FREE TO AIR
Digital Satellite Receiver

EURO-box

EURO-9700 GOLD
OPERATION MANUAL

www.eurostar-digital.com

'Easy to use' Menu
High Gain Digital Tuner
High Speed Scanning

EUROSTAR
FREE TO AIR DIGITAL SATELLITE RECEIVER
EURO-box
EURO-9700 GOLD
C001

A product of

EUROSTAR ®

EPG
Electronic
Programme
Guide

4500
Programmable
Channels

DiSEqC 1.2

OTA

Parental
Lock

DVB
Digital Video
Broadcasting

SAFETY INSTRUCTIONS

Approved use

The device is to be used only for receiving satellite programs; any other use is not allowed.

Only the devices and system parts described in this manual may be connected to the satellite receiver EURO-9700 GOLD.

This receiver has been manufactured to satisfy international safety standards. Please read the following recommended safety precautions carefully.

⚠️ **Danger** **Never remove the cover or parts of it! Danger of electric shock! Repairs to the device are to be performed only by authorized service personnel!**

⚠️ **Danger** **Avoid exposure to moisture and the insertion of foreign objects into the device! Danger of electric shock!**

⚠️ **Danger** **Do not cover ventilation holes on the device! Danger of fire due to overheating!**

⚠️ **Warning** **Use only original replacement parts or parts recommended by a dealer; otherwise there is a danger of personal injury and damage to the device! In case of violation, the guarantee is void!**

⚠️ **Danger** **Before cleaning, disconnect the power cord from the electric socket! For cleaning of the receiver, use a cloth that is slightly dampened with pure water; use no chemical additives!**

⚠️ **Danger** **Shut off device during thunderstorms and when not used for an extended period of time! During thunderstorms also remove the antenna cable!**

⚠️ **Danger** **The ground of the LNB cable must be directly connected to the system ground for the satellite antenna. The grounding system must comply with local regulations.**

⚠️ **Danger** **Power supply: 100 - 240 V~, 50/60 Hz**

⚠️ **Danger** **Never stack other object on top of the satellite receiver. Danger of overheating and fire!**

☞ **Important** **The LNB connector cable has voltage in its center core. It is therefore recommended that the receiver be disconnected from the mains power before connecting or disconnecting this cable. FAILURE TO DO SO COULD DAMAGE THE LNB.**

CONTENTS

1. CONNECTING YOUR "EURO-9700 GOLD"

1.1　Location of the receiver

Your "EURO-9700 GOLD" should be placed under proper ventilation. Don't put in completely enclosed cabinet that will restrict the flow of air, resulting in overheating.

The location should be safeguarded from direct sunlight, excess moisture, rough handling or household pets.

Avoid stacking other electronic components on the top of the receiver.

The location should be safely accessible by the cable from your antenna system.

1.2　Connecting the receiver with antenna system

After installing your antenna system, connect the coaxial cable from the LNB of your antenna to "DISH INPUT" terminal marked at the rear of the EURO-9700 GOLD.

All cable connectors should be **finger tightened**; do not use any kind of wrench while tightening connectors. The cable should be 75 ohm impedance coaxial twisted at the end with an "F" type connector.

1.3　Connecting the receiver to TV

To connect the receiver with your television, you can follow two methods: through RF cable, and through to RCA cable.

Connect the RF cable to the terminal marked "TV" at the rear panel of EURO-9700 GOLD and its other end to the TV RF input socket.

In the case of connecting your TV through RCA cable, connect the Receiver Terminal marked Video to the TV Port.

1.4　Connecting external Audio/Hi-Fi-System

To connect any external Audio Hi-Fi system, the receiver has been provided with two RCA connectors at the back of the receiver, marked with Audio L and R respectively to connect the Left and Right Audio.
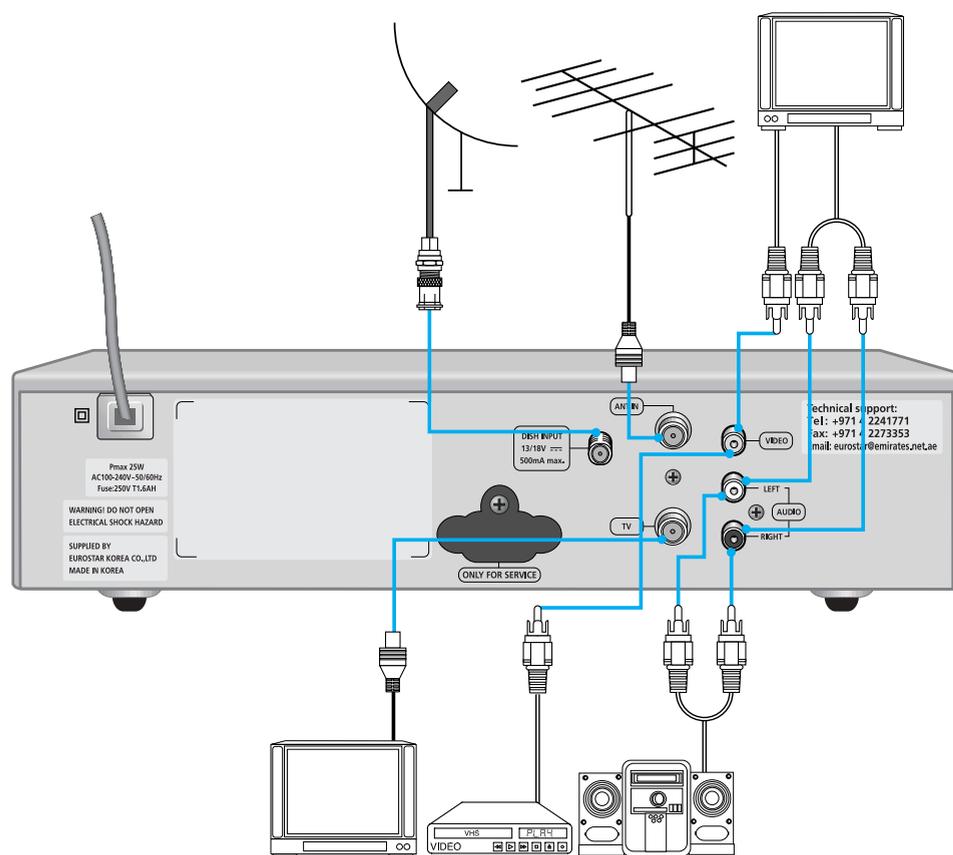
2. DESCRIPTION

2.1   Front Panel
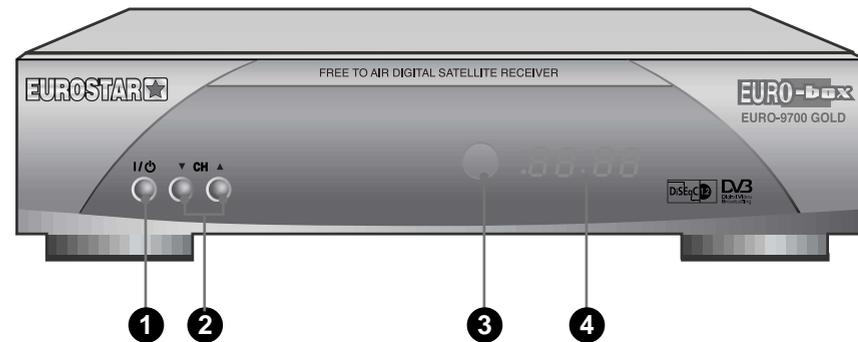
1. ⏻	This key is used to turn the receiver on and off (Standby).
2. ▼ ▲	These keys are used to change the Channels.
3. Infrared Sensor:	Receipt of commands from the remote control.
4. 7 Segment Display:	This LED display will show the Current Channel number. While the receiver is in Standby mode the Display will show the Current Time, "Menu", "EPG" or "LOCK" when the receiver is locked.

2.2   Rear Panel
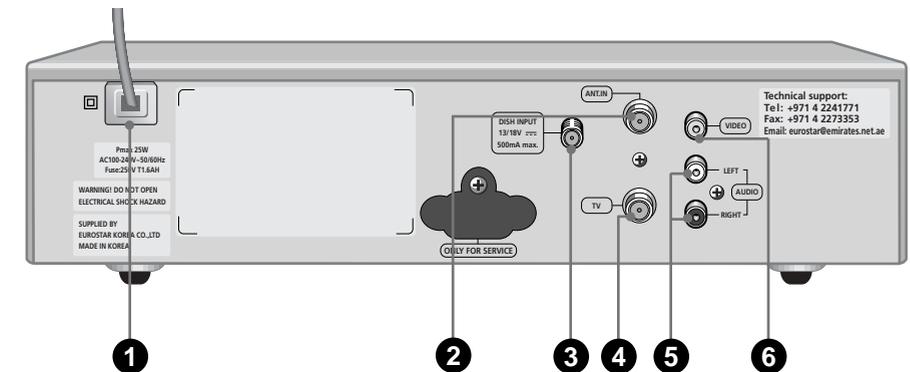
1. AC Mains:	This is to plug in the AC mains power cord. The input AC voltage range is 100 V to 240 V, 50/60 Hz supply.
2. ANT IN:	This is used to connect your local terrestrial antenna to your TV set.
3. DISH INPUT:	This port is to connect the coaxial cable from LNB of your dish. The IF input is provided through this port and the input frequency range is 950-2150 MHz. Also the voltage switching 13 V and 18 V is passed through this port.
4. TV:	This is used to connect your TV through RF cable.
5. AUDIO R/L:	These RCA connectors are used to connect TV or any external audio system.
6. VIDEO:	These RCA connectors are used to connect TV or any external video system.

2.3   Remote Control Unit

Power
Power on/Standby

0 ... 9 Numeral keys
Selection of a channel,
input of a numeric value
during installation

TV/RADIO
Switches between
TV and Radio
programs and lists

MENU
Calls up the main menu

i
Calls up the program
information (not transmitted
by all channels)

+
Up key for changing
channels and
menu items

◄
Left key for reducing
the volume level, for browsing in
lists and for switching
between individual
menu items

P+, P-
Browsing in service lists
(TV list, Radio list,
FAV list, "All" list)

MUTE(green key)
Muting
("Silence mode")

TEXT(orange key)
Select the text mode
and subtitle

ZOOM
Allows you to choose and
zoom on a part of the picture during
normal viewing mode.

FREEZE
To capture video image

EPG
Calls up the electronic
program guide

EXIT
Exits a menu or
removes an overlay
(e.g. list)

RECALL
To toggle and select between present
and previous TV/RADIO programmes.

OK
Confirms any data to the receiver

▶
Right key for increasing
the volume level, for browsing in
lists and for switching
between individual
menu items

▬
Down key for
changing channels and
menu items

V+/V-
To increase (or decrease)
the volume levels

ALT(red key)
Calls up soundtrack and videotrack
list in current channel and toggle
Left/Right audio

FIND(blue key)
Searches channel

3.1   Display Screen
3.1.1 Banner

Before you can view the television program, you must perform the installation
Consequently, only menu images will be displayed at first.
After the television channels have been programmed, the following display will appear.
During this banner is displayed, **Blue** key will work for changing favorite list.
After this banner disappears, **Blue** key will work as **FIND** key.
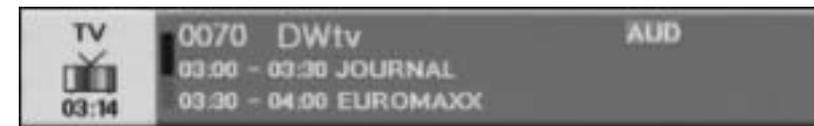
Select the channel by pressing **TV/RADIO** key and **+**, **-**, **P+** or **P-** or **0 ... 9** key.

If you prefer to listen to a radio program, select and press the **RADIO** key.
The same banner display will appear each time you shifted to a different channel.

● Press the Information **(i)** key and the information banner is displayed.
● The information banner disappears few seconds later.
● Press the Information **(i)** key twice, and both banner and detailed program
   information are displayed.
● Press the **EXIT** key and the information banner disappears.

3.2   Volume Control

To control the volume level:
● Press **◄** , **▶** , **V-** or **V+** key to adjust the volume level.
● Press **MUTE** key to switch to mute function.
● Press **MUTE** key again in order to cancel the mute function.
● During this volume bar is displayed, press **Red (ALT)** key to toggle between
   Left and Right audio.

3.3   Select Soundtrack

- Press **Red (ALT)** key to see the soundtrack.
- Select soundtrack by pressing **+**, **-** keys.
- Press **+**, **-** keys to select one.
- Press **OK** key for confirmation.

3.4   Select Videotrack

- Press **Red (ALT)** key to see the videotrack.
- Select videotrack by pressing **+**, **-** keys.
- Press **+**, **-** keys to select one.
- Press **OK** key for confirmation.

3.5   Service List
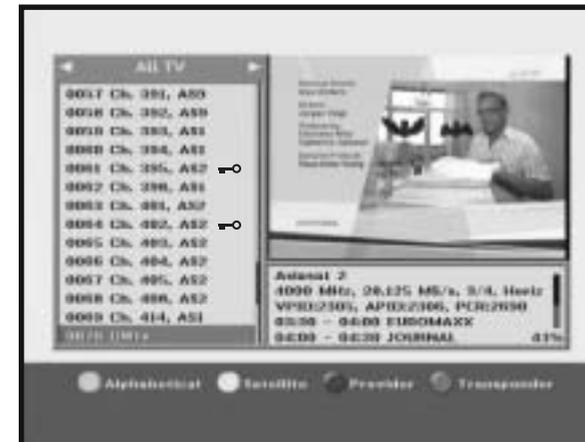
- Press **OK** key to while you are viewing a program.
- Select list by pressing ◀ , ▶ or **TV/RADIO** key.

- Select the channel by pressing **+**, **-**, **P+**, **P-**, or numerical keys(0...9).
- Press **OK** key to watch that channel.
  The color keys corresponds the following service list.

- **Green (MUTE)** key - **Alphabetical**
- **Orange (TEXT)** key - **Satellite**
- **Blue (FIND)** key   - **Provider**
- **Red (ALT)** key   - **Transponder**

NOTE: The icon ━o behind the channel name symbolizes scrambled channel.

3.5.1 Service Alphabetical

- Press the **Green (MUTE)** key on the remote control unit to select the Alphabetical list.
- Press the ◀ or ▶ keys to select an Alphabetical group that you want.
- Use the **+**, **-** , **P+** or **P-** keys to select a channel list that you want.

3.5.2 Service Satellite

- Press the **Orange (TEXT)** key on the remote control unit to select the Satellite list.
- Use the ◀ or ▶ keys to select a Satellite group that you want.
- Use the **+**, **-** , **P+** or **P-** keys to select a channel list that you want.

3.5.3 Service Provider
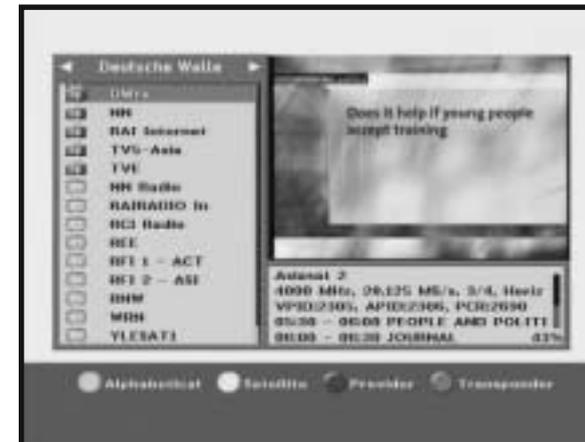
- Press the **Blue (FIND)** key on the remote control unit to select the Provider list.
- Use the ◀ or ▶ keys to select a Provider group that you want.
- Use the **+**, **-** , **P+** or **P-** keys to select a channel list that you want.

3.5.4 Service Transponder
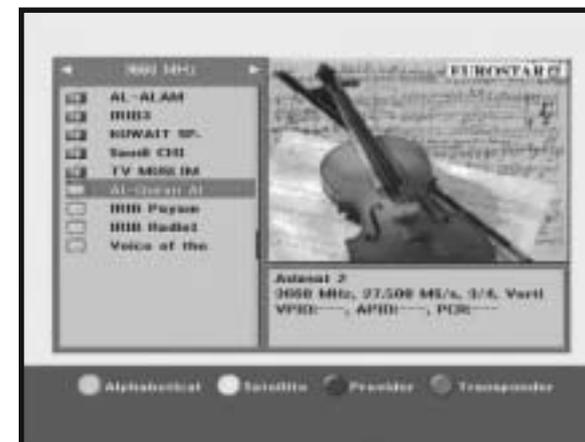
- Press the **Red (ALT)** key on the remote control unit to select the Transponder list.
- Use the ◀ or ▶ keys to select a Transponder group that you want.
- Use the **+**, **-** , **P+** or **P-** keys to select a channel list that you want.

3.6 EPG-Electronic Program Guide

The electronic program guide gives you a channel list for the channels.

NOTE: 1. This service depends on service provider.
            2. After receiver recognized the GMT-time from the signal, which takes a few seconds it can display correct EPG information.
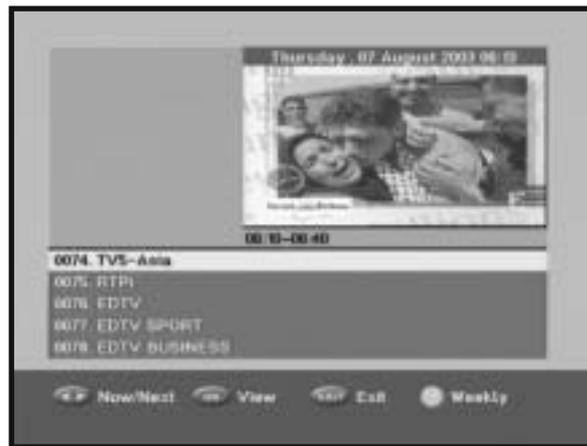
Now/Next program guide

- Press **EPG** key while you are viewing a program.
  This function is displayed on the screen by using only time.
  You will see "EPG" in the LED display of the receiver.
- ◀ , ▶ keys - Use to display the program list by 30 minutes per block.
  +, **-** , **P+** or **P-** keys - Use to select the channel you want.
- With the **TV/RADIO** key you can browse among the various programs lists.

Weekly program guide
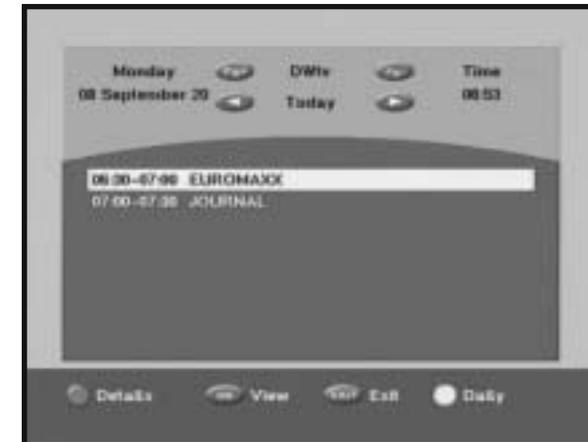
- To see the weekly program guide, press **Green (MUTE)** key.
- ◀ , ▶ keys - Use to display the program list by weekly EPG.
  P+, **P-** keys - Use to select the channel you want.
- To see the detailed program information, press the **Red (ALT)** key.
- If you want to change the program guide, press **Orange (TEXT)** key.

3.7 Subtitle

When the current broadcasting program provides subtitle, press the **Orange (TEXT)** key to see the current subtitle language list.

To change the subtitle language:

- Use the **+**, **-** keys to select a subtitle language you want.
- Press the **OK** key and then the subtitle language you want is displayed.

3.8   Teletext OSD

When the current broadcasting program provides Teletext OSD, press the **Orange (TEXT)** key to see the current Teletext OSD list.

To change the Teletext OSD list:

● Use the **+**, **-** keys to select a Teletext OSD list you want.
● Press the **OK** key and then the Teletext OSD you want is displayed.

3.9   Teletext VBI

When the current broadcasting program provides Teletext VBI, press the **Orange (TEXT)** key to see the current Teletext VBI list.

To change the Teletext VBI list:

● Use the **+**, **-** keys to select a Teletext VBI list you want.
● Press the **OK** key and then the Teletext VBI you want is displayed.

The menu display is carefully created and user friendly to assure the easy operation of the receiver by the user. The main menu is classified into five sub menus that will carry out the various operations individually.

4.1   Language Setting

When the language-setting screen is initially displayed in factory default, i. e. initial mode, select the language you prefer to use.
The menu will be displayed with the language you have selected.

4.2   Main Menu

After installing your antenna system and EURO-9700 GOLD with appropriate connectors,

● Plug in the AC mains power and switch on the receiver.
● Press MENU key to bring up the main menu. The LED display will show "MENU".
● Use **+,-** keys to browse and to select any sub menu option place the cursor on the sub menu title and press **OK** / ◄ / ► key.

The sub menu topics will be displayed from 1 to 5(refer to the User Interface structure).

● You must follow the Help menu commands at the bottom of the screen!

Before you begin with the "Installation" menu, you should check in the 4th menu "System Configuration" whether all the information there is applicable for you.

4.3 Installation

The menu provides settings for customizing, adding new services and displaying the status of the receiver.

● Select "**Installation**" in the main menu mode to configure each sub menu parameters.
● Enter the PIN code.

If you have not entered your own PIN code, then the PIN code **0 0 0 0** applies, which was set at the factory.

4.3.1 LNB Setting

You can select the satellite and LNB setting conditions to execute channel search and you can alter the settings for 22 KHz tone. The parameters set in this menu are required to perform the "Auto Scanning" and "Manual Scanning".
The necessary information can be found at your antenna and LNB brochures or you can ask your dealer.
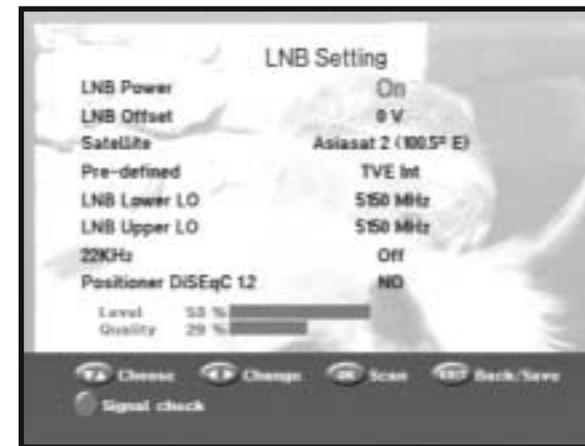
● Select LNB power supply "On".
● Select LNB offset. (+0.5V, 0V)
● Select the desired satellite name.
● Select Pre-defined channel.
● Select the LNB type (frequency).
● If you are using a Positioner, select Positioner DiSEqC1.2 ("Yes" or "No")

22 KHz: In case you are using a dual LNB or two antennas connected to a 22 KHz tone switch box, with the 22KHz tone switch (On, Off or Auto) you can switch between both LNB and antennas.

NOTE 1. The level indicated in the "Level or Quality" is only for reference. The signal quality may be adequate even though the level indicated not maximum.

NOTE 2. Signal can be checked by **Red (ALT)** key after changing parameters, without saving them.

4.3.2 DiSEqC Setting

DiSEqC (**Di**gital **S**atellite **Eq**uipment **C**ontrol) is the registered trademark of EUTELSAT.

It is the more sophisticated way of controlling the various accessories of the satellite receiving system by the receiver.
It is a master-slave protocol using the data modulated 22 KHz tone for communicating between the receiver and its accessories like LNB, switches, etc.

● Select the preferred satellite name.
● Select the proper DiSEqC Mode.
 (Off, DiSEqC A, DiSEqC B, DiSEqC C, DiSEqC D, Tone Burst A, Tone Burst B)
● Select the DiSEqC Type. (Off, User Mode, Installer Mode)

If you have a DiSEqC 1.2 motorized system, then you can take advantage of the DiSEqC 1.2 functions available.

● Select the DiSEqC Type to User Mode or Installer Mode.
● Select any transponder from above satellites and check out the Load TR, Frequency, Symbol Rate, FEC and Polarity.

In case problems arise, ask your dealer.

● Select from Menu Mode:
 "User" mode : Enables control of basic Positioner function recommended for beginners. General user uses "**User**" mode.
 "Installer" mode : Complete control of the positioner's full functions recommended for installers and professional users.
● After setting it to "**User**" or "**Installer**" mode, press **OK** key to enter this mode.
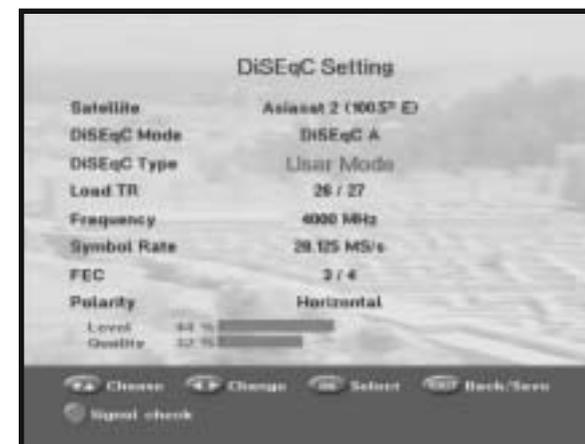
4.3.2.1 User mode

"User" mode : Enables control of basic positioner function recommended for beginners. General user uses "User" mode.
"Installer" mode : Complete control of the positioner's full functions recommended for installers and professional users.

1.2.1 User Mode
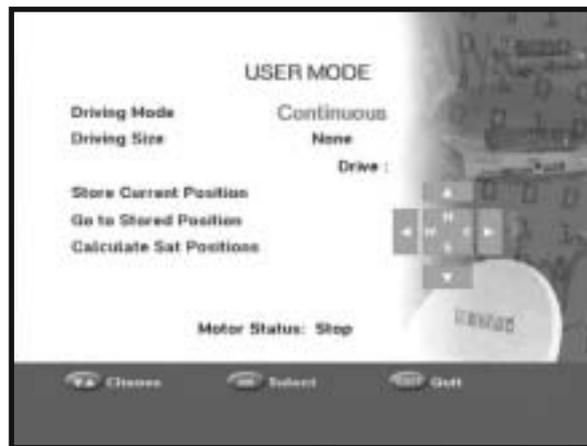
● **Select Driving Mode :**
  You have an option to choose the positioner's movement type:
  Continuous, Step or Time.
● Position the antenna with north, south, east and west and use the **+** / **-**, ◀ / ▶ key to drive motor. ◀ key drives to west, ▶ key drives to east, **+** key drives to north and **-** key drives to south.
● If you finished driving of motor, select "**Store current Position.**" and press **OK** key, to reset new driving motor.

NOTE: The level indicated in the "Signal Status" is only for reference. The signal quality may be adequate even though the level indicated not maximum.

● Go to Stored Position.
  When the stored position is reached then screen displays "**Stop**", you can now continue with the further operations.
● Select the Calculate Sat Positions to recalculate the satellite position and **OK** key.

1.2.2 Installer Mode

After checking the positioner's state, installer should use this menu.
He should set the "**Disable Limits**" before using User mode.

● Select the Drive Motor West/East and use the ◀ / ▶ keys to drive motor.
  ◀ key drives to west and ▶ key drives to east.
● Select "**Enable Limit**", in order to enable "**Set Limit**".
● Select "**Disable Limit**", in order to disable "**Set Limit**".
● Select "**Reset Positioner**" and press **OK** key to reset positioner.

4.3.3 Auto Scanning

The sub-menu "**Auto Scanning**" will enable to download the channels automatically from the preprogrammed satellites.

To download channels automatically:

You can select All/Off/Free option mode in each satellite.

Off: No Scan
All: Scan all the channels
Free: Scan free channels

● Press **OK** key.

Auto Scanning menu will be displayed.
All the channels in the list from the selected satellite will be automatically downloaded.

After scanning you will see "**Your digital receiver found...**".
Afterwards you return to Auto Scanning menu.

4.3.4 Manual Scanning

To tune-in new channels and weak signals, this STB has been provided with the option "**Manual Scanning**" where the user can enter the channel data manually.

After selecting the "**Manual Scanning**" from the Installation Menu, the following screen will be displayed:

● Select the target satellite for manual search.
● Load a transponder. This option will enable the user to load any transponder from the preprogrammed list available within the receiver.

NOTE: When you enter Frequency after setting Load TR to New, the entered information must include at least one channel to make channel save possible.

● Input the frequency of the transponder you want to find.
● Input the symbol rate of the transponder you want to find.
● Select the FEC (Forward Error Correction) of the transponder you want to find.
   You can select the value of 1/2, 2/3, 3/4, 5/6, 7/8 or Auto.
● Select the polarization of the transponder you want to find.
   (Horizontal/Vertical/Circular Left/Circular Right) In the case of horizontal, 18V and in the case of vertical, 13V are output through LNB line.
● Select Scan Mode "**All**" or "**Free**".
● Select Network Search "**Yes**".
   You can find more transponders using the home network.
● Select PID searching "**Yes**". You can manually search by entering individual PID (Packet Identifier)(Video/Audio/PCR) values.
● After select option, press **OK** key to start the scan process.

4.4   Preferences

The "Preferences" menu has five functions:

The "Preferences" menu is used to see the system information and to use system diagnostic, software upgrade, or data transfer and reset to factory default.

4.4.1 System Information

If you have to contact your service provider or a service center they might ask for information available from this menu.

Place the cursor on this sub menu and press **OK** key.
The following will be the on-screen display.

4.4.2 System Diagnostic

To find out the condition of certain parts of the EURO-9700 GOLD, you can run a diagnostic test.

Press the **Green (MUTE)** key to start the system diagnostic test.

Press the **Red (ALT)** key for video checking.

4.4.3 Software Upgrade

You can download and upgrade the software of this **STB** through Hotbird satellite when new software is released through satellites.

During downloading don't turn off the **STB**.
If there is a new version of software to download, you are asked if you will update or not.

- Select Menu mode: Auto or Manual.
- If you select Auto mode and press **OK** key, the update starts right away.
- If you select Manual mode, you can choose target satellite you want.

In case update is impossible, you get this message "**You can't update software!**" Or in case you don't need to update, "**You don't need to update software!**" will be displayed.

4.4.4 Data Transfer

If you want to copy the channel data from one receiver to another, please follow the instruction below.
Please make your own channel data, such as favorite & lock channel with your own master box.
Then take your master box when you install another box.

1. Plug on both master & slave receivers
2. Master Box (Installed Box): Stand-by Mode
3. Slave Box (Installing Box): Menu Mode
4. Connect 2 Boxes with RS232 serial cable (Both ends should have male connector with crossed signals)
5. Select the '**Preferences**' and press the **OK** key.
6. Select the 'Data Transfer' with the **+**, **-** keys.
7. Press '**OK**' to start channel data copy

NOTE: Data transfer will be available only for service purposes.

4.4.5 Factory Default

This is to recover the Factory set values in case the user has encountered some problems after changing any values of channel data and others, which may be in error.

The screen display will be as follows:

At the request window, if you press **OK** key, the receiver will be reset to factory default settings automatically.

NOTE: This causes your previous settings to be deleted!
            All settings and information including channel data will be deleted.

5. Channel Organize

The "**Channel Organize**" menu has four functions:
The "**Channel Organize**" menu is used to delete the Satellites, Transponders and Channels or to make Favorite channels or move channel as you want.

● Enter the **PIN** code.

If you have not entered your own **PIN** code **PIN** code **0000** applies, which was set at the factory.

5.1 Edit Favorite

You can change TV list or Radio list by **TV/RADIO** key and edit favorite list by **Blue (FIND)** key.
This enables you to create the various programs TV and Radio list.
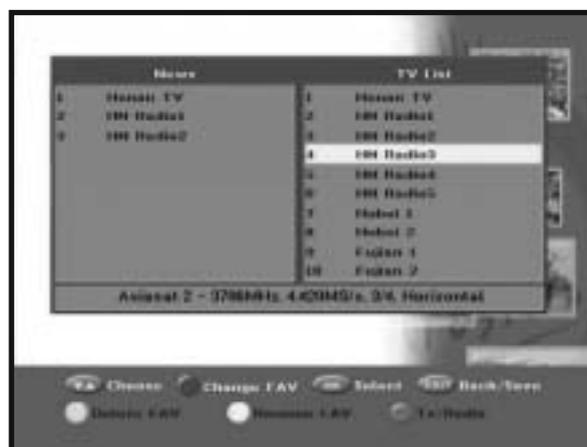
● Select the desired channel list with **+/-**, **P+/P-** or numerical keys (0-9).
● When you press the **TV/RADIO** key, TV list and Radio list are toggled.
● Press **Blue (FIND)** key to change content News / Movies / Music / Education / Sports / Drama / Cartoons / Hobby / Adults.
● Maximum 200 channels can be listed in a favorite list.

Right List : Adds a channel to the left list by pressing the **OK** key.
Left List : Deletes a channel by pressing the **OK** key.

Rename the content name or channel name
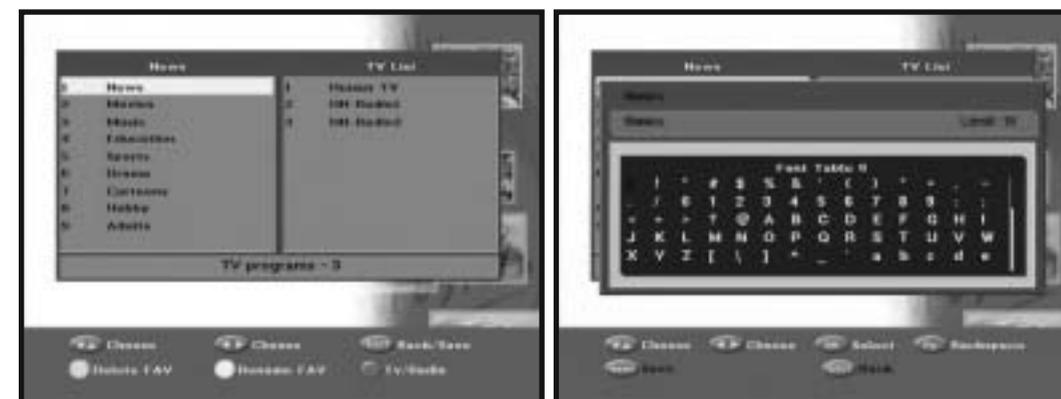
● To rename the content name or channel name, press **Orange (TEXT)** key. The program list will be displayed.
● Press **Orange (TEXT)** key again. Font Table will be displayed. Press 1...7 numerical keys for changing font table.
● Select desired character with **+/-**, ◀ / ▶ keys, and then press **OK** key to paste character to the string. Character can be deleted by **P-** key.
● When you press the **TV/RADIO** key, TV list and Radio list are toggled.
● **GREEN** key will delete a channel or favorite list when highlighted focus is on a channel or favorite list name.
● Press **MENU** key to save the set data.

5.2 Edit Channel

The Edit channel menu lets you Delete, Skip, Move or Rename channel as you want.

5.2.1 Delete Channel

Delete channel, all channels or scrambled channels from the current list.
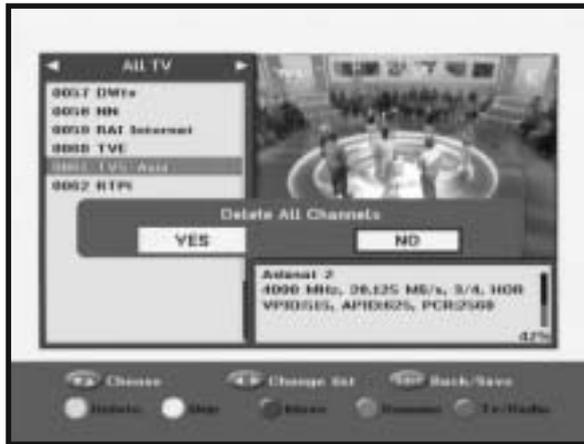
- Select TV or Radio list by pressing **TV/RADIO** key.
- Press **Green (MUTE)** key to delete channels.
  The pop up window about "delete all channels" will appear.
- If you want to delete all channels, select "Yes".
- When you select "No", the pop up window about "Delete scrambled channel" will appear.
  If you want to delete scrambled channels, select "Yes".

- Select the channel you want to delete and press **Green (MUTE)** key.
- Press **Green (MUTE)** key again to cancel the selected channel.
- Press **EXIT** key for confirmation.

5.2.2 Skip Channel

You can skip channel from the current list.
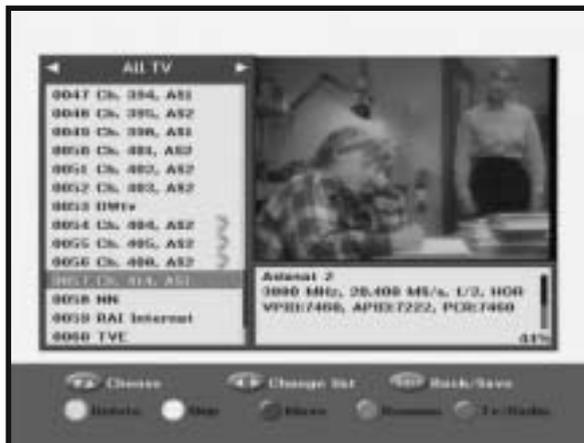
- Select TV or Radio list by pressing **TV/RADIO** key.
- Select and Skip a particular channel and press the **Orange (TEXT)** key.
  Select all the channels you need to skip in the same way.
- Press **EXIT** key for confirmation.

Skipped Channel will be bypassed while scrolling on the TV/RADIO channel list.

5.2.3 Move Channel

You can move channel from the current list.

- Select the desired list with ◀ / ▶ or **TV/RADIO** keys.
- Select channel by pressing **Blue (FIND)** key.
- Press **+/-**, **P+/P-**, or 0...9 keys to change the position of the channel you want, and press **EXIT** key for confirmation.
- Press **Blue (FIND)** key again to return to previous state.
- If you want to return the channel to its initial position, do not save the changes made in this menu.

5.2.4 Rename Channel

You can edit channel name, as you want.

- To edit channel name, press **Red (ALT)** key.
  Font Table will be displayed. Numerical 1...7 keys are used for changing Font tables.
- Select desired character with **+/-**, ◀ / ▶ and then press **OK** key to paste character to the string and press **P-** key to delete it.
- Press **MENU** key to save the set data.

5.3　Edit Transponder

You can delete the transponder on the transponder list.
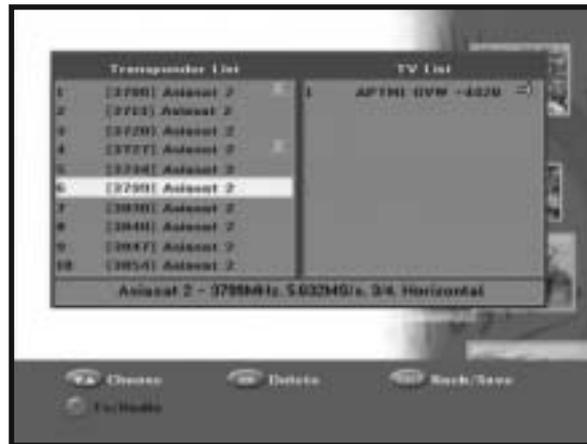
● Select the desired transponder list you want to delete by pressing **OK** key.
● Press **EXIT** key for confirmation.

5.4　Edit Satellite

You can rename or delete the satellite list, as you want.
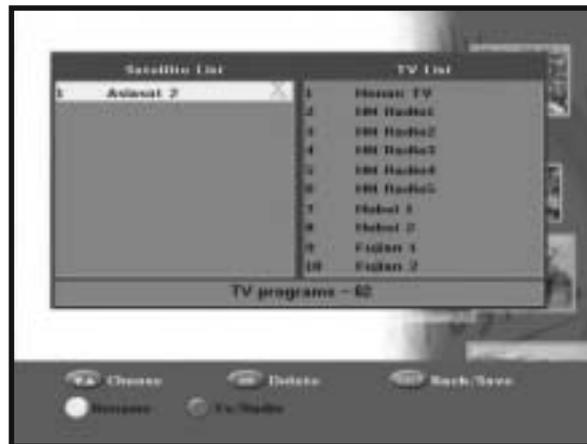
● Select the desired satellite list you want to delete by pressing **OK** key.
● To edit satellite name, press **Orange (TEXT)** key.
● Press **EXIT** key for confirmation.

NOTE:　　This feature doesn't delete satellite itself but deletes the list of channels registered for satellite.

The system configuration mode supports the STB internal settings according to the connection of the receiver and external units.

6.1　Language Selection

The "**Language Selection**" option allows the user to select the desired language of the OSD, Soundtrack, Teletext, Subtitle or EPG.

● To accommodate user from different regions speaking different languages.
● To select the desired language menu, press ◀ / ▶ keys to change language and press **OK** key.
  The OSD Language, Soundtrack, Teletext, Subtitle, or EPG will vary according to the selected language.

6.2 Time & Timer Setting

- Place the cursor on this sub menu and press **OK**.
- Press the ◀ / ▶ keys to change the Local time in Time Zone. The local time will be changed according to your location.
- Select the Timer you want by pressing ◀ / ▶ keys.
- Press the ◀ / ▶ keys to choose event repetition you want to reserve: Once, Daily, Every Sunday, Every Monday, Every Tuesday, Every Wednesday, Every Thursday, Every Friday, Every Saturday.

- Press the **Numerical (0 ~ 9)** keys to set the time you want and press the ◀ / ▶ keys to choose a switch time you want to reserve.
- Select TV program to set the event program by pressing ◀ / ▶ keys or 0...9 keys. When you press the **TV/RADIO** key, TV program and Radio program are toggled.
- Press the **Green (MUTE)** key to delete the Timer you had set.
- Press **OK** key to save set data.

6.3 RF Channel
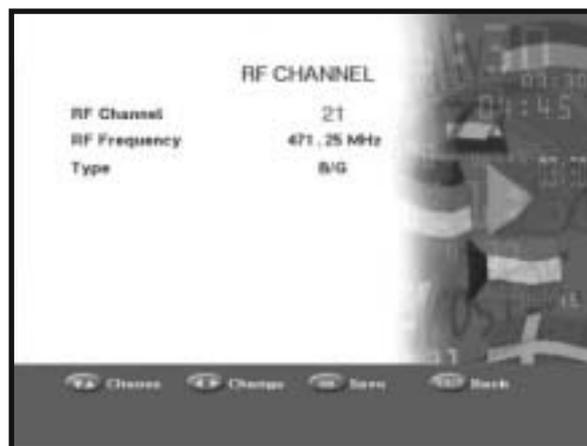
- Place the cursor on this sub menu and press **OK** key. Using ◀ / ▶ keys, you can vary the RF channel output of the receiver.
- The other option will enable the user to vary the RF output to either B/G, I, D/K mode.

6.4 TV Type
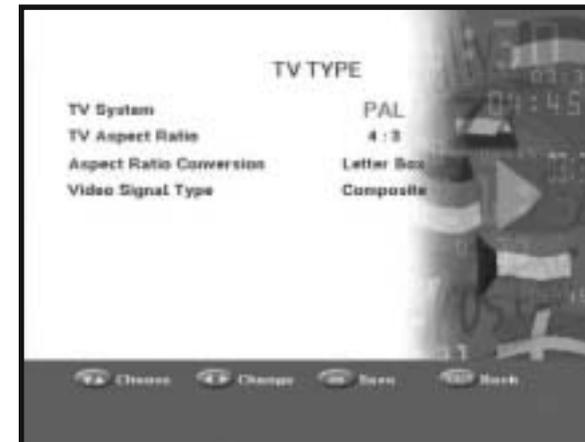
You can set the various media settings you want.
Place the cursor on this sub menu and press **OK**.

- Select the TV system: PAL, SECAM, NTSC, PAL➔(auto)NTSC, SECAM➔(auto)NTSC, NTSC➔(auto)PAL, NTSC➔(auto)SECAM
- Select the **TV** type according to your **TV**: **STANDARD** 4:3 ratio or **WIDE SCREENS** 16:9 ratio types.

- Select the aspect ratio conversion: Letter Box, Pan & Scan, Mixed or Full
- Select the Video Signal Type: Composite

6.5 OSD Setting

You can set the OSD transparency and the display time.

- Select OSD Transparency type. The OSD Transparency level from 0 to 100%.
- Set the display duration of the information (banner) box displayed in the screen. The time ranges from 0.5 to 60.0 seconds.
- Select the Radio Background: on or off.
- Select the Volume per channel: on or off. If it is set to "On", the volume level will be stored for each channel separately.
- Select the page up down Tab: from 0 to 50

- Select the Lock per channel: On/Off
- Press **OK** key to save.
- Transparency level and Banner timeout will be adjusted with ◀ / ▶, **P+/P-** and 0...9 keys. "Lock per channel" is set to "On", whenever locked channel is selected, you are always requested to input PIN code.

7. Parental Lock

This "Parental Lock" feature sets viewing restrictions and prevents unauthorized access to your STB through the PIN (**P**ersonal **I**dentification **N**umber), which is a 4-digit number.
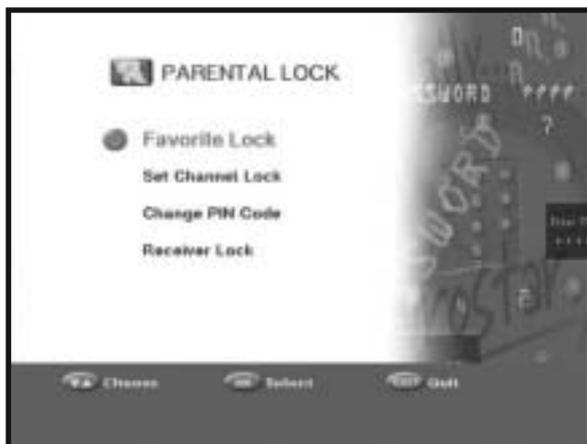
7.1 Favorite Lock

You can set the favorite channel lock by content item.

● Select the content item you want to lock by using **+/-** keys and then press **OK** key.

All channels that have been set by each content item are locked.

NOTE 1: If you already made your favorite channel in "**Edit Favorite**" menu of the "**Channel Organize**", you can use this menu.

NOTE 2: To set the channel list by individual lock, you should use "7.2 Set Channel Lock" menu.

7.2 Set Channel Lock
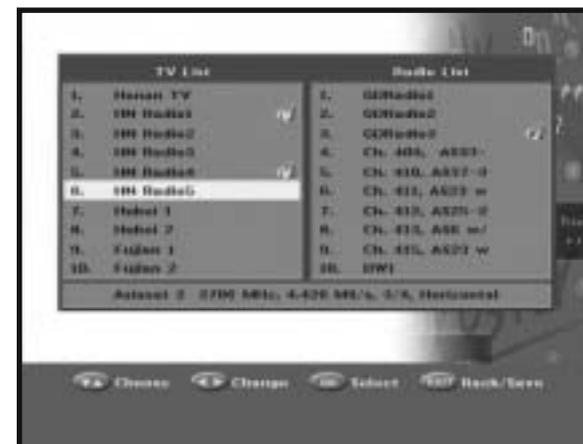
● Select the channel by pressing **+/-**, ◄ / ► keys.
● Select the channel lock by pressing **OK** key.
● Press **EXIT** key for confirmation.

This will lock the channel. Whenever you need to view the channel, you will have to enter the PIN code at the request window.

To cancel the lock:

● Press **OK** key again, in order to cancel the lock function.

7.3 Change PIN Code

To change the PIN code, select the second option "**Change PIN Code**".
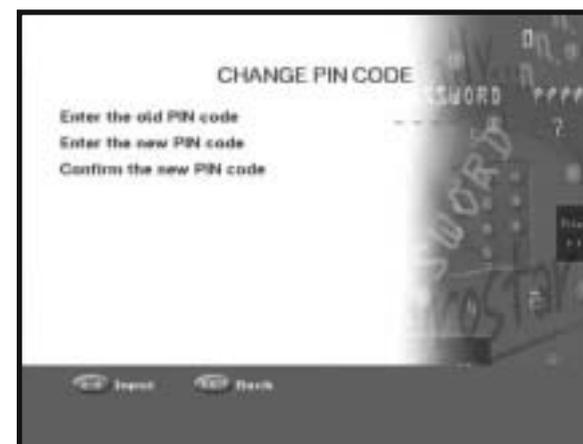
This will take you to the following menu:

In this option, you need to enter the current PIN code at the first cursor, and at the second cursor enter the desired PIN code.

To confirm, you need to enter the new PIN code again.
Please remember the PIN code that should be a 4-digit numerical value.

THE FACTORY PRESET PIN CODE: **0 0 0 0**.

NOTE: If you forget the PIN Code, please refer to the following instruction:

    1. Press **MENU** Key on the RCU.
    2. Select "**Preferences**".
    3. Select "**System Information**".
    4. Press "**0000**" (A pop-up message appears that shows the password)

7.4   Receiver Lock

If you select "Locked", you will have to enter the PIN code every time you start the receiver from standby.

● Press ◄ / ► keys to set the receiver lock.

Problem	Possible cause	Solution to the problem
The display LED at the front panel is not illuminated. No power supply.	Power cord is not plugged or inserted properly.	Check and plug the power cord properly.
No video/picture at the TV screen	Receiver is in Standby mode;	Set the receiver to power "On".
	RCA is not connected tightly to receiver RCA connector.	Check RCA cable connection and connect it properly.
	Incorrect channel or video input selected at the television	Check the selected channel and video input and vary accordingly.
No sound	RCA cable is not connected properly to receiver connector.	Check connection and correct it accordingly.
	Volume level is set to minimum.	Increase Volume level in both TV and receiver
	Mute function is activated.	Press the MUTE key
The Remote Control is not functioning.	Incorrect remote control handing	Point the remote control towards the Receiver
	Batteries are discharged or inserted incorrectly	Replace the batteries or insert them properly.
Poor / freezing picture quality	Signal strength to low	Check the signal strength in the "Auto Scan" menu and align the dish properly.
On-Screen Error Message "Searching for signal"	Antenna cable is not tightly connected.	Check the cable and tightened its connection
	Defective LNB.	Change the LNB.
	Incorrect alignment of the satellite antenna. "LNB POWER" is set to "Off" in LNB setting menu.	Align the satellite antenna properly and Check the signal strength in the "Auto Scan" menu
On-Screen Error Message "No programs are stored."	No Satellite channel stored.	Select "Auto Scanning" or "Manual Scanning" menu and do the scanning.

6. TECHNICAL SPECIFICATIONS

1. User section

4000 programmable channels,
Software download via PC/Satellite,
Advanced Electronic Program Guide,
Multi-language support for OSD,
DiSEqC 1.2 supported.
Full function infrared remote control unit,
7 segment LED display,
Auto and Manual scanning facility,
Channel Organizing (programmable),
RCA output, Low power Consumption,

2. Tuner section

950 ~ 2150 MHz wide band tuner,
Support DiSEqC 1.2 version,
13 V/18 V switching,
22 KHz continuous tone control

Power supply

Type:	SMPS
Input voltage:	AC 100 - 240V~, 50/60 Hz
Fuse rating:	250 V T1.6 AH

Tuner

Freq. Range:	950 ~ 2150 MHz
Input signal level:	-65 ~ -25 dBm
Channel selection:	PLL frequency synthesizer
Input impedance:	75 Ω unbalanced
Connector type:	F type female
LNB power control:	13 V/18 V, 22 KHz tone
DiSEqC:	1.2 supported

3. Video section

DVB-S compliant,
MPEG-2 video (MP@ML)
2 - 45 MS/s symbol rate
Modulator output,
Compatible for both SCPC/MCPC,
Supports aspect ratio 4:3 (normal)
and 16:9 (wide screen)

4. Audio section

MPEG 1 audio layer I & II
Mono, Dual, Stereo and Joint stereo
audio mode,
32, 44.1 and 48 KHz sampling
frequencies,
Volume control and Mute function
through RCU

Demodulator

Type:	QPSK DEMODULATION (DVB-S)
Symbol rate:	2 ~ 45 MS/s
Inner FEC:	Viterbi Convolutional Coding Rate - 1/2,2/3,3/4,5/6,7/8
Outer FEC:	Reed Solomon Coding (204,188) t = 8

Video decoder

System decoding:	MPEG 2 ISO/TEC 13818 (transport stream)
Profile and level:	MPEG 2 MP@ML (4:2:2)
Data rate:	1~ 15 Mb/s
Video formats:	4:3 (normal) & 16:9 (widescreen)
Picture resolution:	720(H) x 576(V) x 50 fields/sec

Audio decoder

System decoding:	MPEG 1 ISO/TEC 11172~3 layer I & II
Audio mode:	mono, dual, stereo, joint stereo
Sampling frequency:	32,44.1,48 KHz

A/V output

RCA JACK:	VIDEO (CVBS), AUDIO R&L

RF Modulator

Modulator output:	CH 21-69 (preset to CH 21)
Video type:	PAL B/G, D/K, I
UHF output level:	70±5 dBµV
Output connector:	IEC male
Ant. O/P connector:	IEC female
Tuning method:	PLL frequency synthesizer

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