follow the instruction detailed under Event Timer within this instruction manual.

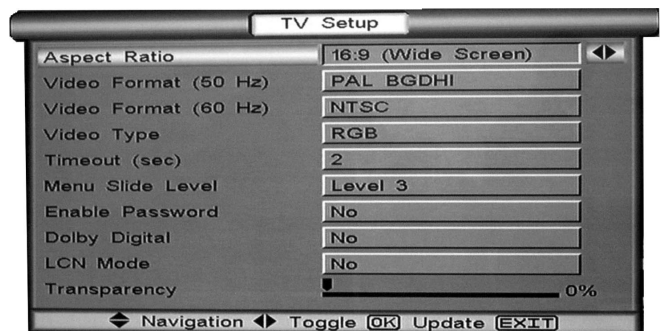


Setting Aspect Ratio

There are 2 methods to Set and Switch between your preferred Aspect Ratio:
I.e. 4:3 Letterbox / 4:3 Full Screen / 16:9 Full Screen.

Menu Setting for Aspect Ratio

- Push the MENU Button, and Welcome Banner will appear.
- Push the BLUE Button for Main Menu.
- Banner at the top of the TV screen will be viewed listing: Installation / Set Up / Information.
- Scroll to & select Set Up by pushing OK Button and 4 topics will appear.
- Scroll down to Setting & push OK, and 5 topics will be viewed.
- Scroll down to TV Set up & Push OK.
- TV Set Up banner will appear listing 10 topics.
- Scroll down to Aspect Ratio and using either Left or Right scroll button, select your preferred mode i.e 4:3, 4:3 Letterbox, 16:9 Wide Screen.
- Push OK and banner will indicate 'Success'
- Push EXIT 3 times to return to normal TV broadcast.



Hot Key Buttons for Aspect Ratio Change

Whilst viewing a broadcast program, you can change the aspect ratio to your preference via the remote control by pushing either the + Page Button or the – Page Button.

Captions ON/OFF

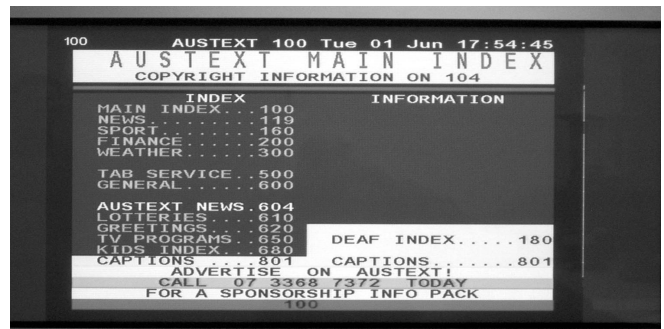
IMPORTANT: Is dependant on when transmitted by broadcast stream

- To view Captions, Press SUB Button
- To turn Captions OFF, push Exit.



Teletext

- To view teletext, select a Channel 7 broadcast station.
- Press TEXT Button.
- To select your preferred Teletext topics, enter the topic number via the numeric buttons the remote control.
- To turn Teletext OFF and return to normal viewing, push EXIT button.



Favourite Channel Listing

Channels are automatically scanned and stored in Broadcast Frequency Order which is normally ideal.

However if required, you can also group Favourite Channels together by subject, content or other heading.

There are 4 default headings provided; they can be renamed.

The default names are: Music / Film / News / Sport

- Push the MENU Button, and Welcome Banner will appear.
- Push the BLUE Button for Main Menu.
- Banner at the top of the TV screen will be viewed listing: Installation / Set Up / Information.
- Scroll to & select Set Up by pushing OK Button and 4 topics will appear.
- Scroll Down and select Channels & push OK
- Select Favourite Set Up & push OK
- Favourite Banner will appear, listing the 4 default headings as above.

Using the coloured buttons to coincide with each Heading, you can lock in your selected favourite channel/s: i.e. Orange Button = Music / Green Button = Film / Yellow Button = News / Blue Button = Sport

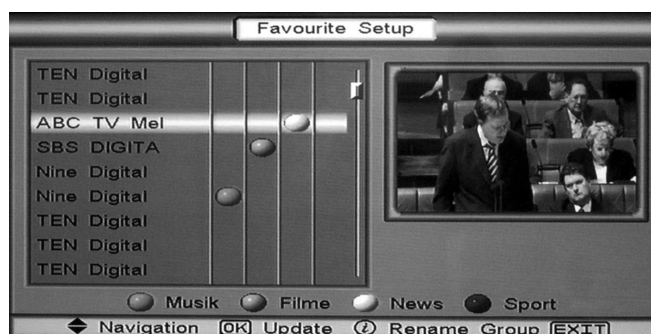
Select your channel on the left of the banner and push the appropriate colour button.

As you make each selection an Icon will be listed beside each channel in accordance to your selection.

Once you have completed your input, push OK and success banner will be viewed.

Push Exit 3 times to return to normal TV broadcast.

As you are viewing your normal TV broadcasts; to access each of your Favourite's Channels, push the appropriate Colour button.



Deleting Channels from Favourites

If you want to delete channels from your Favourites Listing, with the *Favourite Banner open, push the selected Colour button and Icon will be removed, thus deleting that channel from your Favourites List.

Push Exit 4 times to return to normal TV broadcast.

Renaming the 4 Default Favourites Headings

You can choose to change the name of the default headings.

- Have the *Favourite Banner open.
- Push the Information Button (White button near the centre of the Remote Control)
- Rename Banner will now be viewed.
- With the Channel Favourite selected verified by the ICON, input your new heading via the numeric buttons on the remote control.
- Push OK to confirm.
- Push Exit 4 times to return to normal TV broadcast.



Service Set Up

Arrange All Channels

- Push the MENU Button, and Welcome Banner will appear.
- Push the BLUE Button for Main Menu.

To Delete a Channel

- Push Yellow (Arrange Channel) button on the remote control and Service Set Up banner will appear.



- With channel highlighted, Push Red (Delete) button and an x Icon will appear beside the selected channel.
- Push OK and channel will be deleted



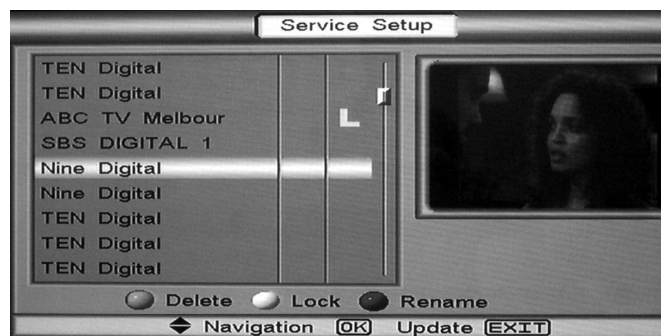
Service Set Up

To Lock a Channel

- This will then require the password to be input to Access that Channel.
- With Channel Highlighted, Push Yellow (Lock) button and L icon will appear beside the selected channel.
- Push OK to confirm

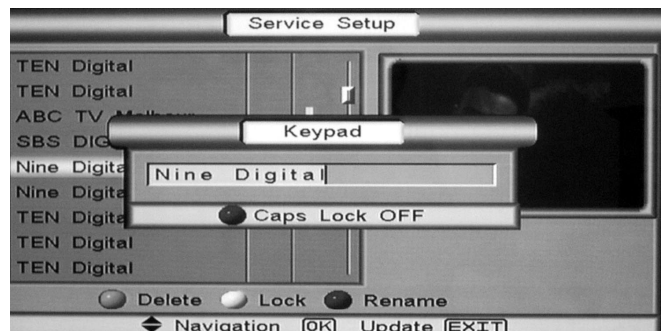
Once you have placed a channel in Lock mode; as you are watching normal TV broadcasts, when you select that channel, you will be prompted to input password.

Once password has been entered, channel broadcast will be viewed.



To Rename a Channel

- With channel selected, Push Blue (Rename) button and Key Pad Banner will be viewed.
- Enter your preferred channel name via the remote control numeric buttons.
- Push OK to confirm.



Program List & List Order

Via Browse

- Push the Browse Button on the remote control to overview all of your stored channels.

In view will be a Browse Banner.

Each channel will be listed together with a small picture of the broadcast.

Scroll Up/Down Buttons will move you through the list.
Push OK to view the broadcast or push Exit to return to normal TV broadcast.

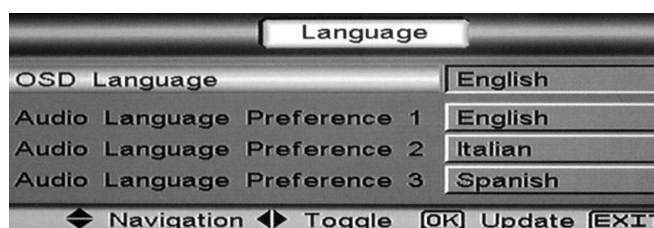
- With the Browse Banner open, push the Green button to list your channels either A-Z or Z-A



Language Setting

The default setting is English however you can choose to change to another language for Menu language description

- Push the MENU Button, and Welcome Banner will appear.
- Push the BLUE Button for Main Menu.
- Banner at the top of the TV screen will be viewed listing: Installation / Set Up / Information.
- Scroll to & select Installation by pushing OK Button and 2 topics will appear.
- Scroll down to and select Language.
- Language banner will appear.
- Scroll down to select your preferred language mode.
- Push OK to confirm.
- Push Exit 3 times to return to normal TV broadcast.



Event Timer

This allows for 6 timer entries.

This menu allows the event number, program, time, date and duration for VCR Recording to be set.

IMPORTANT: Can only function when your VCR / DVD has been programmed to coincide with each event accordingly.

- Push the MENU Button, and Welcome Banner will appear.
- Push the BLUE Button for Main Menu.
- Banner at the top of the TV screen will be viewed listing: Installation / Set Up / Information.
- Scroll to & select Set Up by pushing OK Button and 4 topics will appear.
- Scroll down to Setting & push OK, and 5 topics will be viewed.
- Scroll down to Timer Event & Push OK.
- Event Timer banner will appear.

Event Time	
Timer ID	1
Service	Nine Digital
Time Mode	Off
Date	01/06/2004
Event Start Time	14:57
Duration	00:00
◆ Navigation ◀ Toggle [OK] Update [EXIT]	

Time ID: Select your Event Number, i.e. 1 to 6
 Service: Select the Channel Number
 Time Mode: Select your recording option, Off / Once / Daily / Weekly
 Date: Enter the date of the recording
 Event: Enter the Start Time of the Recording
 Duration: Enter the Length of the Recording

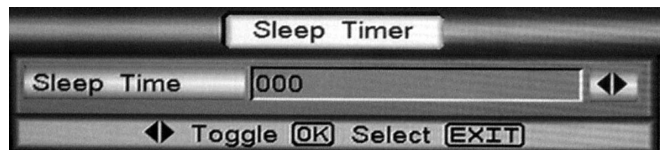
Once these details have been entered Push OK and Success banner will appear.

- Push Exit 4 times to return to normal TV broadcast.

Sleep Timer

This menu allows you to enable an Automatic Power OFF after a designated period

- Push the MENU Button, and Welcome Banner will appear.
- Push the BLUE Button for Main Menu.
- Banner at the top of the TV screen will be viewed listing: Installation / Set Up / Information.
- Scroll to & select Set Up by pushing OK Button and 4 topics will appear.
- Scroll down to Setting & push OK, and 5 topics will be viewed.
- Scroll down to Sleep Timer & Push OK.
- Sleep Timer banner will appear.
- Using Left and Right Scroll buttons, press to select desired Time Off – Up to maximum of 120 minutes.
- Push Ok to confirm
- Push Exit 3 times to return to normal TV broadcast



Selecting New Password

Although the default 4 digit password is 0000, you can set your own password if preferred.

- Push the MENU Button, and Welcome Banner will appear.
- Push the BLUE Button for Main Menu.
- Banner at the top of the TV screen will be viewed listing: Installation / Set Up / Information.
- Scroll to & select Set Up by pushing OK Button and 4 topics will appear.
- Scroll down to Setting & push OK, and 5 topics will be viewed.
- Scroll down to New Password & Push OK.
- New Password banner will appear.
- Enter the Current Password (Factory Default is 0000)
- Enter new password. Input by your selection by numeric buttons on the remote control.
- Enter password again to confirm
- Banner will confirm Success
- Push EXIT 3 times to return to normal TV broadcast.

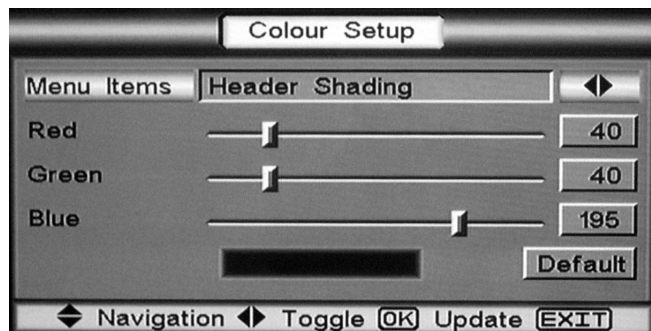
Colour Set Up

In the Advanced Menu you can set up the colour appearance of each On Screen Display Menu:

Header Shading	Header Text Background
Heading Text Colour	Background
Text Colour	Focus Text Shade
Focus Text Colour	Background Border
Control Background	Main Menu Highlight Colour
Channel Banner Highlight	

The colours are produced by varying the percentage of Red, Blue, and Green

- Push the MENU Button, and Welcome Banner will appear.
- Push the BLUE Button for Main Menu.
- Banner at the top of the TV screen will be viewed listing: Installation / Set Up / Information.
- Scroll to & select Set Up by pushing OK Button and 4 topics will appear.
- Scroll down to Advanced & push OK, and 5 topics will be viewed.
- Scroll down to Colour Set Up & Push OK.
- Colour Set Up banner will be viewed
- Select the heading required for adjustment
- Using Up / Down scroll buttons, select the colour Type
- Using Right & Left scroll buttons, adjust to your preferred setting
- Push OK and success banner will be viewed.
- Push Exit to view normal TV broadcast.



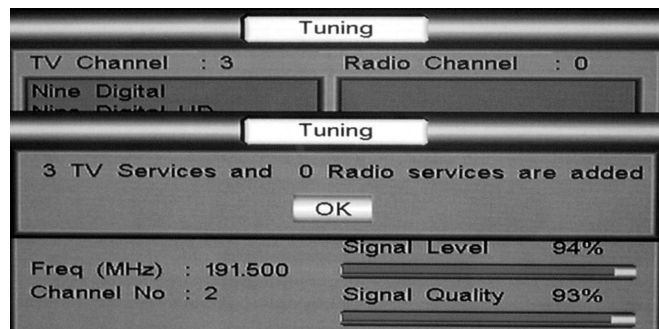
Manual Scan

Although you have 'Auto Scanned' your receiver to lock in available frequencies in your location, it is also possible to initiate a Manual Scan. This enables the possibility of scanning and locking in a channel that may not have been selected by the auto scan.

- Push the MENU Button, and Welcome Banner will appear.
- Push the BLUE Button for Main Menu.
- Banner at the top of the TV screen will be viewed listing: Installation / Set Up / Information.
- Scroll to & select Set Up by pushing OK Button and 4 topics will appear.
- Scroll down to Scan banner & push OK and 3 menus will be viewed.
- Select Scan Channel and push OK, Scan Channel Banner will now be viewed.

At the bottom of the banner you will see a Green Icon for Frequency (Freq)

- Push Green (Freq) button and frequency sector in the banner will be highlighted.
- Enter the Frequency number you are searching for via the remote controls numeric buttons.
- Scroll down to OK to Scan and push OK.
- With the Channel now found, Tuning OK banner will be viewed.
- Push OK to confirm.
- Push Exit 3 times to return to normal TV broadcast.



Factory Reset

Enables Receiver to be reset back to Factory Default Settings.

- Push the MENU Button, and Welcome Banner will appear.
- Push the BLUE Button for Main Menu.
- Banner at the top of the TV screen will be viewed listing: Installation / Set Up / Information.
- Scroll to & select Set Up by pushing OK Button and 4 topics will appear.
- Scroll down to Advanced & push OK, and 5 topics will be viewed.
- Scroll down to Factory Reset & Push OK.
- Password Banner will be viewed, enter 4 digit password
- Warning banner will be view prompting Yes / No
- Select YES, push OK and Reset will be actioned.

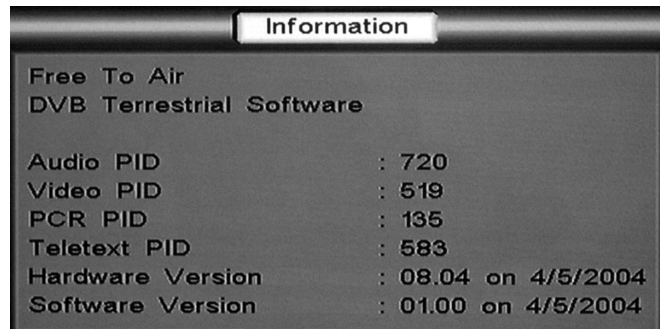
Information Menu

This menu details information on the receiver's Software and Hardware version

- Push the MENU Button, and Welcome Banner will appear.
- Push the BLUE Button for Main Menu.
- Banner at the top of the TV screen will be viewed listing: Installation / Set Up / Information.
- Scroll to & select Information by pushing OK Button and then select sub menu Information.

Information banner will now be viewed.

- Push Exit 3 times to view normal TV broadcast.



Troubleshooting

There may be various reasons for abnormal operation of the unit.

Occasionally receivers can hang-up (just like a PC). In this circumstance, it is recommended to reset the receiver by disconnecting it from mains power. Wait 30 seconds and connect to mains power again and check if receiver is working correctly.

If there is still incorrect operation, please refer to the following table for the indicated problem.

Symptoms	Possible Cause	Solution
LED on front panel does not light up	AC power is disconnected	Check the main power cord is plugged into the wall outlet and check that the power connector of the unit is plugged in.
No Picture & Sound	TV Mode is Incorrect	Check your TV has been set to correct AV Mode.
	Problem in cable connections between receiver & TV	Check you selected connections: Scart / S-Video / RCA / RF / Ant.
Picture and/or Audio Glitch	Insufficient Signal Strength for Digital	Check Signal Level & Quality level indicators of the Receiver to verify whether your antenna signal is adequate.
	Electrical Interference	Check all antenna cabling used is Quad Shielded type, including the antenna Fly Lead from the wall socket to the receiver.
No Sound	The receiver or the TV is in MUTE mode	Press the MUTE button on the remote control of your receiver and TV.
	Initial Volume Level has not been set on your TV	Set your desired TV volume level via TV remote control.
Remote Control not working	<ul style="list-style-type: none"> Batteries not inserted Batteries exhausted Outside range of operation 	<ul style="list-style-type: none"> Insert batteries Change batteries Aim at the receiver

Specifications

Demodulator Supports

- COFDM
- 2K / 8K
- Guard 1 / 2, 1 / 4, 1 / 8, 1 / 16, 1 / 32
- FEC, 1 / 2, 2 / 3, 3 / 4, 4 / 5, 5 / 6, 7 / 8
- QPSK, 16 QAM, 64 QAM.

CPU & Memories

- 32 Bit RISC
- 2M FLASH
- 8M SDRAM

RF Input

- IEC Female 9.5mm.
- Frequency range VHF: 147 to 429.9MHz / UHF: 430.0 to 858.0Mhz
- Bandwidth 8 / 7 MHz
- Exceeds DTV targets.
- RF Loop through
- 1000 Channel

Video Decoder

- MPEG-2
- Data rates up to 15Mbits / S
- Video format 4:3, 16:9

Audio Decoder

- MPEG-2 Layer I & II MONO / STEREO / dual channel
- Data rates up to 384Kbits/S

AV Outputs

- Composite video to SCART
- RGB video to SCART
- Stereo audio to SCART
- Coaxial S/PDIF
- S-VHS
- Composite Video & Stereo audio by RCA

Software Update

- 9 pin RS-232 connector

Dimension

- W 280mm X H 40.5mm X D 170mm (Case) / 185mm to end of connectors

Power

- 240V ~ +/- 10% 50/60Hz



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