



**HHS242** DVB-S2 HD MPEG4  
Satellite Television Receiver

# Operating Manual





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Thank you for choosing a healing HHS242 DVB-S2 High Definition MPEG4 receiver.

This sophisticated receiver has a host of exciting features and will enable you to receive and enjoy high definition and standard definition Satellite TV channels.

With your USB storage device, the units USB recorder will enable you to record your favourite programs, Time Shift live TV and playback various media files.

## SAFETY INFORMATION

Operating and Safety instructions should be read prior to connecting and operating the unit.

Please adhere to all Safety identification marks on the units back panel and safety instructions listed in this operating manual.

### **DO NOT INSTALL YOUR RECEIVER:**

- In a closed or poorly ventilated cabinet.
- Directly on top or under any other equipment.
- On an uneven surface.
- On a surface that might obstruct the ventilation slots.

### **DO NOT EXPOSE THIS RECEIVER OR ITS ACCESSORIES:**

- To water or intense moisture.
- To direct sunlight.
- To any equipment that generates heat.
- To intense vibration.
- To any magnetic objects such as loudspeakers, transformers etc.
- Never open the cover: High voltage electrical hazards make it extremely dangerous to touch the inside of the receiver.  
Note: Your warranty will be void if the receiver panel/s has been opened.
- If the receiver is not to be used for an extended period, unplug the receiver power cord from the wall power socket.
- When installing the receiver and connecting AV cables etc, initially disconnect the unit from mains power.
- Do not operate the unit if the power lead is damaged.
- Protect the power cord from being walked on or pinched.
- Clean the Front of the Receiver and its panels only with a dry cloth.
- Only use attachments/accessories specified by the manufacturer.

# Features

## HHS242 Features include:

- First time installation simplified.
- Sensitive SHARP tuner that delivers stable pictures from weaker Satellite signals.
- Locks low Symbol Rate signals so you can view more programs.
- Compatible with DVB-S2 and DVB-S broadcasts.
- Receives SCPC and MCPC broadcasts on C and Ku bands.
- Decodes MPEG4 (H.264) and MPEG2 signals.
- DiSEqC 1.0, 1.1 and 1.2 switching standards supported.
- Excellent High Definition and Standard Definition Wide Horizon' picture quality.
- Saves up to 4,000 TV and Radio channels.
- Signal Quality and Level bars, colour coded.
- Record and TimeShift live TV on your USB storage device.
- Accepts USB Bus powered Hard Disk Drives.
- Flexible Media Player plays MP3, JPEG, AVI, MKV, DIVX3.11, 4.X, 6.X, FLV, H.264MP, AP@L3, RM and RMVB files.
- NTFS and FAT32 format HDD compatibility.
- Video outputs: HDMI, Composite and Component.
- Audio outputs: Digital Coaxial and Analogue Stereo.
- Flexible and functional Menu options for ease of use.
- On Screen Display Menu options English, Czech, Danish, French, German, Italian, Portuguese and Spanish.
- Parental Lock program control option.
- Energy efficient, uses less than .8W on Standby.
- Robust power supply built for long life and reliability.
- Compact 19cm wide case, fits in minimal space.

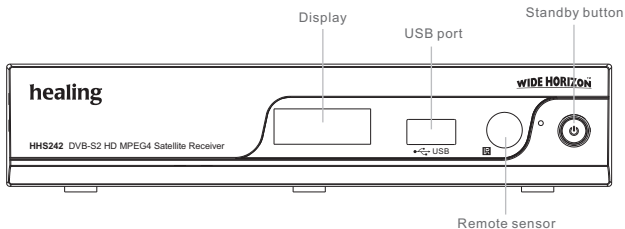
## Accessories Included:

- 1 x Remote Control Unit
- 2 x AAA Batteries,
- 1 x 3RCA-3 RCA AV lead
- 1 x Operating Manual.

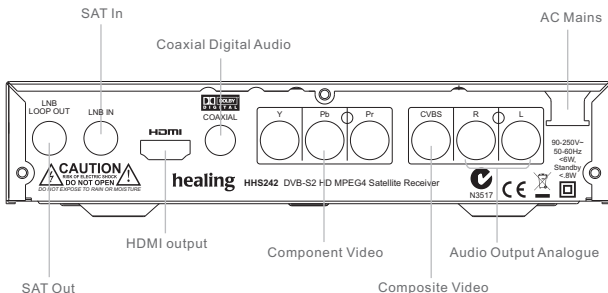
# INTRODUCTION

## About STB

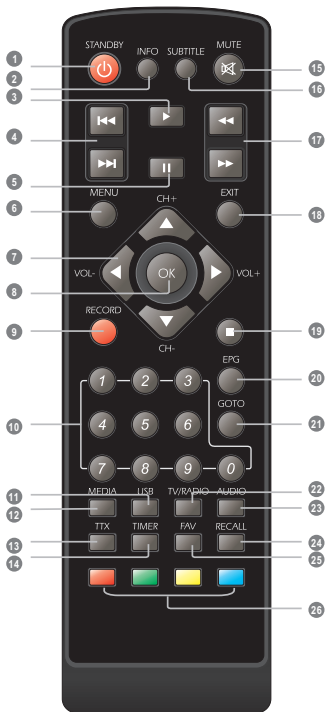
### Front panel



### Rear panel



## Remote control

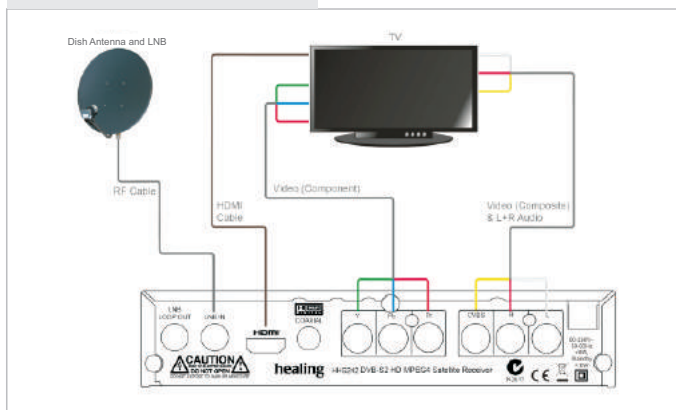


- 1 STANDBY  
(switch the STB on and standby)
- 2 INFO  
(Press for current channel information)
- 3 PLAY/PAUSE

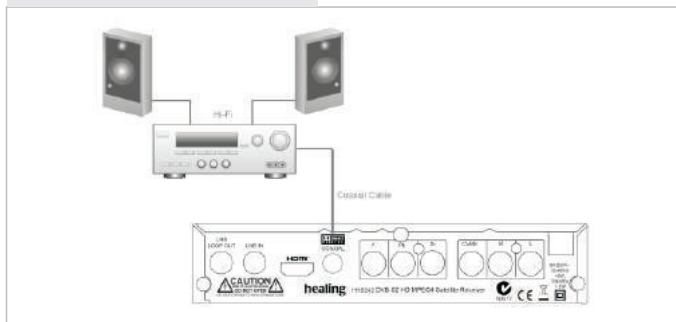
- 4 Previous/Next
- 5 STOP
- 6 Menu  
(Open and close the menu screen)
- 7 Cursor/CH+, -,VOL+,-  
(Cursor: Navigation buttons used to navigate menu's items)  
(CH+/-: Channel Up and Down)  
(VOL+/-: Volume Up and Down)
- 8 OK button  
(Confirm a selection within a menu)
- 9 RECORD  
(Record the TV program)
- 10 Numeric entry  
(Enter numeric values and select the channel directly by entering it's number)
- 11 USB  
(Enter USB menu)
- 12 MEDIA  
(Enter Recorder menu)
- 13 TTX (Open interactive service)
- 14 TIMER  
(Enter time menu)
- 15 MUTE (Turn off/on the volume)
- 16 SUBTITLE (On/Off Subtitle)
- 17 Search backward /forward
- 18 EXIT (Exit from menu)
- 19 STOP
- 20 EPG  
(Open up Electronic Program Guide Menu)
- 21 GOTO  
(Selects the play time of media)
- 22 TV/RADIO  
(Switch between TV and Radio)
- 23 AUDIO  
(Select audio track)
- 24 RECALL  
(Switch to previous channel)
- 25 FAV  
(Open the Favorite list)
- 26 RED/GREEN/YELLOW/BLUE Buttons  
(For interactive function/Submenu function buttons)

# SYSTEM CONNECTION

## Connection to the TV



## Connecting a HiFi system





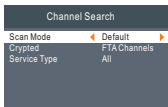
# GETTING STARTED

## Installation Guide

If you use the STB for the first time, the "Installation Guide" menu appears. Press cursor button to setup the OSD Language and Country. Highlight "Channel Search", then press the "OK" button to enter Dish Setup menu.

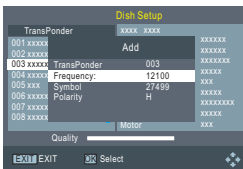
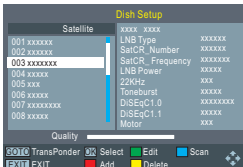
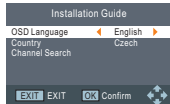
In Dish Setup menu, press "UP" or "DOWN" button to select Satellite. Press "OK" button to select Satellite. Press "RIGHT" button to enter the setup menu. This menu allows you to change settings like LNB Type, SatCR\_Number, SatCR\_Frequency, LNB Power, 22KHz, Toneburst, DiSEqC 1.0, DiSEqC 1.1 and Motor. Press "EXIT" button to exit.

GREEN button: Edit satellite  
RED button: Add satellite  
YELLOW button: Delete satellite  
BLUE button: Search Channels



Press "GOTO" button to goto TransPonder menu.

GREEN button: Edit TransPonder  
RED button: Add TransPonder  
YELLOW button: Delete TransPonder  
BLUE button: Search Channels



On completion of scanning, all active channels found will be stored automatically.

To stop scanning at any time, press the EXIT button. The channels already found will be automatically stored.

## Hotkey

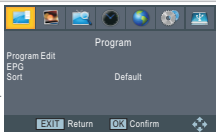
In TV viewing mode, you can do the following:

- Press UP/DOWN button to change channel.
- Press LEFT/RIGHT button to adjust volume.
- Use number key to change channel directly.
- Press OK button to enter channel List.
- Press RECALL button will switch to previous channel.
- Press SUBTITLE button to select the subtitle language.
- Press FAV button to enter FAV list.
- Press EPG button to enter EPG menu.
- Press INFO button can open information bar, then press INFO button again, it will show the parameters of current channel.

# PROGRAM

## Program main menu

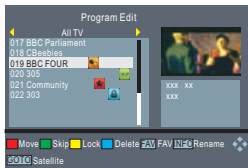
- 1 Press the "MENU" button to enter main menu.
- 2 Press "RIGHT" or "LEFT" button to highlight "Program", then press "OK" button to enter the Program menu.
- 3 Press "UP" or "DOWN" cursor button to highlight the desired item, and then press "OK"/"RIGHT" button to enter the sub-menu.
- 4 Press "EXIT" button to return to main menu.



## Program Edit

- 1 In "Program" menu, highlight "Program Edit" and press "OK" button, you are asked to input password (the default password is "000000").
- 2 In the Program Edit menu, you can press "GOTO" button to select All TV or the other satellite.
- 3 Press "UP" or "DOWN" button to highlight channel, press "OK" button to preview the desired TV channel.

Use this menu to move, skip, lock, delete, rename and favor channel.



### Move

Press RED button, the selected channel will be marked in a symbol "R", then press "UP" or "DOWN" cursor button to move the selected channel to the position that you want to place. Press "OK" button to confirm.

### Skip

Press GREEN button, the selected channel will be marked in a symbol "G". The selected channel will be skipped while you change the channel in full screen. Highlight the skipped channel, press GREEN button again to remove the skip symbol.

### Lock

Press YELLOW button, the selected channel will be marked in a symbol "L", the selected channel will be locked. Highlight the Locked channel, press YELLOW button again to remove the Lock symbol.

### Delete

Press BLUE button, the selected channel will be marked in a symbol "B". Press "OK" button, a confirmation window appears. Press "OK" button to delete the selected channel from channel list. Press "EXIT" button to cancel.

### Fav

Press "FAV" button, then press "UP" or "DOWN" cursor button to select Favorite Type, and press "OK" button, the selected channel will be marked in a symbol "F". The selected channel will be added to FAV list. Highlight the FAV channel, press FAV button again to remove the FAV symbol.

#### Favorite Type

- Disable
- Move
- News
- Sport
- Music

### Rename

Press "INFO" button to open the mock keypad. Input letter and numeric one by one by pressing the cursor button and press "OK" button to confirm. After finishing input, highlight "OK" on mock keypad to confirm, you change name successfully.

## EPG (Electronic Program Guide)

In EPG menu, you can press "RIGHT" or "LEFT" button to change channels.

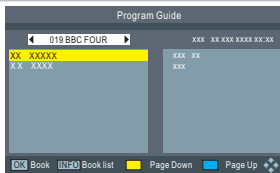
Press "UP" or "DOWN" button to select events.

Press "OK" button to book the events.

Press "INFO" button to enter the book List.

### NOTE:

You can also press "EPG" button to enter EPG menu directly.

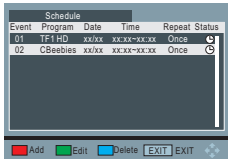


In Schedule menu (book List), you can set programmer timer.

Press "RED" button to Add timer.

Press "GREEN" button to Edit timer.

Press "BLUE" button to Delete timer.



Channel Type: TV/Radio

Channel No.: Press "LEFT"/"RIGHT" button to change channel No.

Channel Name: You can select a desired channel as the wake-up channel.

Start Date: Press numeric button to input date.

Start Time: Input the start time with the numeric buttons.

End Time: Input the end time with the numeric buttons.

Repeat: Once/Daily/Weekly

Mode: View/Record



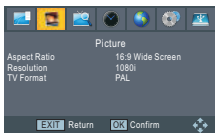
## Sort

Press "RIGHT" or "LEFT" button to select the sort way, such as Default/ By Encrypt/ By Freq/ By Service name

# PICTURE

## Picture

- ① Press the "MENU" button to enter main menu.
- ② Press "RIGHT" or "LEFT" button to highlight "Picture", then press "OK" button to enter the Picture menu.
- ③ Press "UP" or "DOWN" cursor button to highlight the desired item, and then press "LEFT"/"RIGHT" button to set the item.
- ④ Press "EXIT" button to return to main menu.



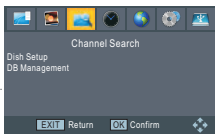
Picture menu allows for the setting of Aspect Ratio, Resolution and TV Format.

<u>Aspect Ratio:</u>	16:9 Wide Screen/ Auto/ 16:9 Pillar Box/ 16:9 Pan & Scan/ 4:3 Letter Box/ 4:3 Pan & Scan/ 4:3 Full
<u>Resolution:</u>	576i/576p/720p/1080i/1080P
<u>TV Format:</u>	PAL/NTSC

# CHANNEL SEARCH

## Channel Search main menu

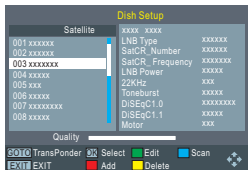
- 1 Press the "MENU" button to enter main menu.
- 2 Press "RIGHT" or "LEFT" button to highlight "Channel Search", then press "OK" button to enter the Channel Search menu.
- 3 Press "UP" or "DOWN" cursor button to highlight the desired item, and then press "OK"/"RIGHT" button to enter the sub-menu.
- 4 Press "EXIT" button to return to main menu.



## Dish Setup

Select "Dish Setup", press the "OK" button to enter the Dish Setup menu.

Please refer to "installation Guide" on page 9.



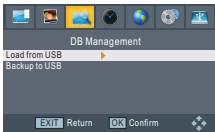
## DB Management

Data Base Management allows transfer of Channel Data (cloning) from one receiver to another.

To download and upload channel data by USB device; please action as follows:

Highlight "Load from USB", press "OK" button to upload channel list to flash.

Highlight "Backup to USB" item, press "OK" button to download channel list named "usb\_upgrade\_app.AP" in USB Device.



# TIME

## Time

- ① Press the "MENU" button to enter main menu.
- ② Press "RIGHT" or "LEFT" button to highlight "Time", then press "OK" button to enter the Time menu.
- ③ Press "UP" or "DOWN" cursor button to highlight the desired item, and then press "LEFT"/"RIGHT" button to set the item.
- ④ Press "EXIT" button to return to main menu.

### Time Offset:

You can set time offset to Auto / Manual.

### Time Zone:

This menu is valid only when selected "Auto" in Time Offset menu. The Time Zone range is "-12 ~ +12".

Date: "Date" and "Time" menus are valid only when selected "Manual" in Time Offset menu.

Time: Press numeric button to change the date and time.

### Sleep:

You can set Sleep to Off/1-12 Hour.

No command to STB on front panel or Remote in 1-12 hours and no timer event, the STB will enter standby mode automatically. If Off is selected, the STB can't enter standby mode automatically.

OSD Off: 3S/5S/10S/15S/



# OPTION

## Option

- ① Press the "MENU" button to enter main menu.
- ② Press "RIGHT" or "LEFT" button to highlight "Option", then press "OK" button to enter the Option menu.
- ③ Press "UP" or "DOWN" cursor button to highlight the desired item, and then press "LEFT"/"RIGHT" button to set the item.
- ④ Press "EXIT" button to return to main menu.



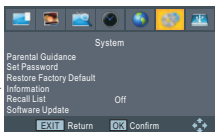
This menu allows you to set OSD Language, Subtitle Language, Audio Language and Digital Audio.

<u>OSD Language:</u>	you can set OSD Language.
<u>Subtitle Language:</u>	you can set Subtitle Language.
<u>Audio Language:</u>	you can set Audio Language.
<u>Digital Audio:</u>	PCM/Off/RAW(HDMI On)/RAW
<u>Audio Description:</u>	Off/1-31

# SYSTEM

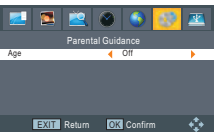
## System main menu

- 1 Press the "MENU" button to enter main menu.
- 2 Press "RIGHT" or "LEFT" button to highlight "System", then press "OK" button to enter the System menu.
- 3 Press "UP" or "DOWN" cursor button to highlight the desired item, and then press "OK"/"RIGHT" button to enter the sub-menu.
- 4 Press "EXIT" button to return to main menu.



## Parental Guidance

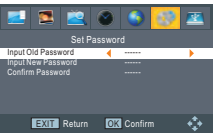
- 1 In "System" menu, select "Parental Guidance" and press "OK" button, you are asked to input password, the default password is 000000.
- 2 After inputting the correct password by pressing numeric buttons, the Parental Guidance menu appears.
- 3 Press "RIGHT" or "LEFT" button to set the age to Off/04-18



## Set Password

In "System" menu, select "Set Password" and press "OK" button to enter the Set Password menu.

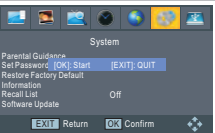
- Input Old Password: The default password is 000000  
Input New Password: To change the password.  
Confirm Password: To confirm the new password.



## Restore Factory Default

This menu allows you to re-set the STB back to factory settings, clear all existed channels.

- 1 In "System" menu, select "Restore Factory Default" and press "OK" button, you are asked to input password, the default password is 000000.
- 2 After inputting the correct password by pressing numeric buttons, press "OK" button to restore factory default. Press "EXIT" to cancel.



## Information

This menu can display some information of Model, SW Version and HW Version in this STB.



## Recall List

Press "RIGHT" or "LEFT" button to set Recall List to On/Off

## Software Update

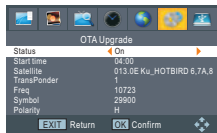
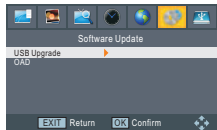
We offer the function for users to update software version by USB or by OAD Over The Air Download.

### USB Upgrade:

Select "USB Upgrade" item and press "OK" button to start upgrade.

### OAD: Over The Air Download

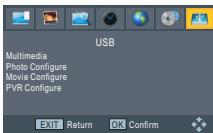
- 1 Select "OAD" and press "OK" button, OTA Upgrade menu is shown.
- 2 Press cursor button to select the desired item. The items are valid only when selected "On" in "Status" item. Input the "Start time" with numeric buttons, the STB will update automatically in that time.
- 3 Press "EXIT" button to exit.



# USB

## USB main menu

- 1 Press the "MENU" button to enter main menu.
- 2 Press "RIGHT" or "LEFT" button to highlight "USB", then press "OK" button to enter the USB menu.
- 3 Press "UP" or "DOWN" cursor button to highlight the desired item, and then press "OK"/"RIGHT" button to enter the sub-menu.
- 4 Press "EXIT" button to return to main menu.

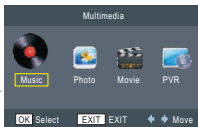


## Multimedia

Connect your USB storage device to the host USB-2 connector on the receiver's front panel. This function allows you to play files from USB port. You can play music, photo, movie and PVR files.

- 1 In Multimedia menu, press "LEFT" or "RIGHT" cursor button to select a desired item, and press "OK" button to enter the sub-menu.
- 2 Press "UP" or "DOWN" cursor button to highlight the file you want to play.
- 3 Press "OK" button to play file or enter sub-menu.
- 4 Press "EXIT" button to exit.

Refer compatible files on Specifications page 21.



## Photo Configure

**Slide Time:**

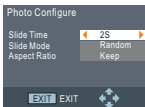
To set the photo slide time to 1/ 2/ 3/4/ 5/ 6/ 7/ 8s

**Slide Mode:**

To set the photo Slide Mode to Random/0-59

**Aspect Ratio:**

To set the photo Aspect Ratio to Keep/discard



## Movie Configure

**Subtitle Specific:**

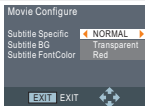
To set the Movie Subtitle Specific to NORMAL/ BIG/ SMALL

**Subtitle BG:**

To set the Movie Subtitle BG to Transparent/Gray/ Yellow Green/ White

**Subtitle Font Color:**

To Set the Movie Subtitle Font Color to Red/Blue/ Green/ White/ Black



## PVR Configure

This menu allows you to set PVR configure.

Press "UP" or "DOWN" cursor button to highlight the desired item, and then press "OK"/"RIGHT" button to enter the sub-menu. Press "EXIT" button to return.

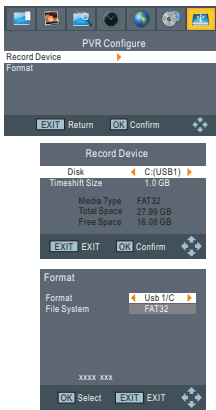
### Record Device

Press "LEFT" or "RIGHT" cursor button to select Record Device.

### Format

This menu allows you to format the disk.

- Press cursor button to select disk and File System.
- Press "OK" button, a window appears. Press "OK" button to format. Press "EXIT" button to cancel.



## Record

### Instant record

In viewing mode, press "RECORD" button to instantaneously start a record on the current channel. Press INFO button to display Record information. Press "STOP" button to stop recording, then a confirmation window appears. Press "OK" button to stop recording. Press "EXIT" button to continue recording.

Do you want to stop record?  
[OK]: Yes [EXIT]: Cancel

## Time Shift

Time Shift can be done in viewing mode by pressing the "PAUSE" button.

During the playback, it is possible to perform the following actions :

- Press "PLAY" button to play the playback
- Press "PAUSE" button to pause the playback
- Press "FORWARD" button to fast forward the playback
- Press "BACKWARD" button to rewind the playback

Press "STOP" button to stop Time Shift. Then, you are being brought back to viewing mode displaying the present program.

Notes: Time Shift will only be available when USB HDD is connected to system and read/write speed is high enough to do that.

# TROUBLESHOOTING

Check your receiver with the suggestions below.

Symptom	Cause	Suggestion
No Power	Mains lead unplugged.	Check the power cord is plugged in-at both ends
No Signal	Dish is disconnected Dish is misaligned	<ul style="list-style-type: none"> <li>• Check cable is connected</li> <li>• Re align Dish and LNB</li> <li>• Check Signal strength with spectrum analyzer</li> </ul>
I can see the menu but cannot view any channels	Antenna problem Unit not scanned	<ul style="list-style-type: none"> <li>• Check a functional dish is properly connected.</li> <li>• Action auto Scan</li> </ul>
Receiver On but I cannot see picture	Incorrect AV lead connection	Check the required AV or HDMI cables are properly connected-at both ends.
No Audio	Incorrect Audio lead connections or Mute/Volume setting.	<ul style="list-style-type: none"> <li>• Check the Red and White audio leads from the receiver are properly connected.</li> <li>• Check the Mute is not activated on the receiver.</li> <li>• Check the receivers' volume level is high enough.</li> </ul>
Receiver not responding to the Remote Control Unit	Batteries not inserted properly or exhausted.	<p>Check Remote Control batteries are fresh and battery contacts are free from corrosion, replace as necessary.</p> <p>Disconnect the receivers' mains power. Wait about 1 minute and power the unit up again. You may need to reset to Factory Default and rescan.</p>

# SPECIFICATIONS

<p><b>TUNER:</b>  RF Input: F type female 75Ω  RF Loop Through: F type female 75Ω  Frequency Range (IF): 950 - 2,150MHz.  Signal Level range: -25 to -78dBm</p>	<p>SHARP High Sensitivity  F type female 75Ω  F type female 75Ω  950 - 2,150MHz.  -25 to -78dBm</p>
<p><b>DECODERS</b></p> <p>Video:  Video Formats:  Video Outputs:  Video Resolution:  Audio:  Audio Outputs:  Modulation:  Symbol Rate range:</p>	<p>JPEG, AVI, MKV, DIVX3.11, 4.X, 6.X,  FLV, H.264MP, AP@L3, RM and RMVB  16:9 or 4:3 screen shapes  HDMI, Component (YPbPr) or Composite (CVBS)  1080p, 1080i, 720p, 576p, 576i, 480p or 480i  MPEG-1, MPEG-2 (layer I/II), MP3, AAC-LC &amp; Dolby  Digital Coaxial, HDMI and Analogue Stereo.  QPSK or 8PSK  1 - 45,000 Mega-Symbols per Second</p>
<p><b>CONNECTIONS</b></p> <p>LNB Loop Out:  LNB In:  HDMI:  Coaxial Digital Audio:  Component Video:  Composite Video:  Audio Analogue:  Power:</p>	<p>1 x F type female 75Ω  1 x F type female 75Ω  1 x HDMI female  1 x RCA female  1 x Y (luma + sync) RCA female  1 x Pb (blue - luma) RCA female  1 x Pr (red - luma) RCA female  1 x CVBS RCA female  1 x Right RCA female  1 x Left RCA female  1 x SAA power lead, fixed type</p>
<p><b>POWER SUPPLY</b></p> <p>Voltage:  Consumption:  Standby Consumption:</p>	<p>90 - 250V~, 50 - 60Hz  Less than 6 Watts  Less than .8 of 1 Watt</p>
<p><b>MECHANICAL</b></p> <p>Case Dimensions:  Weight:</p>	<p>190mm Wide x 120mm Deep x 42mm High  510 grams</p>





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