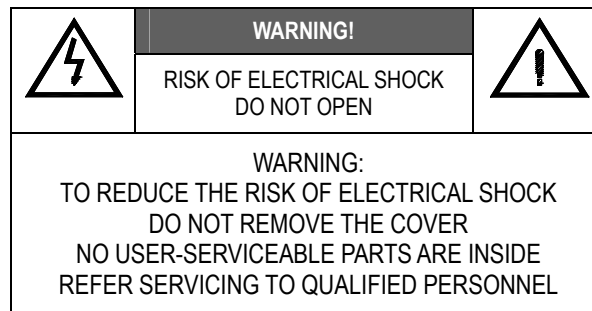


Safety First

Please review the following safety precautions. If this is the first time to use a high definition satellite receiver, then read this manual before installing or using this receiver. If the receiver is not functioning properly, please contact your local distributor or system installer.



The lightning symbol in a triangle is used to alert you to the presence of dangerous voltages inside the receiver that may be sufficient to constitute a risk of electric shock to anyone opening the case. It is also used to indicate improper installation or handling of the receiver that could damage the electrical system in the receiver or in other equipment attached to the receiver.



The exclamation point in a triangle is used to alert you to important operating and maintenance instructions. Failure to follow these instructions could result in injury to you or damage to the receiver.



Be careful with electricity:

- **Power outlet:** To prevent electric shock be sure the electrical plug used on the receiver's power cord matches the electrical outlet used to supply power to the receiver. Connect the power cord only to a power source that operates at 100~240 Volts AC, 50/60 Hz.
- **Power plug:** If a three-prong power plug is provided with the receiver, be sure it is used with a properly grounded three-wire power socket.
- **Power cord:** Be sure the power cord is routed so that it will not be stepped on or pinched by heavy items.
- **Power overloading:** Avoid overloading electrical outlets or extension cords, which otherwise could result in electric shock or fire.
- **Lightening:** For protection from lightening, or when the receiver is left unattended for a long period, disconnect it from the power source.
- **Protect other equipment:** Unplug the receiver before connecting any other equipment, especially the dish antenna connect all equipment to the receiver before plugging any power cords to the power source.



Also follow these precautions:

- **Ventilation:** Do not block the ventilation slots on the receiver, or place any heavy object on top of it. Blocking the airflow could damage the receiver. Arrange components so that air can flow freely around the receiver. Ensure that there is adequate ventilation if the receiver is placed in a stand. Put the receiver in a properly ventilated area, away from direct sunlight or any source of heat.
- **Overheating:** Avoid stacking the receiver on top of a hot component such as a power amplifier.
- **Risk Of Fire:** Do not place the receiver on top of any easily combustible material, such as carpet or fabric.
- **Proper Connections:** Be sure all cables and equipment are connected to the receiver as described in this manual.
- **Object Entry:** To avoid electric shock, never stick anything in the slots on the case or remove the cover.
- **Water Exposure:** To reduce the risk of fire or electric shock, do not expose the receiver to rain or moisture.

◆ **Approvals** : Full CE safety & EMC approvals.

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RECEIVER FEATURES

This receiver is a fully MPEG 2 compliant High Definition receiver, capable of receiving Free-to-Air and coded Satellite High Definition and Standard Definition TV programs transmitted from any Satellite KU Band transponder. Just follow the friendly On-Screen Display (OSD) to guide you through all the steps necessary to configure your receiver; then begin enjoying all the high definition channels with crisp picture quality and the crystal clear sound.

The key features of the QS receiver series are described below.

- Front Panel** The front panel of the receiver includes important LED indicators, four cursor keys, menu/ select key and exit key. You can operate the receiver directly by using these buttons on the front panel.
- Remote Control** The remote control provides access to full range of system features. In addition to providing access to high definition TV programs with channel and volume controls, it can be used to operate all the system menus.
- System Menus** All the receiver's features can be accessed through the system menus. These menus can be used simply by pointing and clicking, you can navigate through all the options in the menu and press "Select" button on the remote control or "Menu/Select" button on the front panel.
- Audio Options** The receiver includes standard audio options such as Dolby Digital, stereo or mono sound to match the broadcast signal or your home entertainment stereo system. Other audio options may be supported by your service provider, such as selecting alternate languages, or different commentators for sports events.

Set Up Reception System

If your service provider or system installer has already set up the dish and connected it to the receiver, then you may want to skip this section. However, if you are setting up the system by yourself, please read this section through "Connecting To Audio Video Devices" on page 11, and be sure you follow all the precautions listed under "Safety First".

Note: Installation procedures for dish and related equipments are not covered in this manual

Package Contents

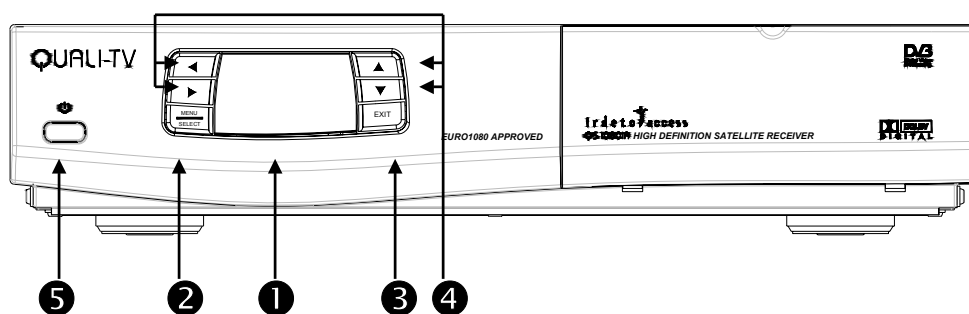
Unpack the receiver and verify that all of the following items are included. Remember to keep the packaging in case you need to return the receiver for repair or upgrade. Examine all the items to ensure that nothing has been damaged during shipment. If any of the items is damaged, please contact your service provider or local distributor before continuing with installation.

- QS 1080IR High Definition Satellite Receiver
- Remote Control (with 2AAA batteries)
- Audio/Video cable with RCA jacks
- Component Video cable (Y/Pb/Pr)
- This user's manual

Description of Equipment

QS 1080IR High Definition Satellite receiver series are designed to receive free-to-air or conditional access protected programs from Satellite. The receiver can be operated via remote control or directly from front panel as indicated in the following pages. The receiver also provides a wide variety of options for connecting it to your TV and other home entertainment equipment such as Video (RCA), DVI , RGBHV , YPbPr , optical SPDIF and SCART connectors.

FRONT PANEL



1 LED Display

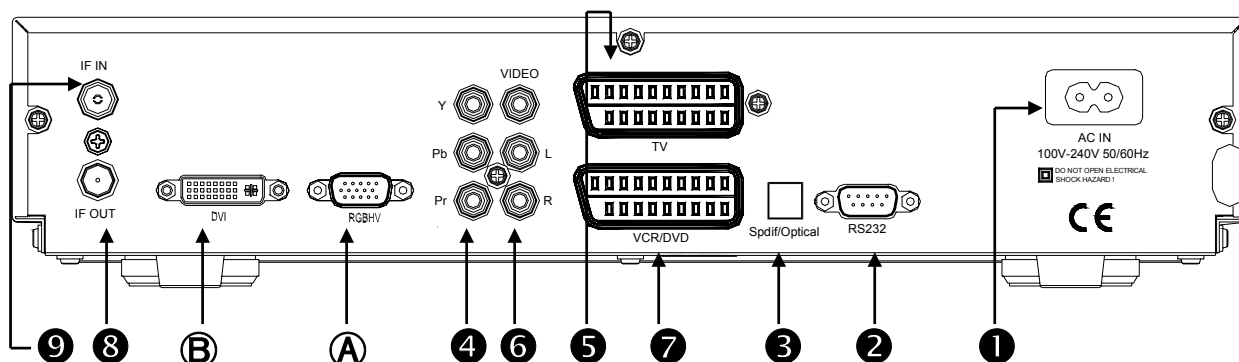
4 Cursor Keys

2 MENU / SELECT

5 Power on / off

3 EXIT

REAR PANEL



1 MAINS Entry

AC power input, 100-240V
50-60 Hz

7 VCR / VCD SCART

Connect your DVD or VCR to this
SCART connector

2 RS-232

For software upgrades via the PC

8 IF OUT

Connect your second satellite receiver
to this output

3 OPTICAL SPDIF output

Connect your Audio amplifier with
the SPDIF Fiber Optic input

9 IF IN

Connect your Dish installation to this input

4 Y/Pb/Pr

Connect it with HD or Widescreen
Display's Y/Pb/Pr video inputs

A VIDEO VGA output

Connect it to your display's
VGA input connector

5 TV SCART

Connect it to your display's
SCART input connector (SDTV only)

B VIDEO DVI output

Connect it to your display's
DVI input connector

6 VIDEO / L / R output

Connect to your display's
Video / L / R input RCA jacks

REMOTE CONTROL

The remote control provides easy access to all of the receiver's functions, including selecting channels and using the menus. It uses infrared signals, and must be operated within seven meters from the receiver. When using the remote control, be sure there is a direct line of sight to the receiver. Also note that although the receiver can be operated from the buttons on the front panel, some of the receiver's functions can only be accessed using the remote control. The batteries for remote control are packaged separately; please install these batteries in the remote control before using the receiver. Note the +/- signs on the batteries to ensure that the batteries are inserted with the correct polarity into the remote control. To avoid damage to the remote control, discard any depleted or old batteries.



The buttons on the remote control have the following functions

- **Mute** Mute the audio
- **TTX** Start Teletext or subtitling
- **Numeric Buttons** For entering channel numbers or password
- **Standby** Switches the receiver between ON and STANDBY modes
- **Info** Displays I-Plate, providing information about the current channel
Press "Info" button key two times for extra information about the Current and next program.
- **Audio** Toggles between multi-lingual Audio soundtracks
- **Menu** Activates the On-Screen Menu
- **List** Displays the complete channel/program list
- **Fav.** Displays the Favorite channel list
- **Cursor buttons** To move through menus or submenus
- **Select** Selects the highlighted menu or submenu item
- **CH+/CH-** Provides channel up and down functions
- **Vol+/Vol-** Increases or decreases audio volume
- **A.Ratio** Adjusts the aspects ratio between 16:9 and 4:3
16:9 (4:3 pillar box)
4:3 (16:9 letter box)
4:3 (16:9 crop)
- **PIP** The receiver is tuned to and allows displaying the second program on the TV screen
- **TV / Radio** Selects between TV program or Radio program
- **V.Format** Press once, display current resolution. Press again toggle between 1080i, 720p, 576p and PAL video format
- **Red button** Change to the next satellite and it's channel list by pressing the red button.
- **Yellow but.** Press once, display output mode: YpbPr or RGB. Press for 5 secs, change the output mode.
- **Blue button** Start the Electronic Program Guide.



INSERT THE SMART CARD INTO THE DECODER

The smart card is licensed to your service provider. If you want to view conditional access programming, you must insert a smart card in the slot. Insert the card all the way into the slot with the gold plated contact points on the card facing down and pointing towards the decoder. The QS1080IR receiver series support Irdeto Conditional Access cards.

USING YOUR SMART CARD

Your service provider may encrypted some of its satellite channels. To view these channels, you have to purchase an access package from your service provider. You also need to be sure that the smart card has been inserted into the slot on the front of the decoder. The Smart Card is used to identify your decoder to the service provider and authorize you to de-scramble satellite signals.

The QS 1080IR satellite decoder includes one smart card slot. Before inserting a smart card into these slots, please note the following precautions:

- Do not bend or twist the card.
- Keep the card out of direct exposure to sunlight or any other heat sources.
- Do not remove/insert the card repeatedly into the slot.
- Clean the card only with soft dry tissue. Do not use liquids or detergents to clean it.
- Record the card number for future reference in case the card is damaged or lost.
- If the card is damaged or lost, contact your service provider for a replacement.

PHYSICAL INSTALLATION

Please always remember to disconnect the satellite decoder from the power source prior to connecting or disconnecting the cable to the LNB (on the satellite dish).

When the decoder is connected to the satellite dish, it may supply voltage to the LNB. You should therefore disconnect the decoder from the power receptacle before attaching the LNB or any other equipment.

MENU MAP

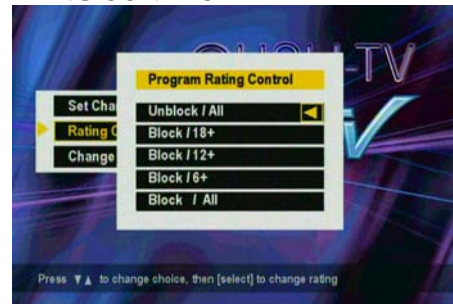
MAIN MENU



SET CHANNEL



RATING CONTROL



FAV. & LOCK



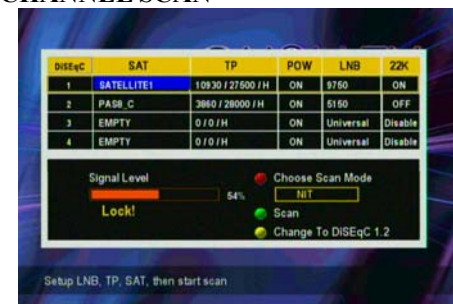
CHANGE PIN



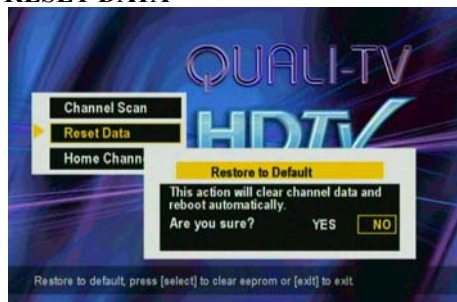
INSTALLATION



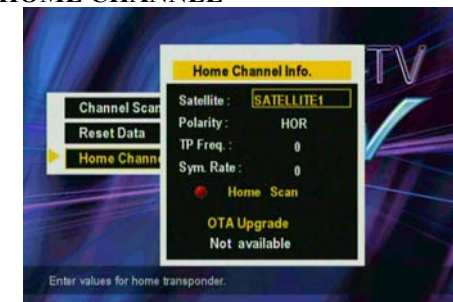
CHANNEL SCAN



RESET DATA



HOME CHANNEL



SYSTEM



PASSWORD



VIDEO SETUP



AUDIO SETUP



TIME SETTING



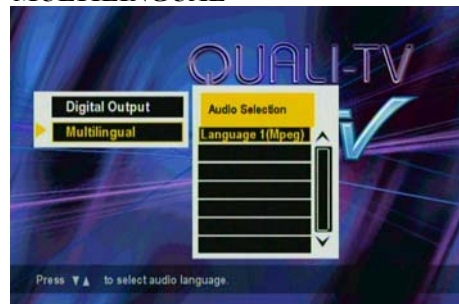
DIGITAL OUTPUT



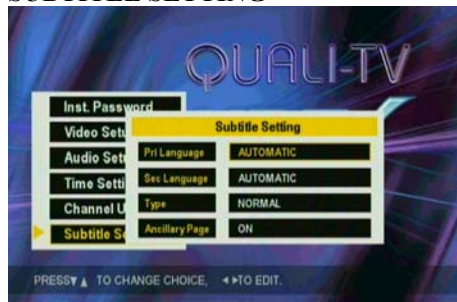
CHANNEL UPDATE



MULTILINGUAL



SUBTITLE SETTING



PROFILE



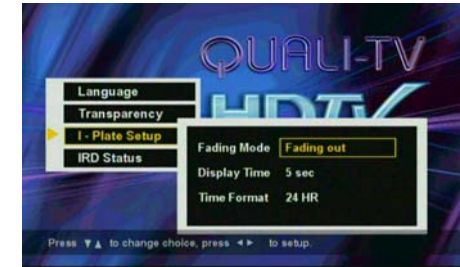
LANGUAGE



TRANSPARENCY



I PLATE SETUP



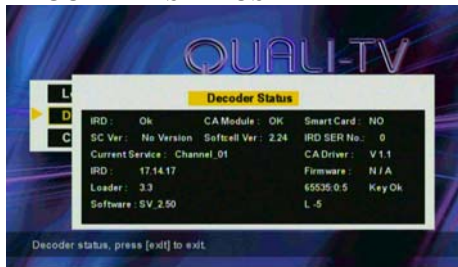
IRD STATUS



LOADER STATUS



DECORDER STATUS



CA STATUS



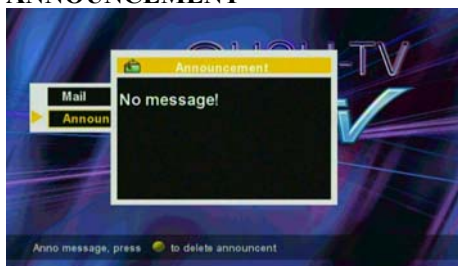
MAIL MESSAGE



MAIL



ANNOUNCEMENT


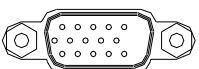
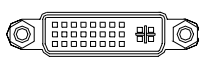



CONNECTING TO AUDIO VIDEO DEVICES

Physical Installation

There are many ways to connect the satellite receiver to your home entertainment system, depending on the equipment and connection types you have. However, for the best video/audio quality, use the higher quality Y/Pr/Pr, RGB, DVI and or S-PDIF connections if available.

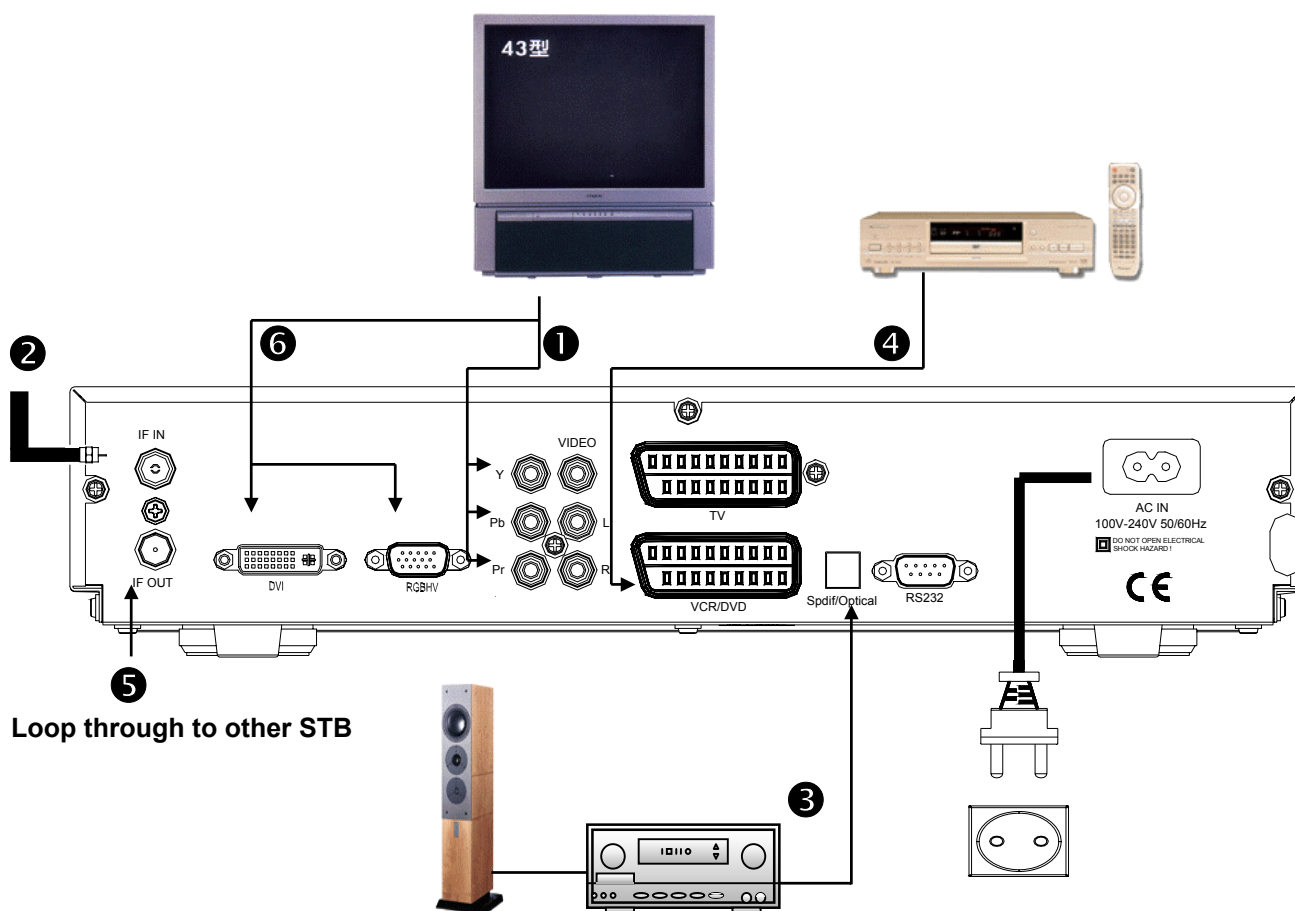
Video Cable Types

	Audio/Video (RCA) connector and cables – provide better picture quality and stereo sound. These cables are commonly grouped with three connectors on both ends, and are color coded as yellow –video signal, white – left signal, and red – right audio signal. Green – Y, Red – Pr, Blue - Pb
	An RGB cable provides your display with separate high quality RGB and synchronization signals
	A DVI cable allows you to supply the signal in digital format to your display. This avoids unnecessary digital to analogue conversion of the video signal.
	SPDIF connector (Fiber Optic) – deliver the decoded audio AC-3 signal to your Dolby Digital amplifier/home cinema system.

Notes:

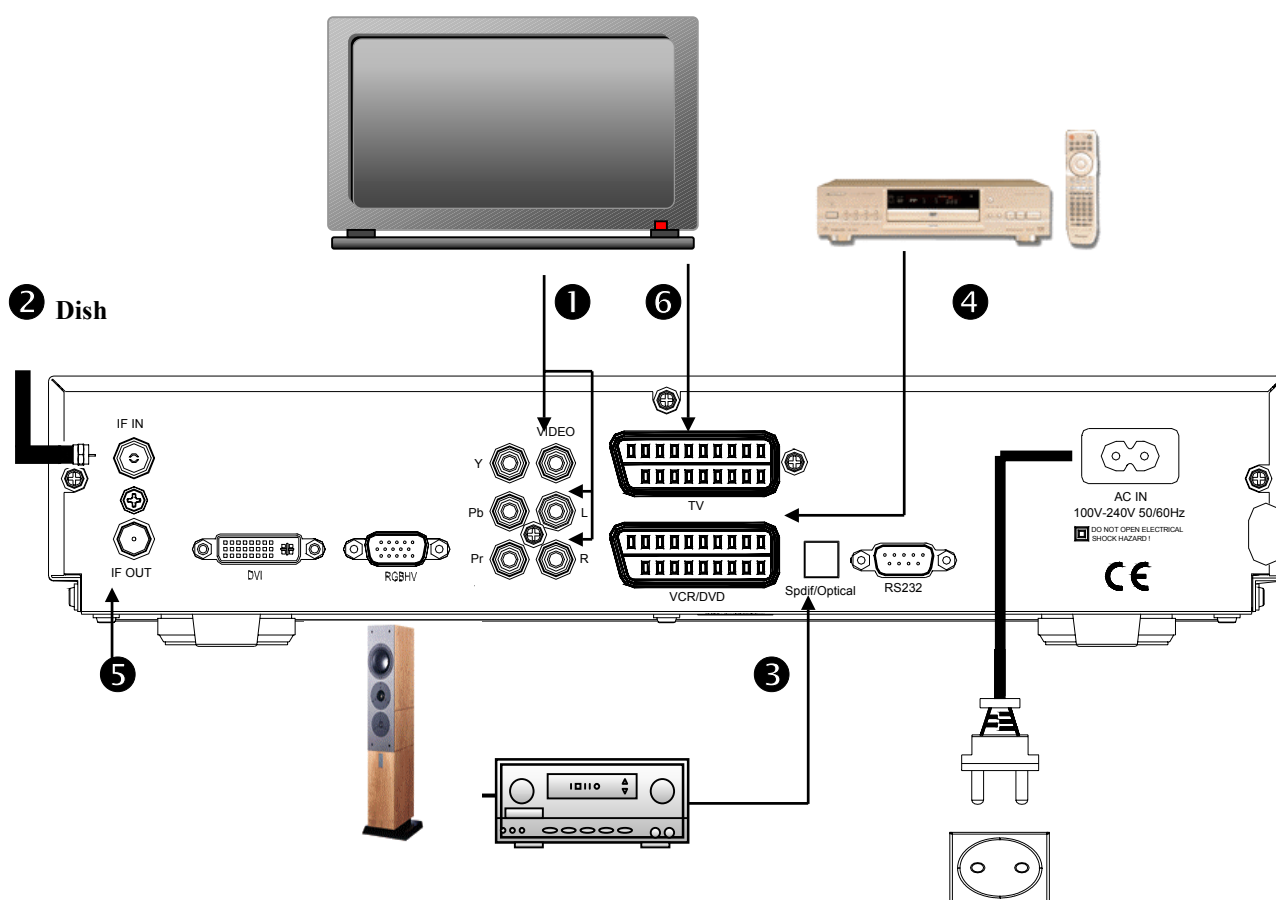
- (a) If your TV monitor supports 1080i / 720p / 576p / 576i (PAL) video input formats, please use the receiver's Y/Pb/Pr or RGB or DVI video output connectors to connect with the TV monitor.
Then use the V-Format key on the remote control to switch between four video output formats 1080i / 720p / 576p / 576i. Use the highest working resolution to enjoy the best picture quality.
- (b) If your TV monitor does not support above video input format, please use the receiver's VIDEO output connectors to connect with the TV monitor

CONNECTING TO HDTV MONITOR AND HOME THEATER



- 1 Connecting to HDTV monitor or Wide Screen monitor with Y/Pb/Pr Inputs**
Connecting the receiver's Y/Pb/Pr with HDTV monitor
You can choose to connect L/R (audio) connectors to your HDTV monitor for downmixed Dolby Digital two channels audio or connect the S/PDIF OUT to your Dolby Digital Amplifier/home cinema system
- 2 Connecting to the Dish antenna**
Connecting the receiver's IF IN with the Dish antenna
- 3 Connecting to the Dolby Digital Amplifier**
Connecting the receiver's S/PDIF with a Dolby Digital Amplifier using an optical cable.
- 4 Connecting to the DVD Player/recorder or VCR**
Connecting the receiver's DVD/VCR SCART connector with the DVD's or VCR's SCART
- 5 Loop Through to other STB**
Connect your second receiver LNB input to this loop through output
- 6 Connecting to HDTV monitor or Wide Screen monitor with DVI/ RGB Inputs**
Connect the receiver using either the DVI or the RGB output with the HDTV monitor.

CONNECTING TO SDTV MONITOR AND OTHER AUDIO/VIDEO DEVICES



- 1 Connecting to the SDTV monitor with Composite Video / Audio Two Channels Inputs**
 Connect the receiver to the standard definition monitor by using the video RCA connector plus the L/R (audio) connectors for Dolby AC-3 downmixed audio or connect the S/PDIF OUT with the Dolby Digital Amplifier
- 2 Connecting to the Dish antenna**
 Connecting the receiver's IF IN with the Dish antenna
- 3 Connecting to the Dolby Digital Amplifier**
 Connecting the receiver's S/PDIF with a Dolby Digital Amplifier using an optical cable.
- 4 Connecting to the DVD Player/recorder or VCR**
 Connecting the receiver's DVD/VCR SCART connector with the DVD's or VCR's SCART
- 5 Loop Through to other STB**
 Connect your second receiver LNB input to this loop through output
- 6 Connecting to the SDTV monitor with the TV SCART**
 Connect the receiver's TV SCART with the SCART input on your SDTV monitor

MAIN MENU

If the receiver has not been installed prior, the channel database will be empty. During the first time installation you will see the message Database Empty, press menu for installation. Please press menu on your remote control.



Initial Screen –

After power-up and pressing the menu button, it will display the “Main MENU” and background.

- Use the cursor keys ▼▲ to move through the menu, the SELECT button to choose specific items, and EXIT button to return to the main menu or leave the main menu.

INSTALLATION



- When you enter the “installation” menu to start the channel scan. It’s necessary to enter the password to go into this menu.
- The default password is 0000.
- You may also change the password under the “Inst. password” sub-menu.

CHANNEL SCAN (DiSEqC 1.0)



Satellite settings:

- Press the ◀ ▶ keys to select the dish antenna nr. and it’s corresponding DiSEqC position
- Press “Select” to configure the satellite name, LNB type and LNB power for the selected DiSEqC position.

Transponder frequency settings:

- Press the ◀ ▶ keys to select the (start) frequency to be scanned. Selecting a pre-programmed frequency automatically sets the polarity and symbolrate.

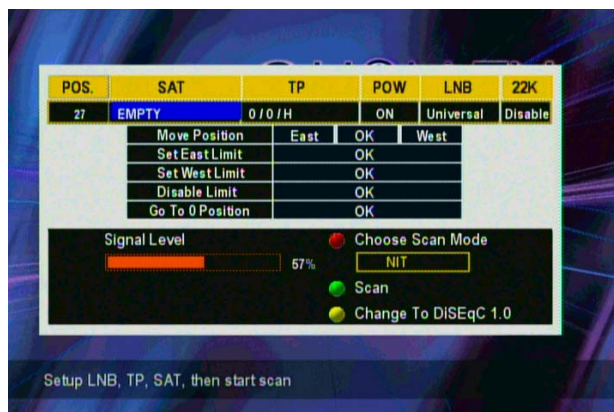
The default transponder is set for the Euro1080 High Definition channel.

Scan method:

Press the “Red” button to select the scan method. “Single TP” scans one frequency. “NIT” scans all frequencies in the NIT tables of the selected transponder. “Single SAT” scans all pre-programmed frequencies for the selected satellite. “Auto” scans all configured satellites. Press the “Green” button to start scanning.

CHANNEL SCAN (DiSEqC 1.2)

- In the channel scan menu, press the yellow button to switch from DiSEqC 1.0 to DiSEqC 1.2.
- Use the cursor ▼▲ keys to select the options
 - Move Positions
 - Set East Limit
 - Set West Limit
 - Disable Limit
 - Go to 0 Position
- The receiver has pre-programmed 26 positions and satellite names for your DiSEqC 1.2 positioner



If the built in satellite table of your positioner is different, please modify per position the satellite names accordingly. Optionally you can fine tune the position by momentarily pressing East/West for maximum signal.

You can add additional positions to a maximum of 50 positions.

When adding a new satellite position, please make sure that you use a frequency that contains a signal and also verify the symbolrate, polarisation etc. Do not use contribution feeds for finding a satellite position as they may not be always operational. Go first to the 0 position and then Select East or West depending on where the satellite is positioned. Keep on pressing the East or West button until the signal level goes up and lock is displayed. Press momentarily the East/West button to fine tune for maximum level.

No.	Satellite	Orbital position	No.	Satellite	Orbital position
1	Hot Bird	13.0 E	14	Hispasat	30.0 W
2	Astra	19.2 E	15	Telstar 11	37.5 W
3	Eutelsat W2	16.0 E	16	Kopernicus	23.5 E
4	Eutelsat W1	10.0 E	17	Arabsat 2A/3A	26.0 E
5	Eutelsat W3	7.0 E	18	Astra 2	28.2 E
6	Sirius 2/3	5.0 E	19	Eurobird	28.5 E
7	Thor 2/3	0.8 W	20	Arabsat 2B	30.5 E
8	Intelsat 707	1.0 W	21	Turksat 1B	31.3 E
9	Atlantic Bird 3	5.0 W	22	Turksat 1C	42.0 E
10	Telecom 2D	8.0 W	23	Intelsat 601	34.5 W
11	Intelsat 705	18.0 W	24	Pas 3R	43.0 W
12	NSS 7	21.5 W	25	Amos	4.0 W
13	Intelsat 907	27.5 W	26	Nilesat	7.0 W

Pre-programmed satellite table.

Scanning.

To scan, first select the position number that has the required satellite to be scanned. Please wait for the positioner to move the dish. Ensure that the receiver shows “Lock!” for the transponder to be scanned.

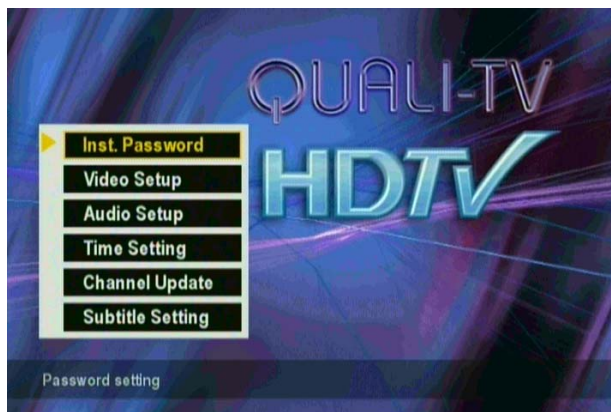
Select the scan method by pressing the Red button

Start the scan by pressing the Green button.

Note: the receiver can store a maximum of 2900 Radio and TV channels. Select the Scan method according to the number of channels that may be expected from the satellite to be scanned.

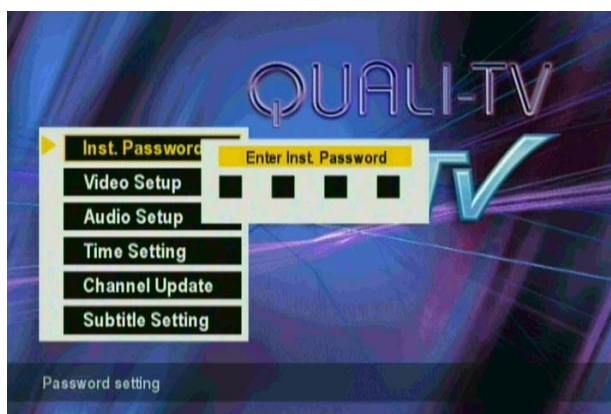
SYSTEM

- Under the main menu, select “SYSTEM” to enter into the system sub-menu.
- Use the cursor ▼▲ keys to highlight the options
 - INST. PASSWORD
 - VIDEO SETUP
 - AUDIO SETUP
 - TIME SETTING
 - CHANNEL UPDATE
 - SUBTITLE SETTING



INSTALLATION PASSWORD

- Highlight “Inst. password” and press “SELECT”, you will be asked to enter the NEW PASSWORD
- Enter the password again to CONFIRM it



VIDEO SETUP

- Under SYSTEM sub-menu, you can select VIDEO SETUP
- Use the cursor ▼▲ keys to select the setting you wish to change.

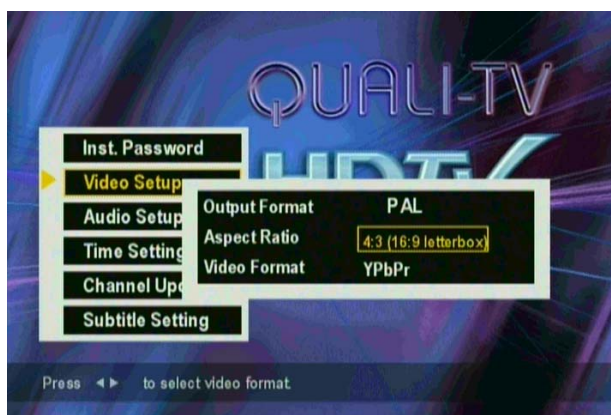
Aspect Ratio:

- Use the cursor ◀▶ keys to switch between “4:3” and “16:9” picture formats

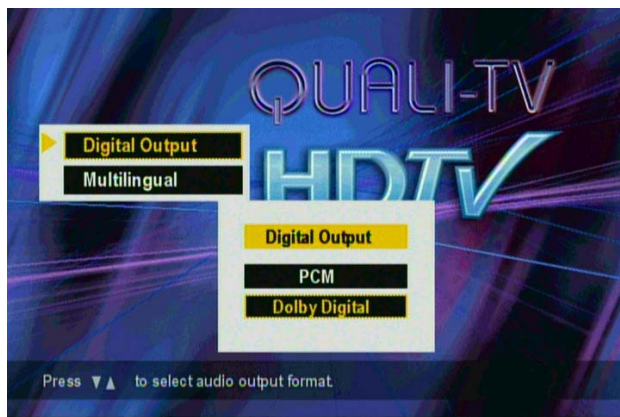
Video Format:

- Use the cursor ◀▶ keys to select the High Definition output used: “YPbPr” or “RGB”.

Note: With the yellow button on the remote, you can also toggle “YpbPr” or “RGB” mode.



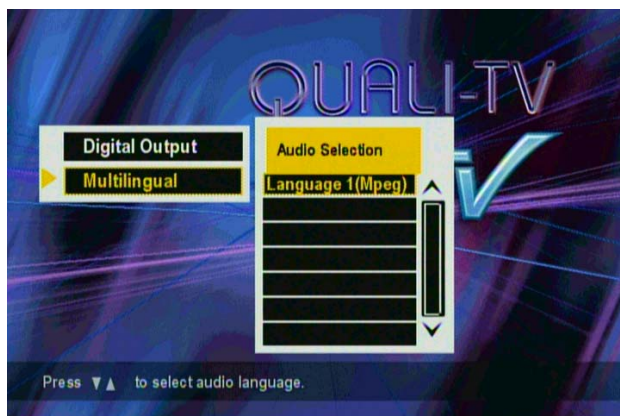
AUDIO SETUP, Digital output mode



DIGITAL OUTPUT MODE

- Use the cursor ◀ ▶ keys to select the Default Digital Audio output mode used on the SPDIF output: “PCM” (MPEG-2 Stereo) or “Dolby Digital”.

AUDIO SETUP, Multilingual



MULTILINGUAL AUDIO SELECTION

- Use the cursor ▼ ▲ keys to select the Default Audio Soundtrack of your choice. If multiple soundtracks are transmitted, and the selected soundtrack is available, it will be selected automatically.

AUTOMATIC CHANNEL UPDATE



AUTOMATIC CHANNEL UPDATE

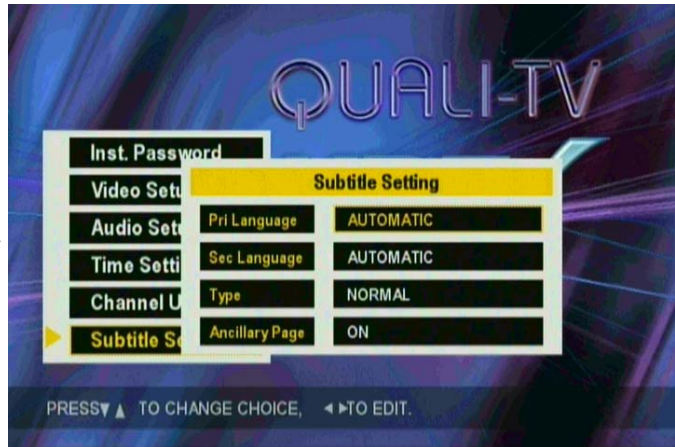
- Use the cursor ◀ ▶ keys to select the setting for automatic channel updates. Switching Automatic channel updates to ON, adds or changes Channel names if these are broadcasted by the provider you tune to. New channels are added to the end of the channel list and identified as “New Channel”. Once the receiver has tuned to the channel, the channel name will be provided.

SUBTITLING OPTIONS

SUBTITLING OPTIONS

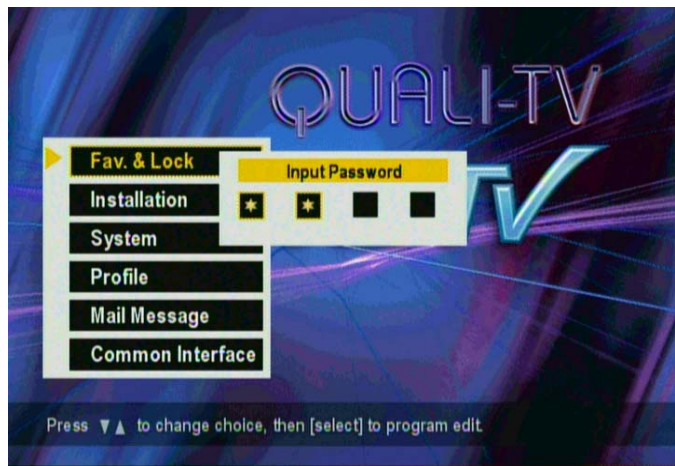
- Use the cursor ▼▲ keys to select the primary and secondary subtitle language and the ancilliary page options.
- Use the cursor ◀▶ keys to select the primary and secondary language settings for DVB and Teletext subtitling. If both Teletext and DVB subtitling are available in the desired language, DVB subtitling will be selected.
- Use the cursor ◀▶ keys to switch on or of the use of the ancilliary page

To switch on subtitling, press the Teletext button on the remote control and select Subtitling. If available, the subtitling will be activated. Alternatively it is also possible to start teletext and select the teltext subtitle page manually if available.



FAV. & LOCK PASSWORD

- When you enter the “Fav. & Lock” menu to edit the channel list or set the parental control you need to enter the parental control password.
- The default parental control password is 1234.
- You may also change the parental control password under the “change PIN” sub-menu.



FAV. & LOCK

- Under FAV. & LOCK sub-menu, you can select “Set Channel” to “Lock” or set “Favorite” channels/programs.
- Use the cursor ▼▲ keys to select the desired option and pres “Select” to enter the submenu.

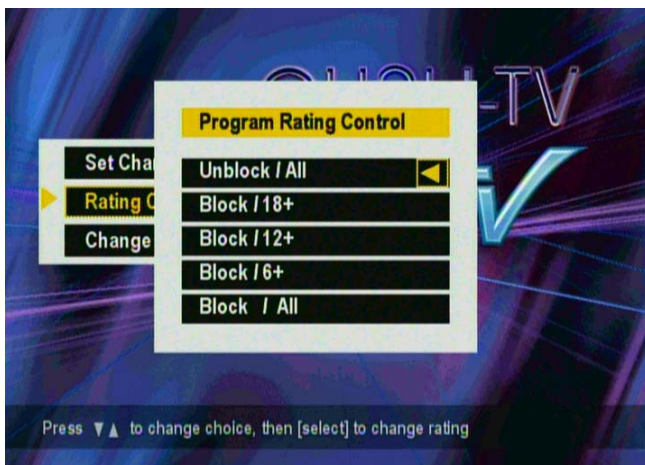


SET CHANNEL



- Use the cursor ▼▲ keys to select the channel and press “Select” to allocate a channel to the favorite list. Press “Select” again to deselect the channel from the favorite list
- Sorting Channels: Press a numeric (1~4) button on the remote control to choose the sorting style of channel list.
- Use the cursor ◀▶ keys to go to the next page in the channel list.
- Moving channels: Press the red button on the remote to select a channel for moving. Select the new channel position with the cursor keys. Press the red button again to move the channel.
- After you have made all the selections, press “Exit” key to exit the sub-menu.

RATING CONTROL



- Under the FAV. & LOCK sub-menu, select “RATING CONTROL” to enter into its sub-menu.
- Use the cursor ▼▲ keys to highlight the options to set up the rating control of channels/ programs.
 - UNBLOCK/ ALL
 - BLOCK/ 18+
 - BLOCK/ 12+
 - BLOCK/ 6+
 - BLOCK/ ALL

CHANGE PIN



- Under the FAV. & LOCK sub-menu, select “CHANGE PIN” to enter into its sub-menu.
- Enter the new password.
- Enter the password again to CONFIRM it.

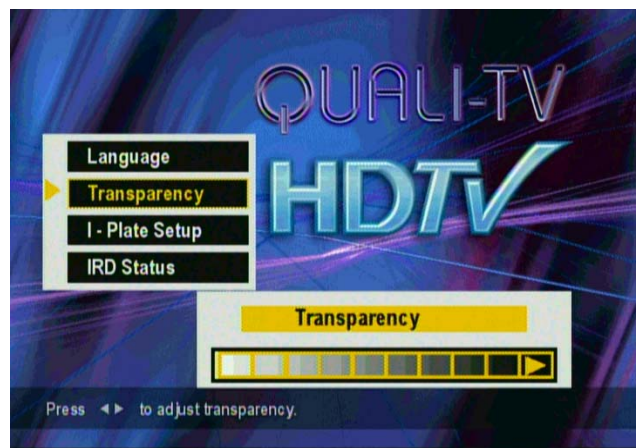
PROFILE

- Under Main Menu, select “PROFILE” to set up LANGUAGE, TRANSPARENCY, I-PLATE-SETUP and IRD STATUS.
- Use the cursor ▼▲ keys to select the option



TRANSPARENCY

- When you select TRANSPARENCY, you can use the cursor ◀▶ keys to change the transparency of the On Screen Display's background.

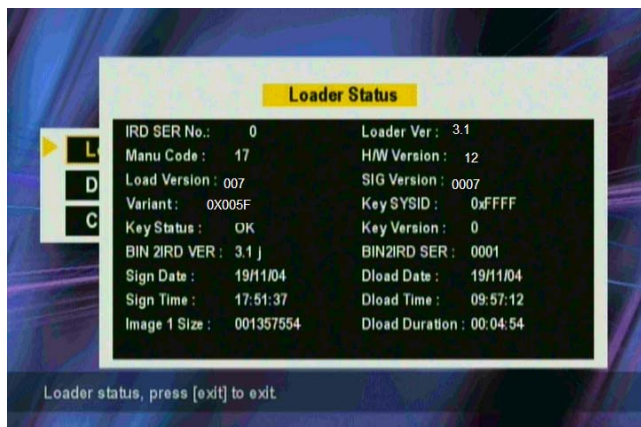


IRD STATUS

- Under PROFILE's sub-menu, you can select item “IRD STATUS” to check Loader related information, Decoder related information and Conditional Access related information.
- Use the cursor ▼▲ keys to select the option

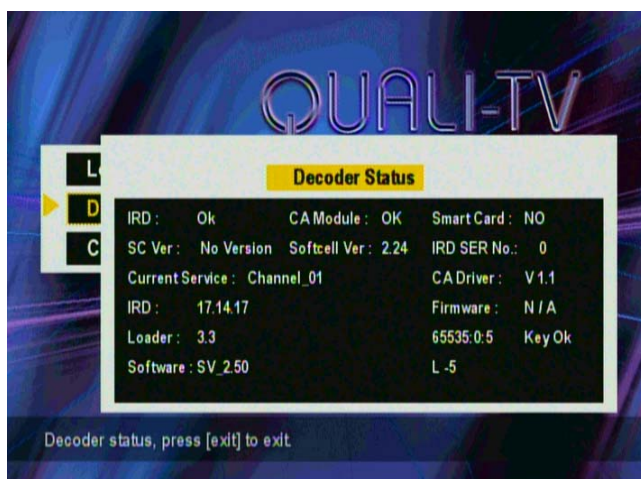


LOADER STATUS



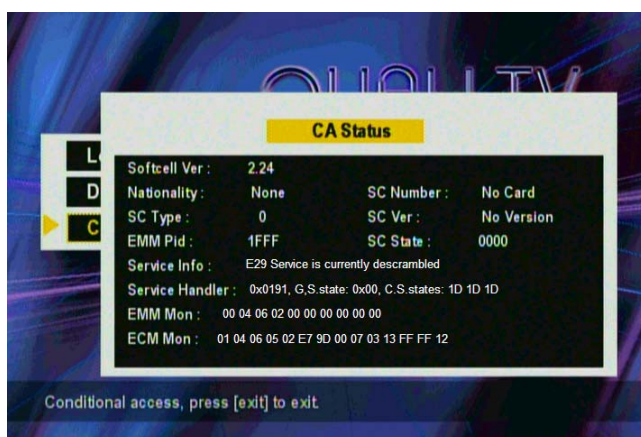
- Under the IRD STATUS menu, when you select “LOADER STATUS” and enter into its sub-menu.
- This sub-menu contains information of loader.

DECODER STATUS



- Under the IRD STATUS menu, when you select “DECODER STATUS” and enter into its sub-menu.
- This sub-menu contains information about the receiver software versions and status.

CA STATUS

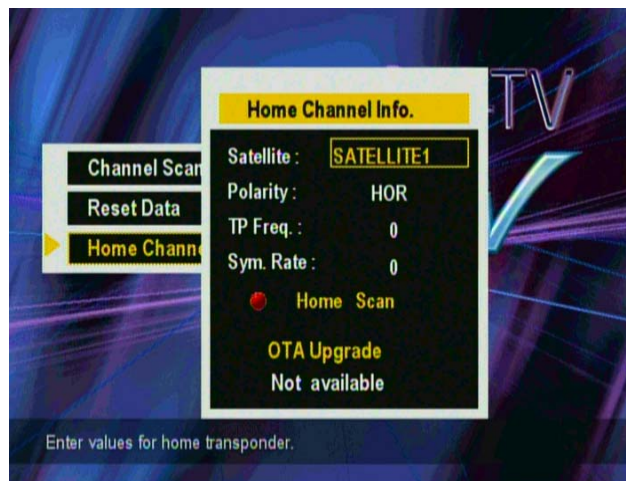


- Under the IRD STATUS menu, when you select “CA STATUS” and enter into its sub-menu.
- This sub-menu contains information of Conditional Access software and status.

HOME CHANNEL / SOFTWARE UPGRADE

- Under the INSTALLATION menu, select “HOME CHANNEL” and enter into its sub-menu.
- Execute a home scan by pushing the red button on the remote control. Only necessary when you just want to scan the channels of the service provider.
- OTA UPGRADE allows you to upgrade the information/ software of the receiver via satellite signal.
- If a green Button appears in this pop-up window, you can obtain update/ upgrade information and software via the OTA upgrade function.

Note that a software upgrade will take a considerable amount of time and should be started preferably when no TV viewing via the STB is scheduled for the next hour.



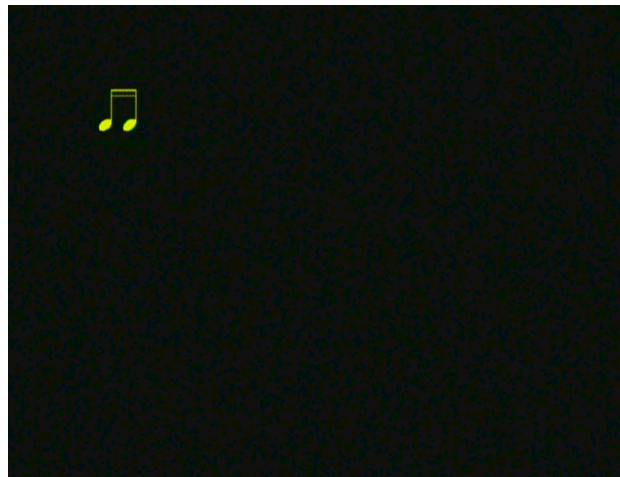
I-PLATE (INFORMATION PLATE)

- When you are watching channels (no menu's displayed) and want to have information about the current and next program and other relevant information, you can press “INFO” button.
- After pressing INFO button, the I-PLATE will pop up including information as follows,
 - Current Channel Number
 - Audio format (Dolby or MPEG)
 - Video format (SD or HD)
 - Now and Next program information
 - Current Local Time
 - Date and Month
 - Signal strength and Signal Quality



TV/RADIO MODE

- When you press the TV/Radio button on the remote control, you can switch between the TV channel list and the Radio channel list to enjoy the available Radio channels in digital quality.



PIP (FOR MULTIVIEW)



- When you are watching the TV programs (not in Main Menu), you can press PIP button on the remote control to show multiple programs on TV screen
- Use the cursor ▼▲ keys to browse through the program lists
- Highlight the program and press “SELECT” key and leave the menu, you will get Picture in Picture – two programs playing on the TV screen at the same time.
- To close the small screen you can enter into PIP again and select “PIP OFF”.
- PIP small screen only works for standard definition FTA channels.

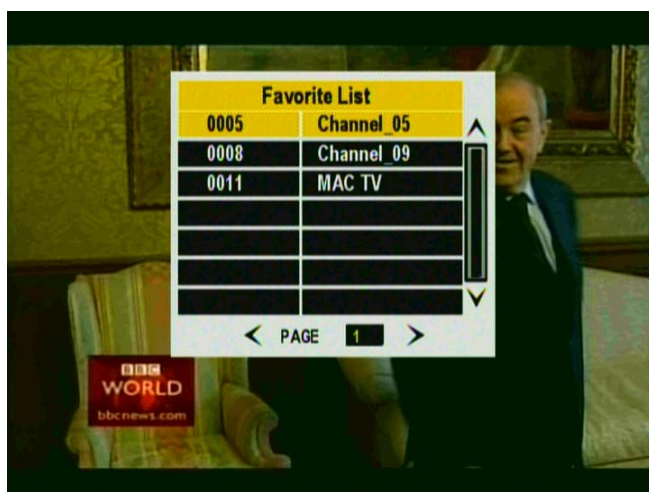
CHANNEL LIST



- Press the “List” button on the remote control to display the channel list.
- Use the cursor ▼▲ keys to browse through the channel numbers and names.
You can use the left and right arrow button to page through the list.
By pressing “Select” you will tune to the highlighted channel.
- Press the red button to change to a different satellite channel list.
- Press the yellow button to acquire more detailed information about the channel tuned to.

Note : When you are watching a TV channel (without any menu on screen), you can press List button on the remote control to also call up the program list

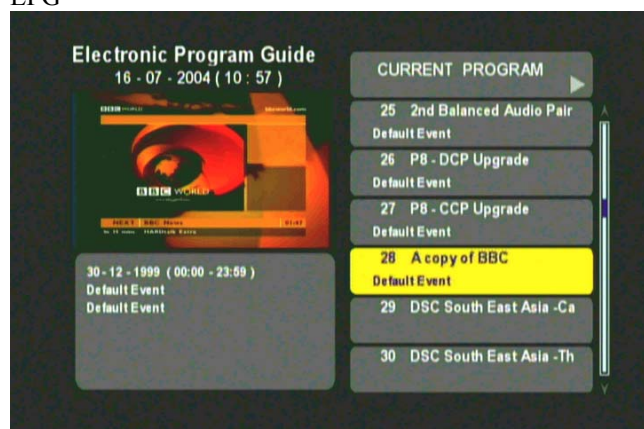
FAVORITE CHANNEL LIST



- When you are watching TV channels, you can press “FAV” button on the remote control to call up the Favorite List.
- Use the cursor ▼▲ keys to browse through the program lists and highlight the program you want to watch, then press “SELECT” button.
- Use the cursor ◀▶ keys to go to the next page in the favourite list.
- When pressing now the CH+/CH- buttons, you will now browse up and down in your favorite list.
- To return to your main channel list, press the “List” button on your remote control and select a channel from your main list.

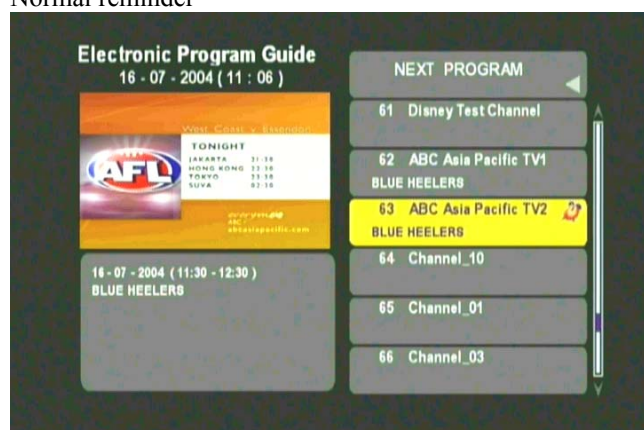
EPG (Electronic Program Guide)

EPG



- Press the “BLUE” button on the remote control to start the Electronic Program Guide.
- Use the cursor ▼ ▲ keys to select a program.
- Press the SELECT button to tune to the program and see the program details in the left popup window.
- Press the Select button another time to tune to the program and exit the EPG.
- Press the ► button to show the information about the NEXT program and the ◀ button to show the CURRENT program information.

Normal reminder



Reminders: When in NEXT mode (press ► button) you can set a reminder for a specific program:

- Use the cursor ▼ ▲ keys to select a program.
- Press the “SELECT” button once to set a Normal reminder. At the start of the program a message will pop-up to inform you the program is about to start. Press then Select to tune to the program. A Normal reminder has a Red reminder icon.
- Press the “SELECT” button twice to set an Autotune reminder. At the start of the program the receiver will automatically tune to the selected program. An Autotune reminder has a Green reminder icon.
- Pressing “Select” a third time will cancel the reminder.

Note : Reminders will only operate when no menu's are displayed on the screen.

APPENDIX 1 TROUBLE SHOOTING

Problem	Solution
(1) The receiver front panel power indicator doesn't light up, and no message appears on the front panel	(a) Check the main lead and make sure the power plug is well plugged into a stable power outlet (b) Press "Power" button on the front panel to see if the green light (power indicator) is on. (c) Check the set top box is in "Standby" mode or not by pressing "Standby" button on the remote control
(2) Some indication on the front panel but no picture on your TV screen	(a) Press button "Menu" on the remote control or front panel to call up On Screen Display (b) Make sure the connection between set top box and your TV matches the mode your TV should be set to. For instance, if you use the SCART connector, ensure that the external video input mode on the TV is selected. (c) Check the brightness level of your TV is high enough (d) Connect first via the composite video output and check if the selected video output (YPbPr, RGB or DVI) matches the output connected to your screen (default set to YPbPr).
(3) Poor picture quality	Check the dish and make sure it is aligned to the correct direction.
(4) No audio	(a) Check the receiver and your TV's volume are properly set and not in "mute" mode. (b) Check the audio connectors are correctly and firmly connected (c) Make sure the receiver is switched to the correct Audio mode: Dolby Digital or PCM (MPEG).
(5) No video	(a) Check the if the video connectors are correctly and firmly connected (b) Try different video formats by pressing the V-format button on the remote control.

* On Screen Error Message

Message	Solution
(1) Non Support Video Format	This message suggests when you are watching the program from DVD/VCR SCART Input, you cannot show HDTV digital channel on the small PIP screen

* Weather Induced Signal Fade

Natural calamities may affect signal reception. If the satellite programming is severely affected by bad weather conditions, there are a few basic steps you can take to improve reception:

1. Be sure your satellite dish is aimed to receive the strongest possible signal.
2. If this does not solve the problem, you may consider installing a larger dish. This can help to gather more of the signal transmitted from the satellite.
3. If you live in an area subject to frequent snow or freezing rain, you may need to install a deicing system to eliminate the accumulation of unwanted ice, snow or moisture from the surface of your dish.
4. If the program reception is adversely affected by heavy winds, you can stabilize the dish mount with cables.

* Solar Interference

Several times each year the sun may pass directly behind the satellite. For the few minutes when the satellite is directly between the sun and your dish, the satellite's signal will be overwhelmed by solar radiation from the sun. Satellite programming will be temporarily disrupted during this brief period. Once the sun passes on, satellite reception will return to normal.

APPENDIX 2 GLOSSARY

- * **Aspect Ratio** : It is the ratio of the width of the screen to the height. The two relevant digital TV formats are 16:9 (wide screen) or 4:3 (the traditional screen ratio). 16:9 is ergonomically more suitable for human's eye.
- * **Coaxial Cable** : A type of cable used to transmit high frequency signals e.g. from the antenna to the high definition receiver.
- * **Composite Video** : There are three elements of the video system : First - the " active video" which means the picture to be displayed on the screen and its associated colors. Second - the " sync" decides where to place each pixel on the screen. Third - the " blanking" tells the display when to turn off the electron beam so no retrace across the screen. These three elements combined together is called " composite video" when connecting to a display through connectors.
- * **DVB** : Abbreviation for "Digital Video Broadcasting". An international organization created in October 1993, whose primary objective is to achieve a common framework for all technical platforms of digital broadcasting systems including DVB-C (cable), DVB-S (satellite), DVB-T (terrestrial), DVB-MC (MMDS), DVB- CS (SMATV).
- * **EPG** : Abbreviation for "Electronic Program Guide". A software that enable viewers to navigate through the large number of channels offered by digital TV broadcaster and select the desired services.
- * **Frequency** : The property of a signal which is measured in cycles per second(=Hertz).
- * **Letterbox** : The picture with aspect ratio 16:9 in a 4:3 TV screen with blank lines on top and bottom. It is the means to watch a wide screen TV program on a 4:3 TV screen.
- * **Megahertz (MHz)** : Millions of cycles per second, which describes frequencies of radio wave or electric current.
- * **OSD** : Abbreviation of "On Screen Display", used in digital set top box. OSD is comprised of a main menu and many submenu with lots of options of functions inside.
- * **PAL** : Stands for "Phase Alternating Line",the European video standard which has the image format of 4 by 3, 625 horizontal lines, 50 Hz and a total 8 MHz of video channel width.
- * **Y/Pb/Pr** : Component Video Output. It is better than S-Video and Composite Video output in terms of picture quality. Y/Pb/Pr is the standard HDTV connector.
- * **RGB** : Output carrying the primary colors Red, Green and Blue plus the horizontal and vertical synchronization signals. This connector is well known for PC monitors, but now also becoming available for TV monitors.
- * **DVI** : A DVI output carries the video signal in digital format and allows you to supply the signal to TV monitor without any loss in quality because of digital to analogue conversion of the video signal.

APPENDIX 3 SPECIFICATION

● IF Input :		● Smart Card Slot :		One
Frequency	950 ~ 2150 MHz	● Software Upgrade :		RS-232 OTA
Input Level	-25 ~ -65 dBm			
Connector	F-Female			
Demodulator	QPSK			
Symbol Rate	2 ~ 45 MS/s			
IF Loop Through	F – Female			
● Video :		● OSD :		
		Number of Color		
		>256 color		
		● Application System Resources		
		CPU		
		306 MIPS		
		RAM Memory		
		64 MB DRAM		
		Flash Memory		
		2 MB		
		● Front Panel :		
		Function (7 Keys)		
		Standby , Menu / Select , Exit , Up , Down , Left , Right		
		LED Indicator		
		Red : Error , Unlock		
		Yellow : Mail		
		Green : Power		
		Channel number/Time/ Format		
		Channel Display (4-Digit)		
		● Remote Control :		
		Keys		
		36 keys including Standby, CH+, CH-, VOL-, VOL+...etc		
		● Power Supply :		
		100 ~ 240 VAC , 50 ~ 60Hz		
		Input Voltage		
		Consumption (Max.)		
		30 Watt		
		Operation		
		<5 Watt		
		Standby		
		● Dimension		
		360 × 250 × 65 mm		
		W ×D ×H		
		3.1 Kg		
		Weight		
		● General Data		
		5°C ~ +40°C		
		Operating Temperature :		
		-40°C ~ +65°C		
		Storage Temperature :		
● Audio :				
Formats		Dolby Digital/ MPEG		
Sample Rate		(Layer I & II)		
Output Connector		32/44.1/48 KHz		
Analog				
Digital (SPDIF)		RCA jacks / SCART		
Input Connector		Optical		
VCR/ DVD SCART		One		
● LNB Control				
Polarity Control		13/18V DC (400 mA max)		
Band Switching		Short Circuit Protection		
DiSEqC		0/22 Khz		
		1.0		
● Conditional Access :				
		IRDETO CA		

Specifications are subject to change without notice.

APPENDIX 4 CONTACT INFORMATION

If you have any question on operating the Quali-TV QS 1080IR receiver or in connection with this user manual, you may contact your dealer or contact Quali-TV using below contact details.

Quali-TV

Einsteinstraat 27

2811 EP Reeuwijk

Netherlands

Tel: (31) 0182 391 543

Fax: (31) 0182 391 075

E-mail: helpdesk@quali-tv.com

Website: www.quali-tv.com