# 

# HD-2800

**User Manual** 



# **SET TOP BOX** Digital receiver

# HD-2800

# **OWNER'S MANUAL**



Read this manual before installation and use.



# SAFETY INFORMATIONS

#### TO REDUCE THE RISKOF FIRE AND ELECTRICSHOCK. DO NOT EXPOSETHIS UNIT TO RAINOR MOISTURE



CAUTION : To reduce the risk of fire and electricshock, do not remove the cover (or backlof

the unit. Refer servicing only togualified service personnel.



The lightning flash with arrowhead symbol, within an equilater "dangerous voltage" within product's enclosure that maybe of sufficient magnitude to constitute a risk ofelectric shock



WARNING: TO REDUCE THE RISK OF FIREOR ELECTRIC SHOCK. DO NOT EXPOSE THIS APPLIANCE TO RAIN ORMOISTURE. CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDEBLADE OF PLUG TO WIDE SLOT AND FULLY INSERT

The apparatus shall not be exposed todripping or splashing, and that no objects filled with liquids, such as vases shall be place on the apparatus. Batteries shall not be exposed to excessiveheat such as sunshine fire or the like

Danger of e plosion if battery is incorrectlyreplaced. Replace only with the

Where the mains plug or a appliancecoupler is used as the disconnect device. in readily operable

#### **IMPORTANT SAFEGUARDS**

In addition to the careful attentiondevoted to quality standards in the manufacture of your videoproduct, safety is a major factor in the design of every instrument. However, safety is your responsibility, too. This sheet lists importantinformation that will help to assure your enjoyment andproper use of the video product and accessory equipment. Please readthem carefully before operation and using your videoproduct.

#### Installation

- 1. Read and Follow Instructions- All the safetyand operation instructions
- 2. Retain Instructions- The safety and operating instructionsshould be
- 3. Heed all Warnings-Comply with all warnings on he video product and in the operating instructions
- Polarization-Some video products are equipped witha polarized alternating-current line plugi. This plug willfinito the power outlet, try reversing the plug. If the plug stillatis to fit, contact your electrician to replace your obsolete outlet. To prevent electricishock, do not use this polarized plug with an extension cord, receptacle.or other outlet unless the blades can be fully inserted withoutblade exposure. If you need an extension cord, use a polarized cord.
- 5. Power Sources- This video product should beoperated only from the of the type of power supply toyour home, consult your video dealer or local power company. For video products intendedto operate from
- Overloading- Do not overload wall outlets orextension cords as this can result in a risk of fire orelectric shock. Overloaded AC outlets, extension cords, frayed power cords, damaged or crackedwire insulation, and broken plugs are dangerous, They may resultin a shock or fire hazard. Periodically examine the cord, and if itsappearance indicated damage or deteriorated insulation, have it replaced by yourservice technician
- Power-Cord Protection- Power-supply cords should berouted so that they are not likely to be walkedon or pinched by items placed uponor against them, paying particular attention to cordsat plugs, convenience receptacles, and the point where they exitfrom the video product.
- 8. Ventilation- Slots and openings in the caseare provided for ventilat to ensure reliable operation of the videoproduct and to protect if from overheating. These openings must not the blockedor povered. The openings should never be blocked by placingthe video product on a bed, sofa, rug, or heat register. Thisvideo product should not be placed in a built-in installation such as abook case or rack, unless proper ventilation is provided or the video productmanufacturer's instruc
- 9. Attachments- Do not use attachments unless reco mendedby the video

- 10. Water and Moisture- do not use thisvideo product near water for example near a bath tub, wash bowl, kitchensink or laundry tub, in a wetbasement, or Powerline operated equipment or accessories connected tothis unit sh modified so as to defeat the safetyfeatures. This will help avoid any andshould not be modified so as to defeat the safety features. This will help avoidant potential hazard from electrical shock or fire. If in doubt, contact gualified
- The exclamation point within an equilateraltriangle is intended to 11. Accessories- Do not place this video producton an unstable cart, stand, tripod, alert the user to the presence ofimportant operation and servicing bracket, or table. The video product mayfall, causing serious injury to a childon Accessiones do not pade any video productor an unstance car, stanto, diploo, bracket, or table. The video product mayfall, causing serious injury to a childer adult as well as serious damage tothe video product. Use this video product only with a cart, stand, tripod, bracket,or table recommended by the
  - Lia A video product and cart combination shouldbe moved with care. Quick stops

Note to CATV system installer

This reminder is provided to call theCATV system installer's attention to Section 820-40 of the NEC which providesguidelines for proper grounding and, in particular, specifies that the cableground shall be connected to the grounding system of the building, as closeto the point of cable entry as

- 12. Outdoor Antenna Grounding- If an outside antennaor cable system is connected to the video product, be surethe antenna or cable system is grounded so as to provide some protectionagainst voltage surges and built-up static charges. Section 810 of the NationalElectrical Code, ANSI/NFPA No.70-1984 [Section 54 of Canadian Electrical Code, Part1] provides information with respect to proper grounding of the mastand supporting structure, grounding of the lead-in wire to an antenna-dischargeunit, connection to grounding
- 13. Power Lines-An outside antenna system should notbe located in the vicinity of overhead power lines, other electric light orpower circuits, or where it can fall into such power lines or circuits. Wheninstalling an outside antenna system, extreme care should be taken to keepfrom touching or approaching such power lines or circuits, as contact withthem might be fatal. Installing an outdoor antenna can be hazardous and shouldbe left to a professional

- Cleaning- Unplug this video product from thewall outlet before cleaning. Do not use liquid cleaners or aerosokleaners. Use a damp cloth for cleaning
- Objects that may touch dangerous voltage pointsor 'short-out' parts could result in a fire or electric shock. Never spilliquid of any kind on the videoproduct.
- 16. Lightning-For added protection for this video productduring a lightning storm, or Eignning i of used plottend normal video productioning angling magning acom, or when it is left unattended and unused for long periods of time, unplug liftom the wall outlet and disconnect the antenna orcable system. This will prevent damage to the video product due to lightning andpower line surges.

- Service
   Servicing-Do not attempt to service this videoproduct yourself, as opening or removing covers may expose you to dangerousvoltage or other hazards. Refer all
- 18. Conditions Requiring Service-Unplug this video product from the wall outlet and refer servicing to qualified service personnel underthe following conditions: A.When the power-supply cord or plug isdamaged.
  - B.If liquid has been spilled, or objectshave fallen into the video product C.If the video product has been exposed to rain or water.
  - D.If the video does not operate normallyby following the operating instructions. Adjust only those controls that are covered by operating instructions. Improper adjustment of other controls may resultin damage and will often require extensive work by a qualified technicianto restore the video product

E.If the video product has been droppedor cabinet has been damaged. F.When the video product exhibits a distinctchange in performance-this

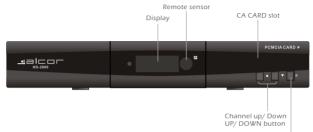
- 19. Replacement Parts-When replacement parts are required, have the service manufacturer can prevent fire electric shock orother bazards
- 20. Safety Check-Upon completion of any service orrepairs to this video product, ask the service technician to perform safety checks recommended by the manufacturer to determine that the video product is insafe operating condition
- 21. Wall or Ceiling Mounting- The product shouldbe mounted to a wall or ceilingonly
- Heat-The product should be situated away fromheat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that products heat.

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# INTRODUCTION

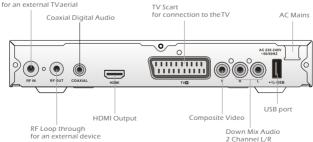
#### Front panel



Standby button

#### **Rear panel**

#### TV aerial





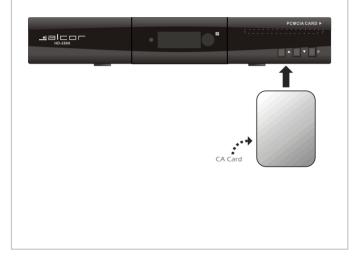
#### **CA Interface**

Although some TV and radio services are freeto air, others are available on a subscription basis and can only beenjoyed via a Conditional Access component.

#### **Inserting a CA card**

It is suitable for Conaxcoding system.

- 1. Open the right-hand flapon the front panel of the product to expose thecard slot. 2. Insert the CAcard into the slot.





#### **Remote control**



- POWER (switch the STB onand standby)
- Numeric entry (Enter numeric values and selectthe channel directly by entering it's number)
- INFO (Press for current channel information)

- MEDIA (Enter Recorder menu) G USB (Enter File Manager) RECORD (Record the TV program) FPG (Open up Electronic Program GuideMenu) PLAY 9 PAUSE(Pause/Active timeshift function) Previous/Next Cursor/CH+, -/VOL+,-(Cursor: Navigation buttons used tonavigate menu's itemsi (CH+/-: Channel Up and Down) (VOL+/-: Volume Up and Down) Menu (Open and close the menuscreen) 13 TTX (Open interactive service) 11 TIMER (Timer wake-up) 10 MUTE (Turn off/on the volume) BACK (Switch to previous channel) AUDIO (Select audio mode and audiotrack) TV/RADIO (Switch between TV and Radio) B SUBTITLE (On/Off Subtitle)
  - STOP (Stop program playback orrecording)
  - 3 Search backward / forward
  - OK button (Confirm a selection within amenu)
  - (2) EXIT (Exit from menu)
  - RES (Switch HDMI resolution)
  - FAV (Open the Favorite list)
  - RED/GREEN/YELLOW/BLUE Buttons (For interactive function/Submenu function buttons)

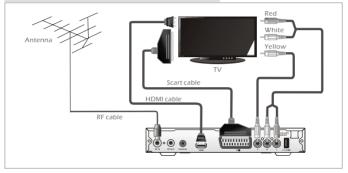


# SYSTEM CONNECTION

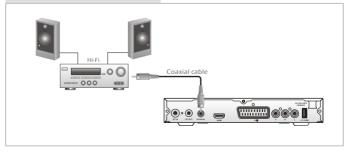
#### General

There are many different types of TV and other equipment that you can connect to the STB. In this manual you will see some of the most common ways to connect your equipment.

#### **Connecting the TV**



#### **Connecting a HiFi system**





#### ② Press "UP'or " DOWN " button to highlight "Installation", press "RIGHT" button to enter the Installation menu. ③ Press "UP" or "DOWN" cursor button to highlight thedesired i

1) Press the "MENU" button to enter main menu.

- ③ Press "UP" or "DOWN" cursor button to highlight thedesired item and press "OK"button to enter the sub-menu.
- ④ Press "EXIT" button to exit.

#### Auto Scan

- ① Select the "Auto Scan", press "OK" button to enterthe Auto Scan menu.
- Press the cursor button to set "FTA Only", then highlight "Search", press the "OK" button to start auto scan.

#### Channel Scan

- Select "Channel Scan", press the "OK" button to enterthe Channel Scan menu.
- Press cursor button to set Scan mode, ScanBand, Channel No., Frequency and Bandwidth, then highlight "Search", press "OK" button to start channel scan.



- ① Select the "Aerial Adjustment", press"OK" to enter the Aerial Adjustment.
- Press the cursor button to set the desired setting. When "Tuner Power" is selected "On", the STB willprovide 5V power to antenna. It will not rewide when selected "Off"
  - It will not provide when selected "Off".

# 5 English



If LCN(Logical Channel Number) Select function is activated, youcan't change the original number of TV channels by scanning.

You can activate/disactivate the LCN function by setting the "LCN Mode" to on/off.





Auto Scan

FTA Only Search

4

Channel Scan Aerial Adjustment LCN





GETTING STARTED

#### Welcome

Installation

If you use the STB for the firsttime, the "Welcome" menuappears. Press cursor button to setupthe Region, Language, Display Mode and Aspect Mode.

Highlight "OK" and press the "OK" button to start channelsearch.

# OPERATION

#### **Changing Channels**

There are three ways of channel selection - stepping through the channel list, selection by number and from the on-screen channel list.

Stepping through the channellist:

To move through thechannel list, press the upwardarrow or downward arrow keyon the remote control.

② Selected by number:

Enter the channel number directlyby pressing numeric buttons ,andpress the "OK" button to select desired channel.

③ <u>Selected by on-screen channelslist:</u> You can also selectthe required channel directly from on-screen channel list. This is displayed using the STB'smain menu. See "EditChannel' in this manualfor operation detail.

#### Accessing the Electronic ProgramGuide (EPG)

Accessing the EPG of all channels:

1 Press "EPG" button toenter EPG menu.

Press cursor button to switch between channel list, events schedule of the selected channel and now/next events.

- ③ Press "Green" button to Timer the events.
- ④ Press "Red" button to display" Time Bar" menu.

0010 BBC FOUR		
Auntie's War on Smut 01:30-02-30		
3/19 01:30 02:00	0 02:30 03:	00
0011 CBeebie This is CBeebies! 0012 301	ons Questions The R	ecor
Time	Detail Time	r



# EDIT CHANNEL

#### Edit Channel menu

- 1 Press the "MENU" button to entermain menu.
- Press "UP" or "DOWN " buttonto highlight "Edit Channel", press "RIGHT" button to enter the EditChannel menu.
- ③ Press "UP" or "DOWN" cursor button to highlight the desired item and press "OK" button to enterthe sub-menu.
- ④ Press "EXIT" button to exit.

#### **TV Channel list**

- In the Edit Channel menu, select "TV Channel List", press"OK" button to enter TV channellist menu.
- Press "UP" or "DOWN" button to highlight channel, press the "OK" button to preview the desiredTV channel.

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

- Press "FAV" button, then press "OK" button to edit the FAV function.
- Press "color" button, then press "OK" button to edit the corresponding function.





#### **Radio Channel list**

- In the Edit Channelmenu, select "Radio ChannelList", press "OK" buttonto enter the Radio Channel list menu.
- Press "UP" or "DOWN" buttonto highlight channel press the "OK" button to listen the desired TV channel.

NOTE: Basically, the operation of 'RadioChannel List' is the sameas 'TV Channel List', but there is one pointdifferent: In 'Radio Channel List' mode, there is no view window. information, so it will alwaysdispay Radio's logo in theright side preview window.





# SYSTEM SETUP

#### System setup menu

System setup menu allows usto set Language, TV System, Local Time Setting, Timer Setting, Conax ConditionalAccess, Parental Lock, OSD Setting, Favorite and Auto Standby,

- Press the "MENU" button toenter main menu.
- Press "UP" or "DOWN" button to highlight "System Setup", press "RIGHT" button to enterthe System Setup menu.
- (3) Press "UP" or "DOWN" cursorbutton to highlight the desired item and press "OK" buttonto enter the sub-menu.
- ④ Press "EXIT" button toexit.

#### Language

This menu allows you toset Language.



#### **TV** System

This menu allows us toset Video Resolution, Aspect Mode, Video Output and Digital AudioOutput.

Video Resolution: 576i/576p/720p/1080i/1080p Auto/4:3PS/4:3LB/16:9

Aspect Mode:

Video Output: HDMI/RGB

Digital Audio Output: LPCM Out/ BS Out



#### **Local Time Setting**

This menu allow	ws you toset the region and time.	K	Local Time S	etting 🚬
<u>Region:</u> Th <u>GMT Usage:</u> Th	is menu is used for changing the regionsetting. his menu is used foropen the usage of GMT. he options are :Off / On	47 ***	Region GMT Usage GMT Offset Summer Time Date	✓ France On GMT+01:00 Off xxxx/xx/xx
in Tr	nis menu is valid onlywhen selected "Uesr Define" I GMT Usage menu. ne GMT offset rangeis "-11:30 ~ +12:00", increasing alf hour progressively.		Time xxxx,xxx,xxxx	01:51
	Date" and "Time" menus arevalid only when selected "Of ress numeric button to inputthe time.	f"in Gl	NT Usage m	enu.



Language First Audio

le Language

English



#### **Timer Settina**

This menu allows us to set the programtimer. You can set 8 timers.				
Timer Mode: Timer Service: Wakeup Channel: Wakeup Date: Wakeup Time: Duration:	Off/Once/Daily/Weekly/Monthly Channel/Record You can select a desired channel as the wakeup channel. Press numeric button to input date. Press numeric button to input the time. Press numeric button to input the duration time.	Timer Mode Timer Service Wakeup Channel Wakeup Date Wakeup Time Duration Save	Daily     Channel     BBC FOUR     xx/xx/xxxx     xx:xx     xx:xx     Cancel	

#### **Conax Conditional Access**

Conax Conditional Access menucontains Subscription Status, Event Status, Tokens Status, Change CA PIN, Maturity Rating, About Conax CA

1 Press "UP" or "DOWN" cursorbutton to highlight the desired item and press "OK" buttonto enter the sub-menu. 2 Press "EXIT" button toexit.



#### Parental Lock

This menu allows you to protect menu and channel and change the Password

- (1) In "System Setup" menu, select "Parental Lock" and press "OK" button, you are asked to input a password/the default password is "0000").
- After inputting the correct password by pressing numeric buttons, the parental lock menu appears.

To lock the Edit channel/ installation/System setup/ Tools/ Menu Lock: REC menu. When you want to enter thesemenus, you must input the password. You can set menu lockto on/off.

Channel Lock: Off/ AGE 10/AGE 12/AGE 16/AGE 18

New Password: To change the password.

Confirm Password: To confirm the new password.



#### **OSD** Setting

This menu allows you to set OSD Timeout, OSDTransparency and load default OSD setting.

OSD Timeout: 1-10

OSD Transparency: To set the OSD transparency to Off/10%/20%/30%/ 40%.

Load Default OSD Setting: To clear all OSD setting and reset parameters as default value.





GHIJKL

MNOPQR

STUVWX

YZ0123 456789

SP ? <- OK

CAPS Del OK

Fav group 2 Fav group 3

Favgroup 4 A B C D E

Fav group 5

Fav group 6

Fav group 7

12

#### Favorite

This menu allows you to rename the favorite group.

- ① In Channel menu, select "Favorite", press "OK" button to enter Favorite menu.
- ② Select desired group, press 'OK' 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 Favorite group name successfully.
- ③ Press "EXIT" button to quit the group rename menu.

#### **Auto Standby**

- On No command to STB on front panel or Remoter in 3 hours and no timer event, the STB will enter standby mode automatically.
- Off The STB can't enter standby mode automatically.



#### **Tools** main menu

- Press the "MENU" button to enter main menu.
- Press "UP" or " DOWN " button to highlight "Tools", press "RIGHT" button to enter the Tools menu.
- ③ Press "UP" or "DOWN" cursor button to highlight thedesired item and press "OK" button to enter the sub-menu.
- ④ Press "EXIT" button to exit.

#### Information Load Factory Setting SW Upgrade by OTA Upgrade by USB Remove USB device safely Mailbox

#### Information

This menu can display some parameters in thisSTB.

- In "Tools" menu, select "Receiver Information", press "OK" button to open receiver information window.
- Press "EXIT" button to exit.



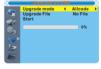
This menu allows you to re-set the STB back to factory settings, clear all existed channels.

- ① In the "Tools" menu, select "Load Factory Default", press"OK" button. You are asked to input a password(the defaultpassword is"0000").
- A confirmation window is displayed. Select "Yes" to return back to factory settingsand clear all channels. Select "No" to cancel back to factory settings.
- ③ Press "EXIT" button to exit.

#### Software Upgrade

We offer the functions foruser to upgrade software version by OTA or by  $\ensuremath{\mathsf{USB}}$  .

- ① Enter "Tools" menu, select "S/WUpgrade by OTA" or "Upgrade by USB", press "OK" button, Software Upgrade menuis shown.
- Press cursor button to select the desired item, then highlight "Start" and press "OK" button to start upgrade.
- ③ Press "EXIT" button toexit.







.oad Factory Setting

This operation will load default and erase all the channels that user added, the system wil reboot, continue?



#### **Remove USB device safely**

In "Tools" menu, select"Remove USB device safely", Press "OK" button to confirm.Then a window is displayed. Press "OK" button again.



#### Mailbox

In "Tools" menu, select "Mailbox", Press "OK" button to entermailbox menu.





## GAME

#### Game

This menu allows youto play games.

- 1 Press the "MENU" button toenter main menu.
- Press "UP" or "DOWN" buttonto highlight "Game", press "RIGHT" button to enter the Gamemenu.
- ③ Press "UP" or "DOWN" cursorbutton to highlight the desireditem and press "OK" button toenter the game.
- ④ Press "EXIT" button to exit.

		Game	- XI
	Othello Sudoku		
1			
2-			
-			



#### **REC** main menu

- Press the "MENU" button toenter main menu.
- Press "UP" or "DOWN" buttonto highlight "REC", press "RIGHT" button to enter theREC menu.
- ③ Press "UP" or "DOWN" cursorbutton to highlight the desireditem and press "OK"button to enterthe sub-menu.
- ④ Press "EXIT" button toexit.





This function allows you toplay files from USB port.

- (1) In "Tools" menu, select "USBDevice", press "OK" button toenter Media Player menu.
- Press "UP" or "DOWN" cursorbutton to select a desireditem, and press "OK" buttonto play the desiredfiles.
- ③ Press "EXIT" button toexit.



#### **Record Manager**

This menu allows you to play the record files

- In "REC" menu, select "Record Manage", press "OK" button to enter Record Manage menu.
- Press "UP" or "DOWN" cursor button to select a desired item, and press "OK" button to play the desired files.
- ③ Press "EXIT" button to exit.



#### **DVR HDD Information**

This menu can display some parameters of Removable Disk.

- In "REC" menu, select "DVR HDD Information", press "OK" button to open DVR HDD information window.
- 2 Press "EXIT" button to exit.





#### **HDD** Format

This menu allows you to format the disk.

- ① In "REC" menu, select "HDD Format", press "OK" button to open HDD Format menu.
- (2) Highlight "Storage Partition", press "LEFT" or "RIGHT" cursor button to change Partition.
- Highlight "Format", press "OK" button, a window appears. Select FAT/NTFS, press "OK" button to format. Select "Cancel", Press "OK" button to cancel.

	HDD Form	nat
47 47 80	Volume Total Free Used File System Storage Partition	no name xx.xxGB xx.xxGB xx.xxGB FAT32 USB Partition1
	Form	

eshift to Record

USB F

Record Type Record Selection

#### **DVR Configuration**

This menu allows us to set the DVR Configuration. Press "UP" or "DOWN" cursor button to select desired item, press "LEFT" or "RIGHT" cursor button to change the setting.

- TimeShift On/Off
- Timeshift to Record On/Off
- Record Type TS/PS
  TS: Transportation stream which includes information like
  teletext, subtitle, epg etc.
  PS: Program stream which will be packeted with the file

format of \*.mpg and be also playbacked by PC or other devices.

- Record Selection You can press "LEFT" or "RIGHT" cursor button to change Selection.
- Standby after record On/Off



### TIMESHIFT/RECORD

Plugging an external Mass StorageDevice on the USB portgives you access to TimeShift/Record a broadcast programme.

- Pause a broadcast programmeand continue watching it later(Time Shift)
- Record a broadcast programme.
- When the space available on the Mass Storage Device runsout, recording operation of broadcast will stop.

#### NOTE:

Please use USB 2.0 disk when recording or timeshift. For timeshift and recording feature, you need take bigger size USB per driver or HDD I>2GBI for recording.

#### Timeshift

#### Initiate

- Time Shift can be donein viewing mode by pressing the "PAUSE" button.
- Press "RIGHT" or "LEFT" button to move the cursorto the time you desired toview. Press "OK" button toconfirm.

	-	BBCFOL	IR		03/19 (	01:36
	Play	00:02:37	-	 -	00:07:12	_2%
L				Т	s	

#### Trickmodes

During the playback, it ispossible to perform thefollowing actions :

- Press "PAUSE" button to pausethe playback
- Press "FORWARD" button tofast forward the playback
- Press "BACKWARD" button torewind the playback

#### Stop the Time Shift

Press "STOP" button tostop TimeShift.



#### Instant record

- In viewing mode, press "RECORD" button to instantaneouslystart a record on the current channel.
- If "RECORD" button is pressed again, the instant record switchesto duration mode. Press "STOP" button tostop recording, then a confirmation window appears.
- Select "Yes" to stoprecording. Select "No" to continue recording.

#### NOTE:

Please select famous brand USB 2.0 USB HDD or USB stick for Recording and Timeshift, such as SAMSUNG, HITACHI and SONY. Some USB devices maybe can't be supported due to its quality.



# TROUBLESHOOTING

In some region, the digital terrestrial signal may be weak. So you'd better use the antenna in which the booster was built, for watching the weak signal channels.

Problem	Possible cause	What to do
Standby light not lit	Mains lead unplugged Mains fuse blown	Check mains lead Check fuse
No signal found	Aerial is disconnected Aerial is damaged/misaligned Out of digital signal area	Check aerial lead Check aerial Check with dealer
No picture or sound	Scart/AV is not selected onyour TV	Reduce to another channel
Scrambled channel message	Channel is scrambled	Select alternative channel
No response to remote control	Receiver off Handset not aimed correctly Front panel obstructed Hand set batteries exhausted	Plug in and turn onplug Aim handset at front panel Check for obstructions Replace handset batteries
Forgotten channel lock code		Re-install channels to cancel channel lock
Forgotten menu lock code		Contact help line
The remote control will not operate your STB	<ol> <li>The batteries inyour remote control need replacing</li> <li>There is an obstruction blocking the signal path between the remote control and the box.</li> </ol>	<ol> <li>Replace the batteries</li> <li>Check that there is nothing in the way of the pathbetween the remote control and the receiver</li> </ol>
After moving the STBto another room you find you are no longer ableto receive digital reception	The aerial feed formernew point may come through a distribution system which may reduce the digital signal now received bythe box.	Try a direct feed from the antenna



# SPECIFICATIONS

TUNER & CHANNEL	<ul> <li>RF INPUT CONNECTOR x1 (IEC-TYPE, IEC169-2, FEMALE)</li> <li>RF OUTPUT CONNECTOR x1 (IEC-TYPE, IEC169-2, MALE (LOOPTHROUGH))</li> <li>FREQUENCY RANGE: 174MHz~230MHz(VHF) 470MHz~862MHz (UHF)</li> <li>SIGNAL LEVEL: -15 ~ -70 dbm</li> </ul>
DECODER	
<ul> <li>Video decoder</li> <li>Audio decoder</li> <li>INPUT RATE</li> <li>VIDEO FORMATS</li> <li>VIDEO OUTPUT</li> <li>MODULATION</li> </ul>	MPEG-2 MP@HL, AVC/H.264 HP@L4.1 MPEG-1 Layer 1,2/PCM/HE-AAC V1.0 ICE958 SPDIF/ AC3 MAX. 48Mbit/s 4:3/,16:9 SWITCHABLE HDMI, RGB QPSK,16QAM,64QAM
CONNECTION • MAIN POWER CABLE • TUNER • SCART • SPDIF • DATA PORT • RCA OUTPUT • HDMI	FIXED TYPE ANTENNA INPUTx1, RF OUTPUTx1 TO TV x1 COAXIAL x1 USB slot V/L/R x1 HDMI OUTPUT x1
POWER SUPPLY <ul> <li>INPUT VOLTAGE</li> <li>POWER CONSUMPTION</li> </ul>	AC220~240V, 50/60Hz MAX. 8W

NOTE:

Design and Specifications are subject to change without notice.



# Infopatika

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