



*HHM897 **HD** DIGITAL TV RECEIVER*

# Operating Manual



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## **INTRODUCTION**

Thank you for choosing a healing HHM897 high definition digital television receiver.

The HHM897 will enable you to receive and enjoy high definition and standard definition digital terrestrial TV channels that are available in your location - including freeview channels

The unit includes a choice of 4 video connections to your television as well as the convenience of an Inbuilt RF Modulator enabling connection to old televisions that do not have any video inputs

For a complete listing of our digital television terrestrial receivers as well as our expansive range of television reception products please view our website: [www.healingdigital.com](http://www.healingdigital.com)

For general enquiries please email us at [sales@laceys.tv](mailto:sales@laceys.tv) or phone 03 9776 0222

## **HHM897 FEATURES**

- Excellent High Definition & Standard Definition 'Wide Horizon' picture quality
- High sensitivity tuner
- Receives all 'freeview' Channels
- Resolutions 1080i, 720p, 576i and 576p
- HDMI, YPbPr Component, S-Video Mini Din, and CVBS Composite outputs active simultaneously
- Inbuilt RF Modulator (UHF21-69) for connection to old televisions that do not have video inputs
- Coaxial Digital Audio output
- Optical S/PDIF Digital Audio output
- RCA Audio output
- Electronic Program Guide EPG) with 8<sup>th</sup> day cross over
- Centre Cut option displays aspect of 16:9 on 4:3 screens
- Automatically updates broadcaster program changes
- Signal Strength and Quality bars colour coded
- Low Energy Consumption - MEPS compliant
- Saves program parameters at Power Fail
- Closed Caption subtitles
- Parental Lock
- RS232 connector for software upgrades
- Removable mains power lead

## **SAFETY INSTRUCTIONS**

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.

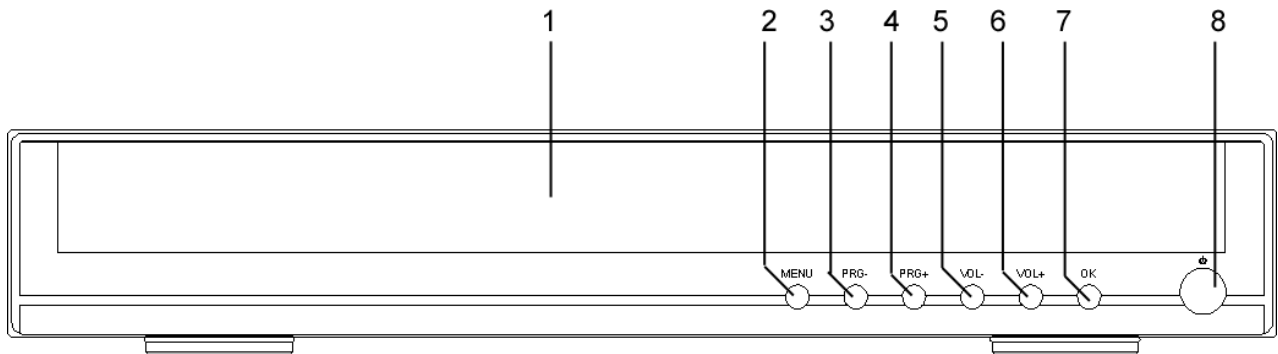
### **DO NOT INSTALL YOUR RECEIVER:**

- 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:**

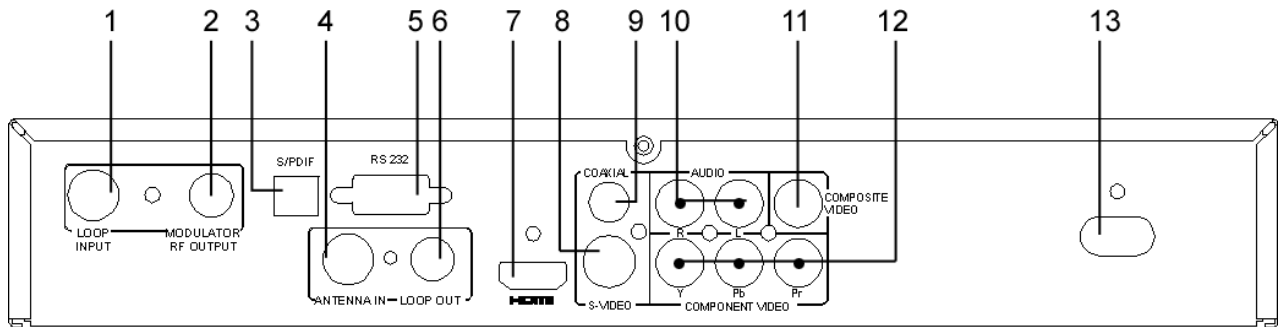
- To water or intense moisture
- To direct sunlight
- To any equipment that generates heat
- To intense vibration
- To any magnetic objects such as loudspeakers, transformers etc.
- Never open the cover: High voltage electrical hazards make it extremely dangerous to touch the inside of the receiver. 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.

## FRONT PANEL



1. LED display - Shows channel selected and display status: Power LED, red- indicates power supply active. Remote Control sensor.
2. MENU. Press key to enter Main Menu.
3. PRG- Key. Viewing Mode: To select a lower channel number.
4. PRG+ key. Viewing Mode: To select a higher channel number. Menu Mode: Move up through Menu items.
5. VOL- Key. Viewing Mode: To decrease volume. Menu Mode: Alter selected MENU item.
6. VOL+ Key. Viewing Mode: To increase volume. Menu Mode: Alter selected MENU item.
7. OK. Operation confirmation; Channel List.
8. STANDBY key - Switches between Operational and Standby modes.

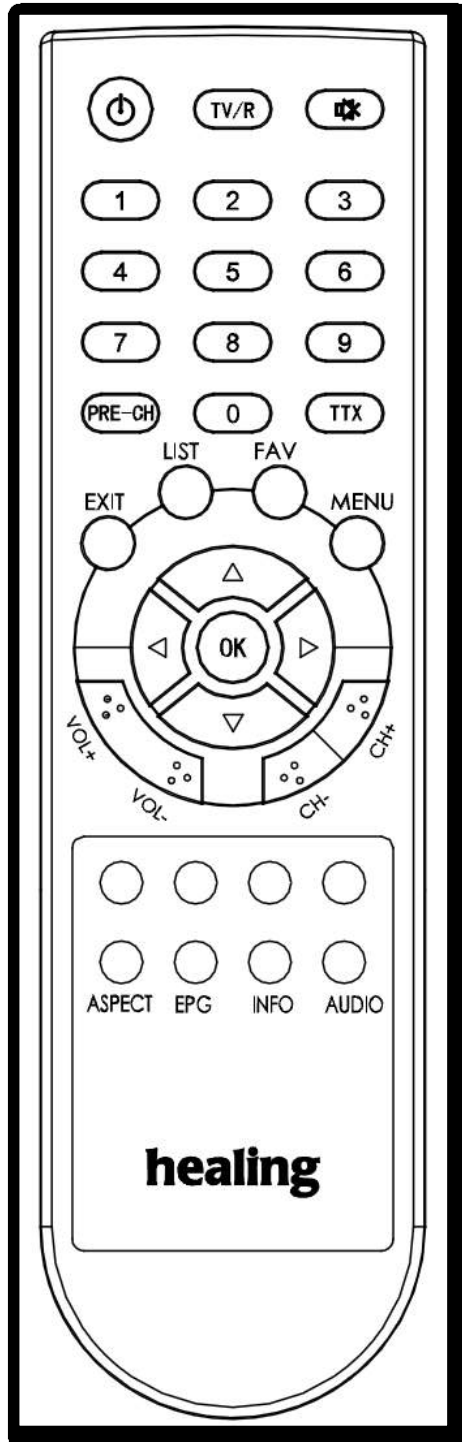
## REAR PANEL



1. LOOP INPUT: Combines the antenna signal with LOOP OUT.
2. MODULATOR RF OUTPUT: Output for UHF modulated signal from the HHM897 (for use with televisions that do not have any video inputs).
3. S/PDIF: Optical digital output for superior audio quality.
4. ANTENNA IN: Input for antenna; mandatory for stable pictures.
5. RS232: DB9 Connector for software upgrades.
6. LOOP OUT: Loop through to pass the antenna signal to another receiver
7. HDMI: Digital Video and Audio output, combined over a single cable.
8. S-VIDEO. A clearer video output than CVBS.
9. COAXIAL. Coaxial digital audio output for superior audio quality.
10. AUDIO R/L: Right and Left stereo audio connectors.
11. VIDEO: Composite CVBS output.
12. COMPONENT VIDEO: YPbPr outputs for high picture quality.
13. POWER: Mains Power input: IEC C7 figure 8.



## REMOTE CONTROL UNIT KEY FUNCTIONS



## REMOTE CONTROL UNIT KEY FUNCTIONS

FUNCTION	DESCRIPTION
STANDBY	Switch between Standby and operation
TV/R	Switch between Television and Radio programs
MUTE	Mute audio
0-9	Select channels by numbers
PRE-CH	Switch to the previously watched program
TTX	Activated Teletext (where broadcast)
EXIT	Exit the current Menu function
LIST	Displays a list of all channels scanned
FAV	Displays Favourite channel list
MENU	Displays Main Menu
UP/DOWN ARROW KEYS	Menu Mode: move cursor up/down Non Menu Mode: program up/down
LEFT/RIGHT ARROW KEYS	Menu Mode: Move cursor Left or Right Non Menu Mode: Audio volume up or down
OK	Confirm selected menu item
VOL+	Audio level increase
VOL-	Audio level decrease
CH-	Channel change Down
CH+	Channel change Up
RED KEY	To delete channels within the Edit Channels Menu
GREEN KEY	Freeze picture; press again to release
YELLOW KEY	For inputting Favourites within the Edit Channels Menu
BLUE KEY	Closed Captions on or off and for Channel Sort function within the Edit Channels Menu
ASPECT	Steps through 3 Aspect Ratio Options (in 4:3 mode only)
EPG	Displays Electronic Program Guide Information
INFO	Displays general information for the current program on the channel selected
AUDIO	Displays AUDIO CTL Menu Options

## **REMOTE CONTROL BATTERY CARE**

To ensure long life from your Remote Control Unit:

1. Check that the polarity indicators of batteries and the remote control terminals correspond.
2. Do not mix new and old or different types of batteries together.
3. Never leave old or exhausted batteries in the remote control.
4. If storing your receiver for an extended period, remove the batteries from the RCU.
5. Only rechargeable cells (NiMh etc) should be recharged, and on a purpose built charger.
6. Do not attempt to disassemble or short circuit the batteries.
7. Do not expose the batteries to heat sources.
8. In the event of electrolyte fluid does leak from a battery inside the remote control, wipe away with a damp cloth and insert new batteries.
9. Damage to your RCU caused by leaking batteries is not covered by warranty.

## PREPARING THE REMOTE CONTROL FOR USE

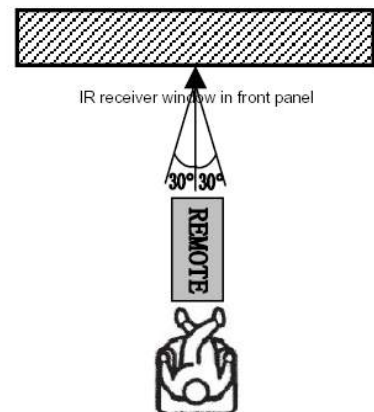
Fresh batteries must be loaded for your remote control unit to operate reliably.

1. Open the battery compartment lid on the back of the RCU.
2. Insert the batteries, negative terminals first. Take care that the battery polarity markings correspond with those of the remote control.
3. Close the battery compartment lid, checking that it locks in place.
4. Your RCU should now be ready for use.

## REMOTE CONTROL OPERATING DISTANCE & ANGLE

With an uninterrupted view of your receiver's Front panel IR window, point the RCU towards your receiver and press any key.

1. *Distance:* The remote control should work up to 7 meters from the front of your receiver.
2. *Angle:* and about + or - 30 degrees from directly facing the receiver (see drawing).



## USEFUL TIPS

1. For prolonged receiver life, intervals of continuous switching action should be kept to less than one minute.
2. Should receiver stop responding to RCU commands or freeze up, disconnect the batteries and or power for 10 seconds and restart.
3. Daylight and some electric light can compromise the distance over which an RCU is effective. You can solve this by re-adjusting receiver position and room lighting as necessary.

Your healing HHM897 High Definition Receiver comes with a selection of Video and Audio outputs. The outputs you use will be determined by the inputs available on your TV monitor and or audio decoding amplifier.

The following basic terminology will help your understanding.

TERMINOLOGY	QUALITY GRADING	EXPLANATION
<b>VIDEO CONNECTIONS</b>		
HDMI (High Definition Multimedia Interface)	High Definition digital video and audio	Video & Audio on one cable. Highest possible picture and sound quality to 1080i.
YPbPr (Component Video)	High Definition analog video	Separate red, green, blue over 3 RCA connectors. Excellent picture quality. You will still need to connect the audio via RCA, Coaxial or S/PDIF.
S-Video	Standard Definition analog video	Separates the Y (brightness) and C (colour) of analog video. It is usually a sharper picture than CVBS. You will still need to connect the audio via RCA, Coaxial or S/PDIF.
CVBS (Composite Video)	Standard Definition analog video	Video signal on one yellow RCA connector. You will still need to connect the audio via RCA, Coaxial or S/PDIF.
Modulator RF Output	UHF modulated video and audio	Use this connection when your TV does not have any video inputs
<b>AUDIO CONNECTIONS</b>		
RCA	Analog stereo audio	Left and Right audio channels via the White and Yellow RCA connectors
Coaxial	Digital audio bit stream.	Carries digital audio signals in electrical form to a monitor or decoder amplifier. CD quality.
Optical S/PDIF	Digital audio bit stream.	Carries digital audio signals in laser light form to a monitor or decoder amplifier. CD quality.

N.B All AV Outputs are available simultaneously, simplifying installation and enabling multiple displays of different resolutions to be driven at the same time.

Now you can choose the connection method that best suits your display from one of the connection types listed on the following pages.

## INSTALLATION

### Connecting the HHM897 - Video and Audio

Choose one of the following choices of Video Connections from the HHM897 to your television.

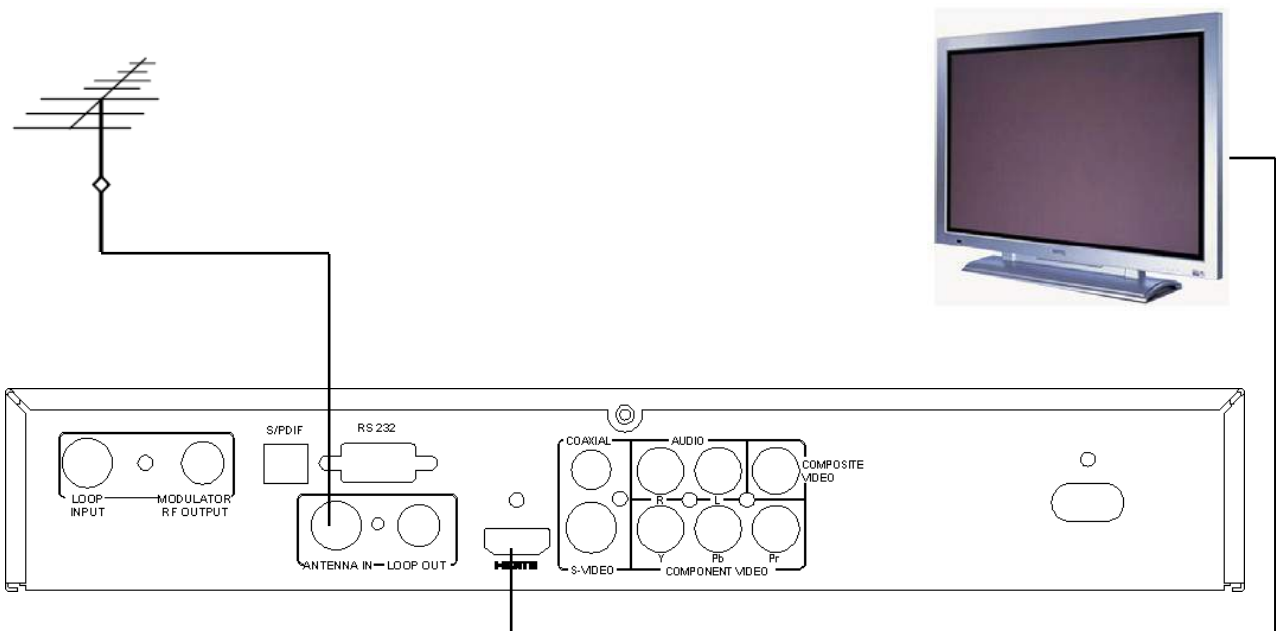
The Output that you choose will be determined by the Inputs available on your Television.

#### Connector: HDMI.

You will require a separately purchased HDMI Lead.

The HDMI Lead provides Video and Audio. For Audio you can also choose to use the Optical S/PDIF or Coaxial digital audio connections to your decoder amplifier.

- a. Connect the HDMI lead to the HDMI connector on your TV.
- b. Connect the antenna lead to the ANTENNA IN connector on the rear of the receiver.
- c. Connect mains power to the back of your receiver using the supplied IEC C7 figure 8 power lead.



## Connector: YPbPr Component

You will require a separately purchased YPbPr Component Lead.

a. Connect Component lead (Red, Green, Blue connectors) to the HHM897 YPbPr connectors on the rear of the receiver and to the corresponding YPbPr Component connectors on your TV.

b. Connect the antenna lead to the ANTENNA IN connector on the rear of the receiver.

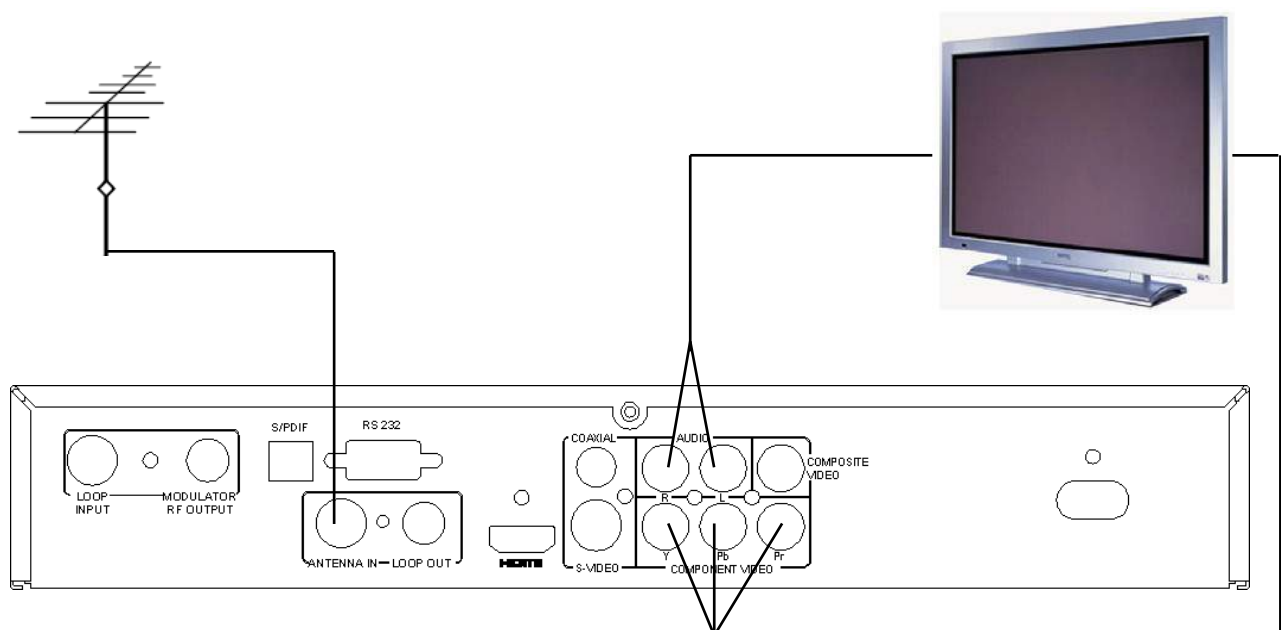
c. **AUDIO:** You will need to make separate connections for Audio as follows:

c1. Using the supplied RCA AV lead; Yellow, Red, White connectors; connect the Red connector (Right Audio) to the Red RCA audio socket on the rear of the receiver and the White connector (Left Audio) to the White RCA audio socket on the rear of the receiver.

c2. Connect both leads to the corresponding colour coded Left and Right RCA audio sockets on your TV.

Note: For audio you can choose to use the Optical S/PDIF or Coaxial digital audio connections to your decoder amplifier.

d. Connect mains power to the back of your receiver using the supplied IEC C7 figure 8 power lead.



**Connector: S-Video.**

You will require a separately purchased S-Video Lead.

a. Connect the S-Video lead to the S-Video connector on the rear of the receiver and to the S-Video connector on your TV.

b. Connect the antenna lead to the ANTENNA IN connector on the rear of the receiver.

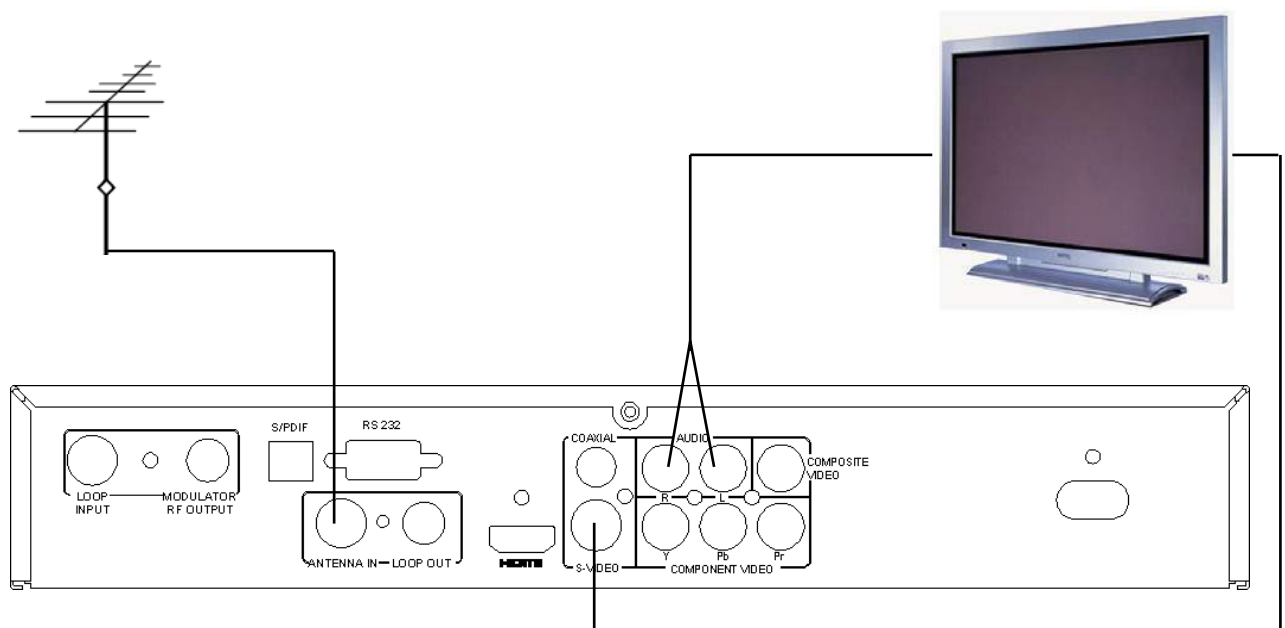
c. **AUDIO:** You will need to make separate connections for Audio as follows:

1. Using the supplied RCA AV lead; Yellow, Red, White connectors; connect the Red connector to the Red RCA audio socket on the rear of the receiver (Right Audio) and the White connector to the White RCA audio socket on the rear of the receiver (Left audio).

2. Connect both leads to the corresponding Left and Right RCA audio sockets on your TV.

Note: For audio you can choose to use the Optical S/PDIF or Coaxial digital audio connections to your decoder amplifier.

d. Connect mains power to the back of your receiver using the supplied IEC C7 figure 8 power lead.





### Connector: Composite CVBS.

Use the supplied Yellow / White / Red connectors RCA AV Lead. This lead provides Video and PCM Stereo Audio as follows:

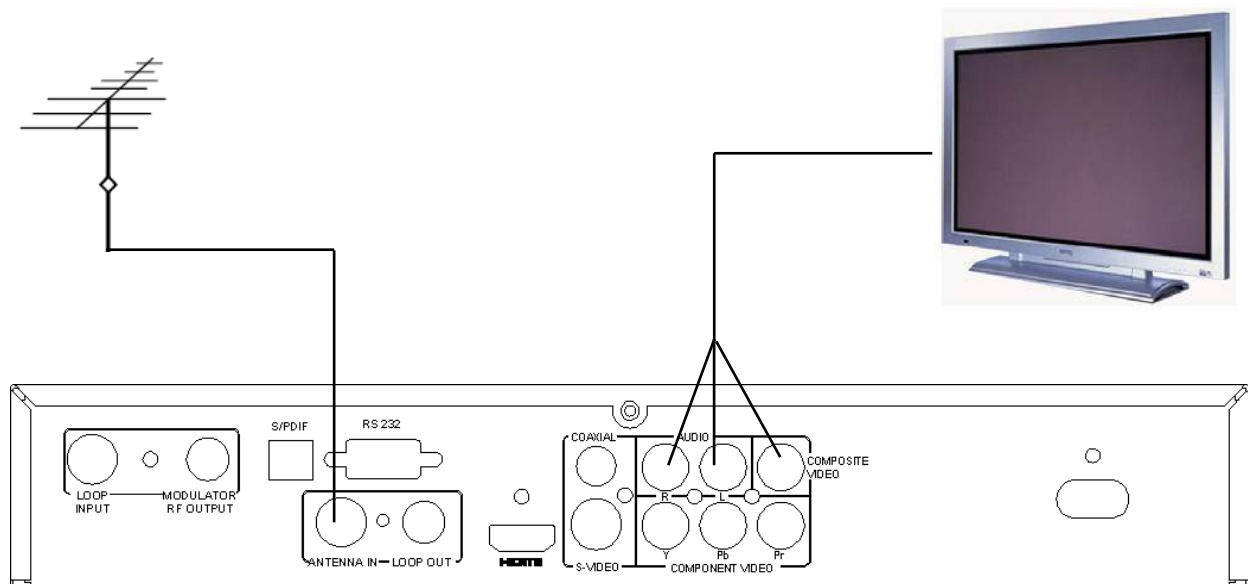
- ✚ Yellow Lead = Video
- ✚ White Lead = Left Audio
- ✚ Red Lead = Right Audio

a. Connect the Yellow, Red, White connectors the RCA video and audio sockets on the rear of the HHM897 and connect to the corresponding sockets of your TV

b. Connect the antenna lead to the ANTENNA IN connector on the rear of the receiver.

Note: For audio you can choose to use the Optical S/PDIF or Coaxial digital audio connections to your decoder amplifier.

d. Connect mains power to the back of your receiver using the supplied IEC C7 figure 8 power lead.



## Connector: Modulator RF Output

Use this connection method for televisions that do not have any video inputs.

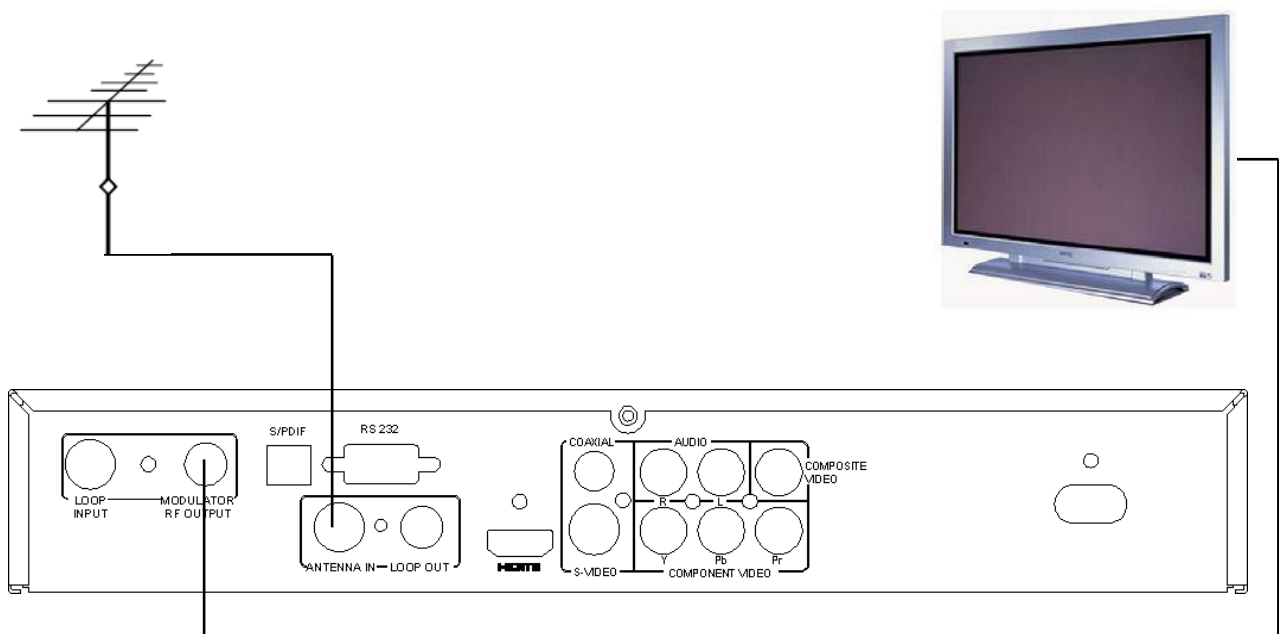
Note: The factory default Modulator channel is UHF channel 38.

Note: If you need to use different UHF channel (choice of 21 to 69), refer to RF Modulator Set Up on page 23.

You will require a separately purchased RF Lead.

This connection provides Video and Audio.

- a. Connect the RF lead to the MODULATOR RF OUTPUT connector on the rear of the receiver and to the ANTENNA IN connector on your television.
- b. Connect your Aerial lead to the ANTENNA IN Connector on the rear of the receiver.
- c. Connect mains power to the back of your receiver using the supplied IEC C7 figure 8 power lead
- d. RF Sound Mode: B/G is the correct sound mode and it is set as a factory default.



## AC3 Dolby Digital Audio: Connecting to a Digital Audio Amplifier

Choose one of the following two Digital Audio Connections:

### 1. Digital Coaxial Audio

You will require a separately purchased coaxial audio lead.

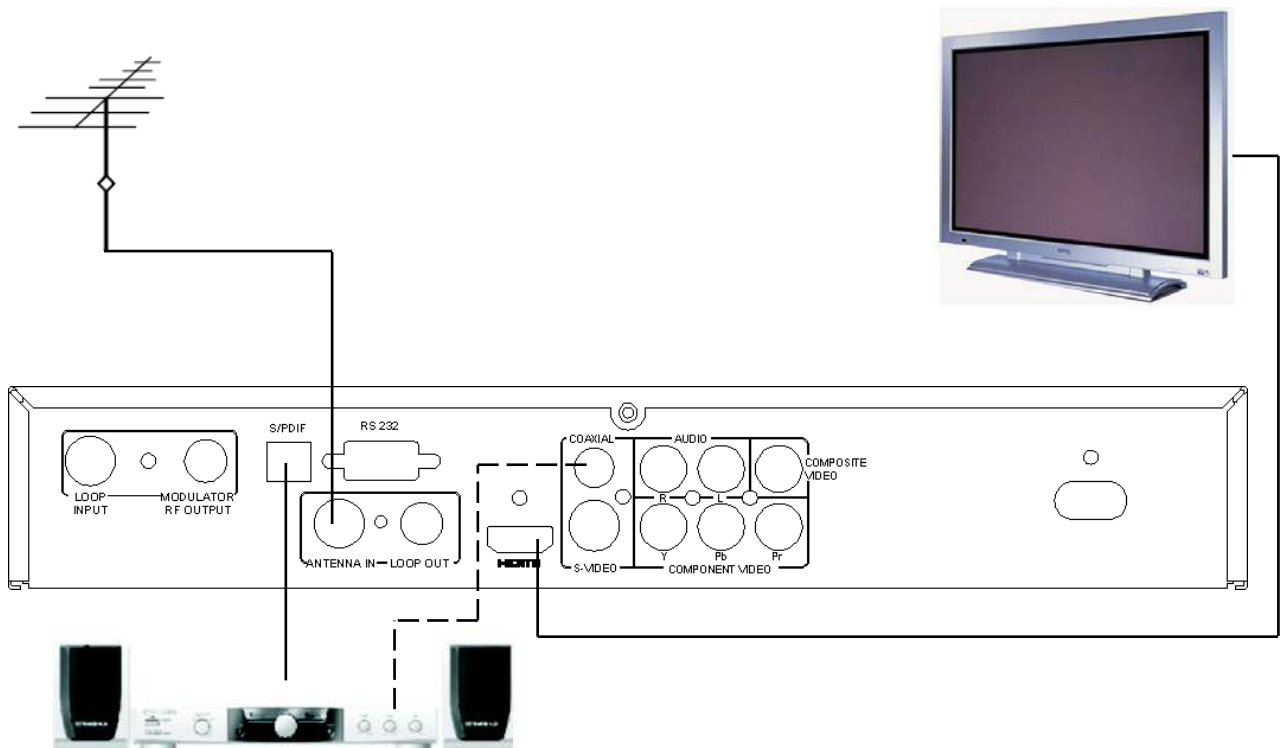
Connect the audio lead to the HHM897 (orange connector) and connect to the corresponding digital audio connector of your decoder amplifier.

### 2. S/PDIF Optical Audio

You will require a separately purchased S/PDIF Optical lead.

Connect the S/PDIF optical lead to the S/PDIF connector of the HHM897 and then to the S/PDIF connector of your amplifier.

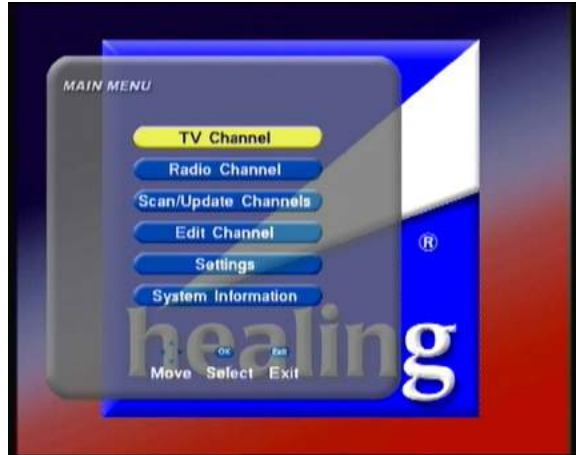
Note: Either of these 2 leads will provide AC3 Dolby digital audio to your Dolby digital decoder amplifier when the TV program carries a Dolby digital signal.



## START UP

Once you have connected your preferred Video and Audio Outputs of the HHM897 to the TV's Inputs and connected the antenna and power source, please action the following Start Up procedure:

- Power On the HHM897 and red LED will appear in the units display.
- For first time set up (from factory default) a dialogue box will be displayed stating "No valid program to be played" and asks "start auto search now?".
- You can press [Yes], or after 10 seconds Auto Scan will begin automatically.
- The receiver will scan and input TV & Radio channels in your location and this will take a few minutes.
- Front panel LED show centre frequency of channel being scanned.
- Once all channels have been scanned, the receiver will automatically revert to normal TV viewing.



If desired, when the channels you require have been passed, press EXIT key - alternatively let the receiver complete its total auto scan.

## Main Menu

Many of the set up functions explained throughout this operational manual are actioned via the Main Menu.

1. Select Main Menu by pressing the MENU Key on the remote control.
2. Main Menu page will display: TV Channel, Radio Channel, Scan, Edit Channel, Settings and System Information.
3. Use the UP/DOWN arrow key on the remote control to scroll to each Menu item.
4. Press the OK key on the remote control to activate the menu selected.



## Time Zone and Daylight Saving Time Setting

Time and Date are sensed automatically from the broadcast stream.

When your selection is highlighted, press the OK key to confirm your selection.

1. Press MENU key and MAIN MENU page will display.
2. Use the UP/DOWN arrow keys and select the sub menu SETTINGS.
3. Press the OK key and an "Input Pin" dialogue box will display. Enter your PIN to access (or the factory default pin 0, 0, 0, 0).
4. Settings page will be displayed.
5. Use the UP/DOWN arrow keys to Select SYSTEM SETTING and press OK.
6. Systems Settings Page will be displayed and TIME ZONE is the first sub menu.
7. Use the left / right arrow keys to make your State selection.
8. Select Daylight Savings and select On or Off.
9. Press EXIT 3 times to return to normal TV viewing.



## Changing Pin

WARNING - RECORD YOUR NEW PIN

You can choose to change the PIN to any four numbers

Default Pin is 0, 0, 0, and 0.

First the current PIN must be entered correctly followed by your new PIN and verification.

1. Press MENU key and MAIN MENU page will display.
2. Use the UP/DOWN arrow keys and select the sub menu SETTINGS.
3. Press the OK key and an "Input Pin" dialogue box will display. Enter your PIN to access (or the factory default pin 0, 0, 0, 0).
4. Settings page will be displayed.
5. Use the UP/DOWN keys to Select SYSTEM SETTING and press OK.
6. Use the UP/Down arrow keys and select CHANGE PIN.
7. Press OK and "Current Pin" dialogue box will display.
8. Enter current Pin and "New Pin" dialogue box will display.
9. Enter new Pin.
10. "Verify Pin" dialogue box will display.
11. Enter Pin (make sure you have recorded the new pin in a safe place).
12. Exit 3 times to return to normal TV viewing.

With Installation completed, the following sections in this operating manual will describe the various operational functions of the HHM897.

## Selecting and Changing TV Channels

There are 3 methods of changing TV channels (same process for Radio Channels).

1. Numeric Input: Press the numeric keys on the remote control to select and view each channel.
2. CH- and CH+ Key: Press the CH- and CH+ key on the remote control to select and view each channel.
3. UP/DOWN arrow Keys: Press the UP/DOWN arrow keys on the remote control to select and view each channel.

## Volume Adjustment

There are 2 methods of volume adjustment.

1. Press the VOL+ and VOL- keys on the remote control.
2. Press the LEFT/RIGHT arrow keys on the remote control.

## AV Setting

**Screen Ratio:** You can set the HHM897 screen shape to match your display or TV. The screen ratio settings are 4:3 (normal) and 16:9 (wide Screen).

To change Screen Ratio, action the following:

1. Press MENU button on the remote control and MAIN MENU will display.
2. Use the UP/DOWN arrow keys and select the sub menu SETTINGS.
3. Press the OK key and a "Input Pin" dialogue box will display. Enter your PIN to access (or the factory default pin 0, 0, 0, 0).
4. Settings page will be displayed.
5. Select AV SETTING and push OK; AV Settings page will display.
6. Screen Ratio is the first sub menu listed.
7. Use the Left/Right arrow keys to select either 16:9 or 4:3.
8. Scroll down to CONFIRM and push OK.
9. Push EXIT 3 times to return to normal TV viewing.



## Output Mode

One of the Sub menus in AV Setting is Output mode. You can select the output type you have selected for your video connection.

## Aspect Ratio:

For your wide screen TV your normal Screen Ratio setting is 16:9 and no adjustments can be made to Aspect Ratio.

If you have a 4:3 TV, in the Screen Ratio setting menu you will have selected 4:3 and within the ASPECT RATIO menu you can change the aspect ratio to Full Screen, Letterbox or Centre Cut.

To change aspect ratio, action the following:

1. Press MENU button on the remote control and MAIN MENU will display.
2. Use the UP/DOWN arrow keys and select the sub menu SETTINGS.
3. Press the OK key and an "Input Pin" dialogue box will display. Enter your PIN to access (or the factory default pin 0, 0, 0, 0).
4. Settings page will be displayed.
5. Select AV SETTING and push OK; AV Settings page will display.
6. Use the UP/DOWN arrow keys and select the sub menu ASPECT RATIO.
7. Use the Left/Right arrow keys to select Full Screen, Letterbox or Centre Cut.
8. Scroll down to CONFIRM and push OK.
9. Push EXIT 3 times to return to normal TV viewing.

## ASPECT Hot Key:

With Screen Ratio set at 4:3 in the menu, the three Aspect Ratio modes can also be accessed via the ASPECT key on the remote control.

## RF Modulator Set Up

The UHF default channel is 38, however if you need to select an alternative UHF channel i.e. from channel 21 to 69, please action the following:

:

1. Press MENU button on the remote control and MAIN MENU will display.
2. Use the UP/DOWN arrow keys and select the sub menu SETTINGS.
3. Press the OK key and a "Input Pin" dialogue box will display. Enter your PIN to access (or the factory default pin 0, 0, 0, 0).
4. Settings page will be displayed.
5. Select AV SETTING and push OK; AV Settings page will display.
6. Use the UP/DOWN arrow keys and select the sub menu RF CHANNEL NUM.
7. Use the Left/Right arrow keys to select your preferred UHF Channel.



8. Scroll down to CONFIRM and push OK.
9. Push EXIT 3 times to return to normal TV viewing.

### Closed Captions

Closed Captions is a method of displaying text on the TV channel to assist the hearing impaired.

1. To action Close Captions push the BLUE key on the remote control.
2. Push the Blue key again to turn off Closed Captions.



### Teletext

The HHM897 includes the facility to receive Teletext when broadcast.

Note: Currently broadcasters are not transmitting teletext.

To access teletext press the TTX key on the remote control.



### EDIT Channels

The Edit Channel Menu allows you to **Sort**, **Delete** and set up **Favorite** Channels.

To access the Edit Channel menu, action the following:

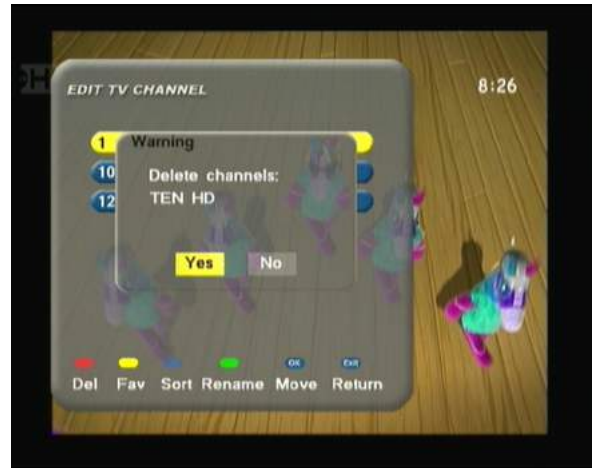
1. Press the MENU Key on the remote control and MAIN MENU page will be viewed.
2. Using the UP/DOWN arrow key select the EDIT CHANNEL sub menu.
3. Push OK and EDIT CHANNEL page will display.
4. With the Edit Channel submenu highlighted press OK.





### Delete - To delete channels

1. Use the UP/DOWN arrow keys on the remote control to select the channels you want to delete.
2. With the channel highlighted, press the RED key and a dialogue box will display: "Warning Delete Channel Yes/No"
3. Select YES and press OK to delete the channel.



### Favourites

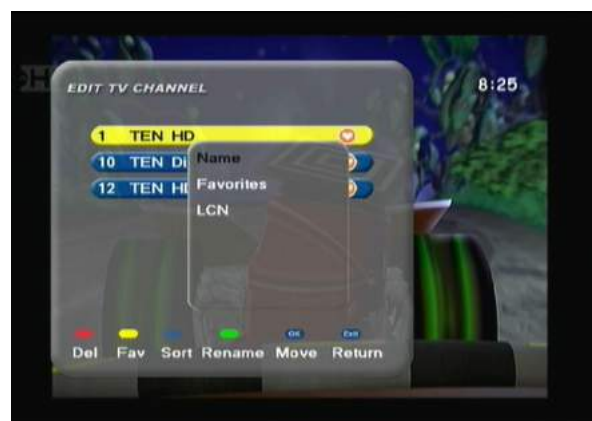
You can identify the channels you would like to have in your Favourites List.

1. Use the UP/DOWN arrow keys on the remote control to select the channels you wish to make favourites.
2. With the channel highlighted, press the YELLOW key on the remote control. You will now note a favourite symbol (heart) beside your selected channel.
3. Continue scrolling to a selected channel and the Yellow key to insert the Favourites symbol.
4. A Favourites channel can be removed from Favourites List by pressing the Yellow button again.
- 5 **FAV Key:** Press the FAV key on the remote control to access your favorites List.



### Sort

You can sort your channels into the following order: Name Up, Name Down, Fav Up, Fav Down.



1. Press the BLUE key and a dialogue box will display.
2. Use the UP/Down arrow key to make your order selection- Your selection will be shown in black print.
3. Press the OK key and the channels will be sorted into your selection order.

Within the Edit Channel menu, once you have completed your actions of Del, Favourites and Sort, press EXIT 3 times to revert to normal TV viewing

### Extended Program Information – Now and Next Via the INFO key

#### NOW:

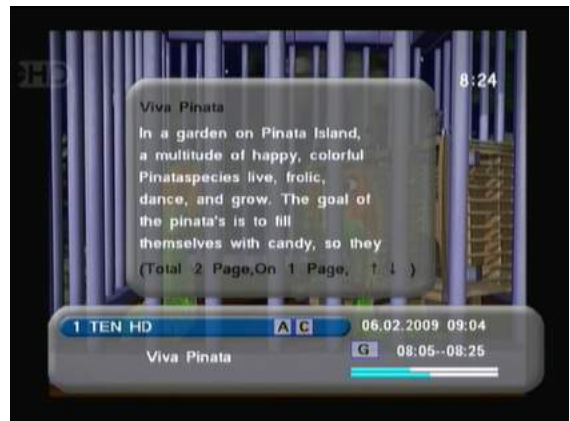
1. Press the INFO key on the remote control to activate the basic program information plate (picture 1).
2. For more detailed information about this program, press the OK key while the basic information plate is displayed (picture 2).

#### NEXT:

1. Press the INFO key on the remote control to activate the basic information plate (picture 1).
2. Press the INFO key again to view NEXT program information (picture 3).
3. For detailed NEXT program information, press the OK key while the basic information plate is displayed (picture 4).



(Picture 1)



(Picture 2)



(Picture 3)

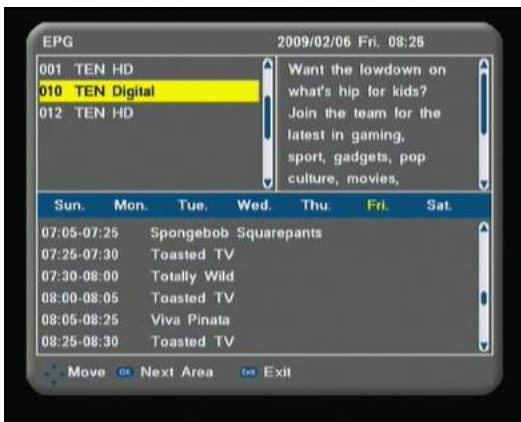


(Picture 4)

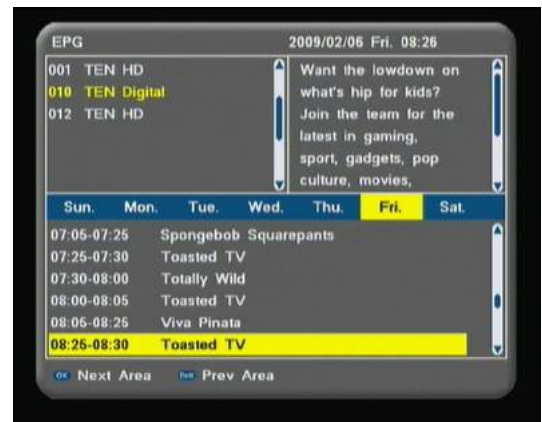
## EPG – Electronic Program Guide Via The EPG Key

EPG is a chronological listing of all available TV broadcasters programming over an extended period (normally 7 days). (Picture 1).

1. Access EPG by pressing the EPG key on the remote control. (picture 1)
2. Use the UP/DOWN arrow keys to select a channel.
3. With channel selected, push OK key.
4. Channel selected will be highlighted in Yellow and you can now use the UP/DOWN arrow keys to view that days program list.
5. As you select each program, the program detail will appear in the top right hand frame. (Picture 2).
6. To see the program list for another day, use the LEFT/RIGHT arrow key to select the day. (Picture 3).
7. To thumb the unfolded depiction of program, press the OK key to turn the left side of information column yellow. (Picture 4).



(Picture 1)



(Picture 2)



(Picture 3)

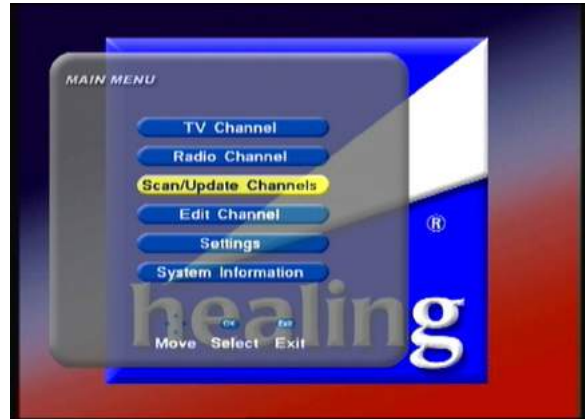


(Picture 4)

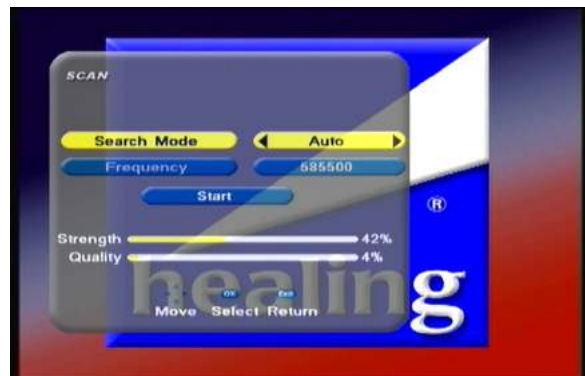
## Auto Scan

You can action an auto scan at any time.

1. Press the Menu key on the remote control and MAIN MENU will display.
2. Use the UP/DOWN key and scroll to SCAN/Update Channel sub menu.
3. Press the OK key to activate. The search mode default option is AUTO.
4. Press the UP/DOWN keys to select START and press OK to commence Auto Scan.



5. Auto Scan will list services found placing them in the information box. As each service is found, information pertaining to that service will display in the information box.



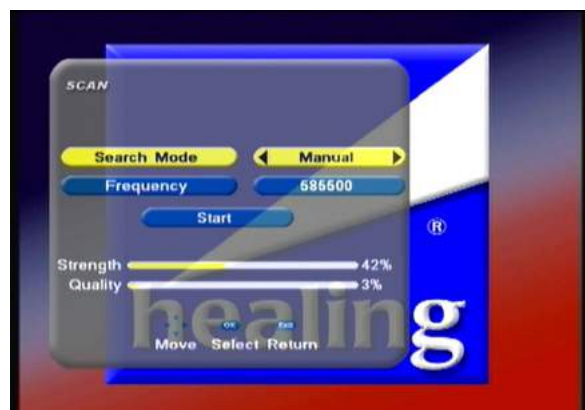
6. On completion, the Process bar shows 100% and the information box shows the number of channels found.
7. Press EXIT key to view.
8. When channels required have been scanned you can press the EXIT key to escape.

## Program Update – Auto

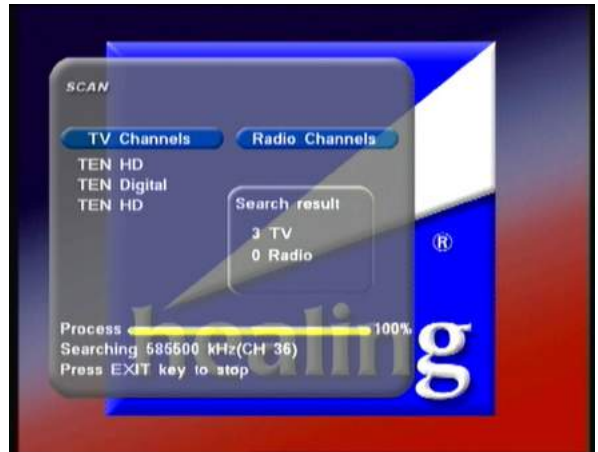
HHM897 detects changes to program line ups within channels, rescans and saves the changes automatically. A brief On Screen message confirms this activity when it occurs. This function virtually eliminates the need for Manual Scan.

## Manual Scan

Select the channel to scan by entering its centre frequency in KHz. A list of this data appears on page 33 at the end of this manual. Scanning manually by frequency enables non-standard channels to also be tuned.



1. Press Menu key and Main Menu page will display.
2. Use the UP/DOWN keys to scroll to Scan.
3. Press the OK key to activate Scan sub menu.
4. Press the LEFT/RIGHT keys to select Manual.
5. Press the UP/DOWN keys to select Frequency.
6. Press LEFT [<.<.<.<.<.<...] to clear Frequency data.
7. Enter centre Frequency of channel to scan in KHz.
8. Press the UP/DOWN key to select 'Start'.
9. Press Ok to commence Manual Scan.
10. Program information pertaining to the channel scanned will display in the information box at the bottom of the screen.
11. On completion press EXIT to return to the 'Main Menu'.



Note: This receiver stores Secondary transmitter or Translator channels found by assigning a 35# prefix to each channel number. This point is helpful to understand as this sensitive receiver can receive channels not intended for your area. As Secondary transmitters are provided to serve people located in difficult reception areas a Primary transmitter can be a more reliable source of your TV signal where possible.

### Audio Mode Selection Via The Audio Key

1. Press the AUDIO key on the remote control and AUDIO CTL menu will be displayed.
2. Press the UP/DOWN arrow key to select from Track and Output.
3. MULAUDIO describes the Audio of the presently tuned channel.
4. Press the OK key to highlight the submenu and use the UP/DOWN arrow keys to make your selection.
5. Push the OK key and your selection will be confirmed by a # symbol.



AUDIO CONTROL extinguishes after 5 seconds or by pressing EXIT.

## Factory Reset

Factory Reset returns the receiver to its default settings

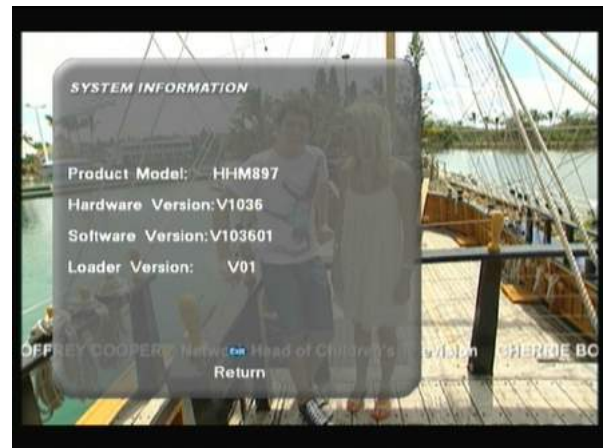
1. Press MENU key and MAIN MENU page will display.
2. Use the UP/DOWN arrow keys and select the sub menu SETTINGS.
3. Press the OK key and a “Input Pin” dialogue box will display. Enter your PIN to access (or the factory default pin 0, 0, 0, 0).
4. Settings page will be displayed.
5. Use the UP/DOWN arrow keys to select FACTORY RESET.
6. Push OK and a dialogue box will display: “Warning All Data Will Be Lost”.
7. To action Factory Reset, push the Red button on the remote control.

WARNING: All Channels, Favourites, Parental Lock and State selection Data will be lost.

8. Receiver will reset to factory default once you confirm.

## System Information:

Provides details of the Firmware Version etc of the receiver.



## **TROUBLESHOOTING:**

Check your receiver with the suggestions below.

<b>PROBLEM</b>	<b>SUGGESTION</b>
No Power	Check the power cord is plugged in - at both ends
No Reception	Check operational antenna cable is properly connected
Receiver not responding to the Remote Control Unit	Check Remote Control batteries and battery contacts
The receiver is not responding to the remote control or front panel	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
I can see the menu but cannot view any channels	First check a functional antenna is properly connected. Then scan for Digital channels available in your area by selecting Main Menu, Scan, Auto and Start.
Receiver On but I cannot see Video or Audio	Check the required AV or HDMI cables are properly connected - at both ends.
After scanning I cannot see all of the channels available in my area	Your antenna system may need to be updated for Digital reception by an experienced specialist.
One or more of my channels 'breakup' while viewing	This also indicates that your antenna may need professional attention
No Audio	<ol style="list-style-type: none"> <li>1. Check the Red and White audio leads from the receiver are properly connected.</li> <li>2. Check the Mute is not activated on the receiver.</li> <li>3. Check the receivers' volume level is high enough.</li> </ol>
Receiver does not display 'Closed Captions' or Teletext	Make sure you have turned Captions on via the Blue key. Allow 30 seconds to commence. Not all programs include Captions. Teletext is not always broadcast. When it is broadcast, it is by 7 Network and some regional broadcasters.

## **SPECIFICATIONS**

- Decodes High Definition and Standard Definition Digital Terrestrial TV & Radio.
- Video Outputs: HDMI, Component YPbPr, S-Video and Composite CVBS.
- Video Resolutions: 1920 x 1080i, 1280 x 720p, 720 x 576p or 720 x 576i.
- RF Modulator: Phase Lock Loop / Channel range 21 to 75 Australian / Pal G
- Aspect Ratios: Widescreen 16:9, Centre Cut 4:3 or Letterbox 4:3.
- Audio Outputs: CD quality Analogue via Red/White RCA's or Digital Optical S/PDIF or Coaxial for AC3 5.1 where broadcast.
- Audio Modes: Stereo, Dual Channel or Mono.
- Teletext via integrated software decoder (page 801) – Where broadcast.
- Closed Captions via Teletext decoder (page 801).
- EPG Information: 7 day SI EIT p/f tables (including crossover).
- Memory 4MB Flash Ram; 64MB Double Data RAM.
- Main Chip SGS Thompson.
- Tuner Sensitivity: Typical -80.6dBm to -82.5dBm.
- Frequency Range: VHF & UHF 175 – 820MHz.
- Channel Bandwidth: 7 MHz.
- Modulation Mode: COFDM 8K or 2K, automatic detection.
- Constellation: QPSK, 16QAM or 64QAM.
- Guard Interval:  $\frac{1}{4}$ ,  $\frac{1}{8}$ ,  $\frac{1}{16}$  or  $\frac{1}{32}$ .
- Software upgrade via RS-232 serial port.
- IR Receiver 38KHz.
- Mains Power AC90-250 Volts @ 50/60Hz.
- Power Consumption rated at 15W, typical 12W, .6W standby
- Energy Safe – MEPS compliant.
- Operating Temperature 0-40°.
- Case Dimension 300mm Wide x 50mm High x 210mm Deep
- Weight: 1.2Kg.

### **Accessories Included:**

1 x Remote Control Unit, 2 x AAA Batteries, 1 x 3RCA-3 RCA AV lead 1.5m  
1 x IEC C7 figure 8 mains lead, 1 x Operating Manual.



**CHANNEL FREQUENCY TABLE**

VHF 3	6	177500
	7	184500
	8	191500
	9	198500
	9A	205500
	10	212500
	11	219500
	12	226500
UHF 4	28	529500
	29	536500
	30	543500
	31	550500
	32	557500
	33	564500
	34	571500
	35	578500
UHF 5	36	585500
	37	592500
	38	599500
	39	606500
	40	613500
	41	620500
	42	627500
	43	634500
	44	641500
	45	648500
	46	655500
	47	662500
	48	669500
	49	676500
	50	683500
	51	690500
	52	697500
	53	704500
	54	711500
	55	718500
	56	725500
	57	732500
	58	739500
	59	746500
	60	753500
	61	760500
	62	767500
	63	774500
	64	781500
	65	788500
	66	795500
	67	802500
	69	816500

## **TWELVE MONTH WARRANTY**

Subject to the conditions stated below, healing digital warrants your new receiver to be free of defects in workmanship and materials for 12 months from the date of purchase. For the period of warranty healing digital's obligation includes labour and materials, but excludes neglect, accident, abuse and transportation to and from healing digital's service station. Healing digital will not be liable for consequential loss or damage arising from any function of the receiver.

healing digital reserves the right to determine at its sole discretion fault cause. In the event of a claim, proof of purchase in the form of your Tax invoice and this warranty slip may be required. This warranty applies to the original purchaser only and is not transferable. The benefits conferred by this warranty are in addition to rights provided under relevant State or Federal legislation, but excludes any other expressed or implied warranty.

[www.healingdigital.com](http://www.healingdigital.com)

42 Brunel Road, Seaford VIC 3198, Australia



## *HHM897 HD DIGITAL TV RECEIVER*

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