

User's Guide

DIGITAL SATELLITE RECEIVER DF 6000 CR



Digital Satellite Receiver

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General Information

A Digital Satellite Receiver is a convenient product that allows you to view a variety of programs provided through satellite. This user's guide covers the installation of the DSR and the necessary steps to implement various features. This also explains special features available only in this DSR in detail, which will allow you to make full of these feature.

Main Feature of Receiver

- Fully MPEG2, DVB compliant
- DiSEqC1.2 positioner for multi-satellites (128 satellites)
- C/Ku band control for each antenna
- Digital Audio with AC-3 support by SPDIF
- PIG (Picture In Graphic) support
- Provide friendly and easy-to-use menu system
- Various channel editing function
(favorite, moving, locking, renaming, deleting and sorting)
- User programmable various satellite & transponder information
- Automatic search for newly added transponder (Network Auto Search)
- Stores up to 5000 channels
- Easy and speedy software upgrade through RS-232 port
- Plug-and-play data transfer system (DSR to DSR)
- Timer function, automatically turns On/Off by setting function
(daily, weekly, monthly and one time)
- Automatic reserved channel moving system
- Provide Electronic Program Guide (EPG)
- OSD Teletext (DVB ETS 300 706) and Subtitle function support
- VBI Teletext support
- Antenna positioning help feature
- Selectable video output – CVBS, RGB
- Provide various switch types, LNB types and NTSC/PAL monitor type
- SCPC/MCPC receivable from C/Ku band satellite
- Multi LNB controlled by DiSEqC 1.0, 22KHz and 0/12 volt switching
- 256 colors On-Screen-Display
- PAL/NTSC automatically conversion
- Last channel automatically saving

General Information

For Your Safety

- Allow clear space around the Receiver for sufficient ventilation
- Do not cover the Receiver or place it on a unit that emits heat
- Use a soft cloth and a mild solution of washing-up liquid to clean the casing
- Do not connect or modify cables when the Receiver is plugged in.
- Do not remove the cover
- Do not allow the unit to be exposed to hot, cold or humid conditions
- Never allow liquids, spray or other materials to come into contact with the inside of the Receiver.

Unpacking

After purchasing the DSR, unpack it and check to make sure that all of the following items are included in the packaging.

- 1 x Remote Control Unit (RCU)
- 2 x AAA batteries
- 1 x User's Guide
- 1 x DSR

General Operation

Throughout this manual you will notice that the everyday operation of your Receiver is based on a series of user friendly on screen display and menus. These menus will help you get the most from your Receiver, guiding you through installation, channel organizing, viewing and many other functions.

All function can be carried out using the buttons on the RCU, and some of the function can also be carried out using the buttons on the front panel.

If at any time when you using the menus you want to return to the normal TV mode, press the TV/AV button.

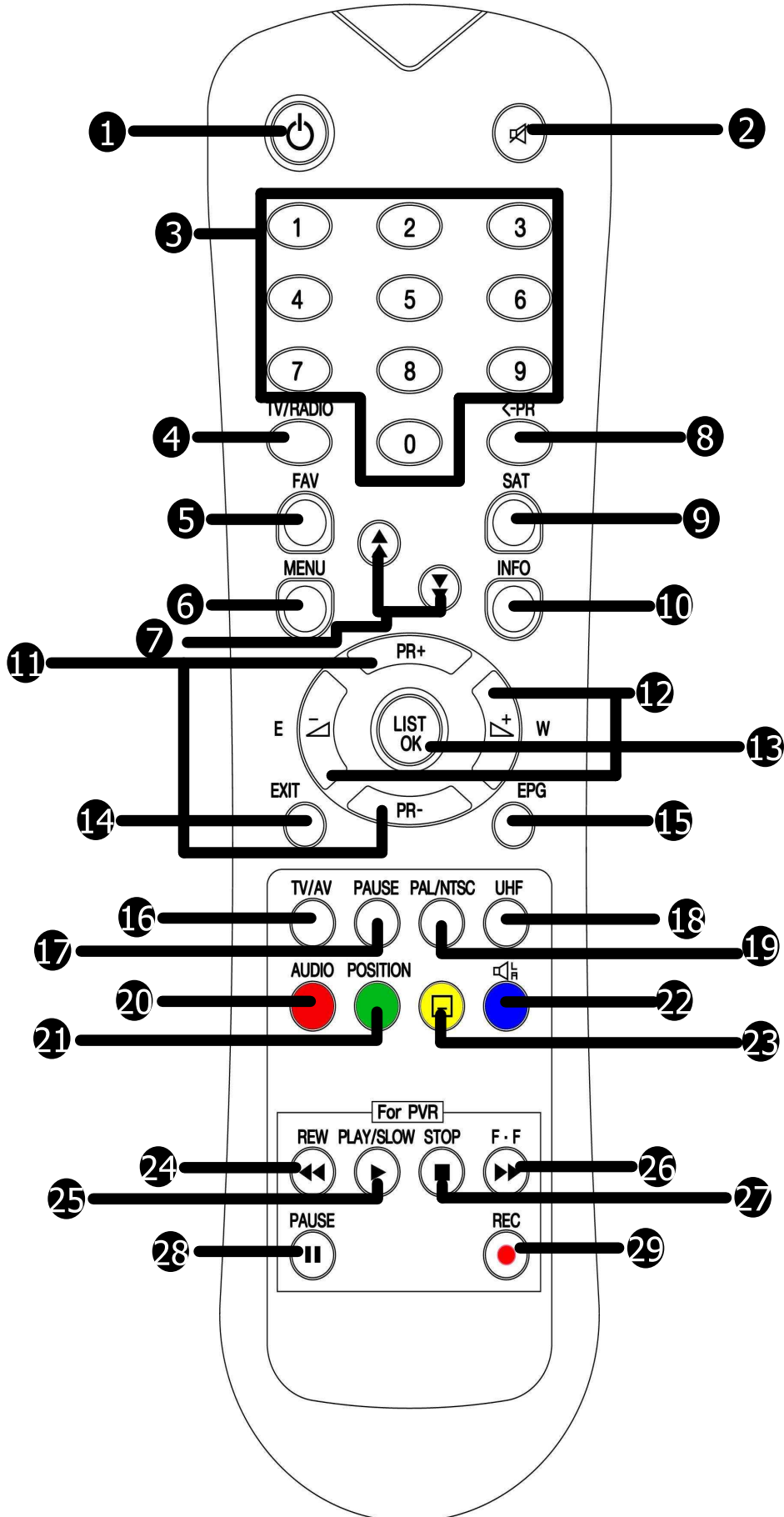
The Receiver is easy to use, always at your command and adaptable for future advances.

Please be aware that new software may change the functionality of the Receiver

Should you experience and difficulties with the operation of your Receiver, please consult the relevant section of this manual, including the Problem Shooting, or alternatively call your dealer or a customer service adviser.

General Information

Remote Control Unit (RCU)



General Information

Remote Control Unit (RCU)

- 1  Turns power On/Off of the DSR
- 2  When watching a channel, mutes the sound
- 3 0~9 Enter number of the required menu item or select a channel number to watch.
- 4 **TV/RADIO** Switches between TV and Radio mode.
- 5 **FAV** Display the favorite channel list.
- 6 **MENU** Press this key one time to run menu on screen, and call command box.
- 7  Moves up/down a page in the channel list.
- 8  **PR** Switches back to previous channel.
- 9 **SAT** Display the satellite list of searched channel.
- 10 **INFO** Shows information of the current channel.
- 11 **PR+**, **PR-** When watching a channel, change channels or moves to the next higher or lower item in the menu.
- 12  When watching a channel, adjust the volume or move to the left or right item in the menu.
- 13 **LIST OK** Executes the selected item in the menu screen or enters the desired value in any input mode.
- 14 **EXIT** Returns to the previous menu on the menu screen or escape from the menu.
- 15 **EPG** Calls up the EPG(Electronic Program Guide)
- 16 **TV/AV** Switches between TV or AV mode.
- 17 **PAUSE** Press once to pause the screen picture, press once again to go to the normal mode.
- 18 **UHF** Switches to UHF tuning mode.
- 19 **PAL/NTSC** Switches between PAL or NTSC mode.
- 20 **AUDIO** When watching a channel, switches the audio languages.
- 21 **POSITION** Display position bar on the screen to adjust the antenna or for manual search.
- 22  Selects the different audio modes.
- 23  Switches into teletext mode.
- 24 **REW** Rewind program with 3 step speed
- 25 **PLAY/SLOW** Display file list in Live mode. Playback program by normal or slow speed.
- 26 **F.F** Fast forward program with 3 step speed.
- 27 **STOP** Stop recording or playback.
- 28 **PAUSE** Pause screen and audio. Start recording in Live mode.
- 29 **REC** Record program.

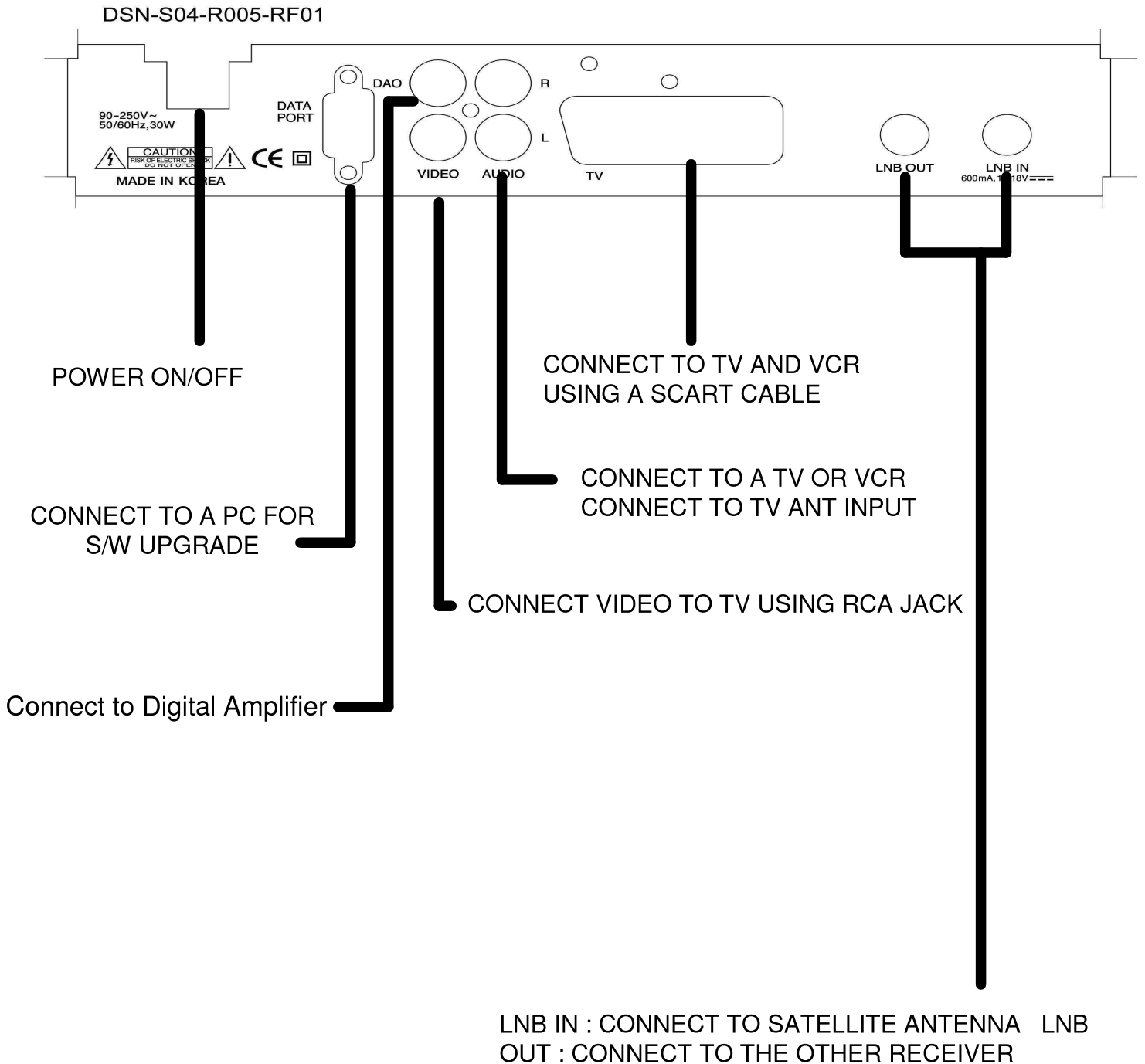
General Information

Front Panel



General Information

Rear Panel



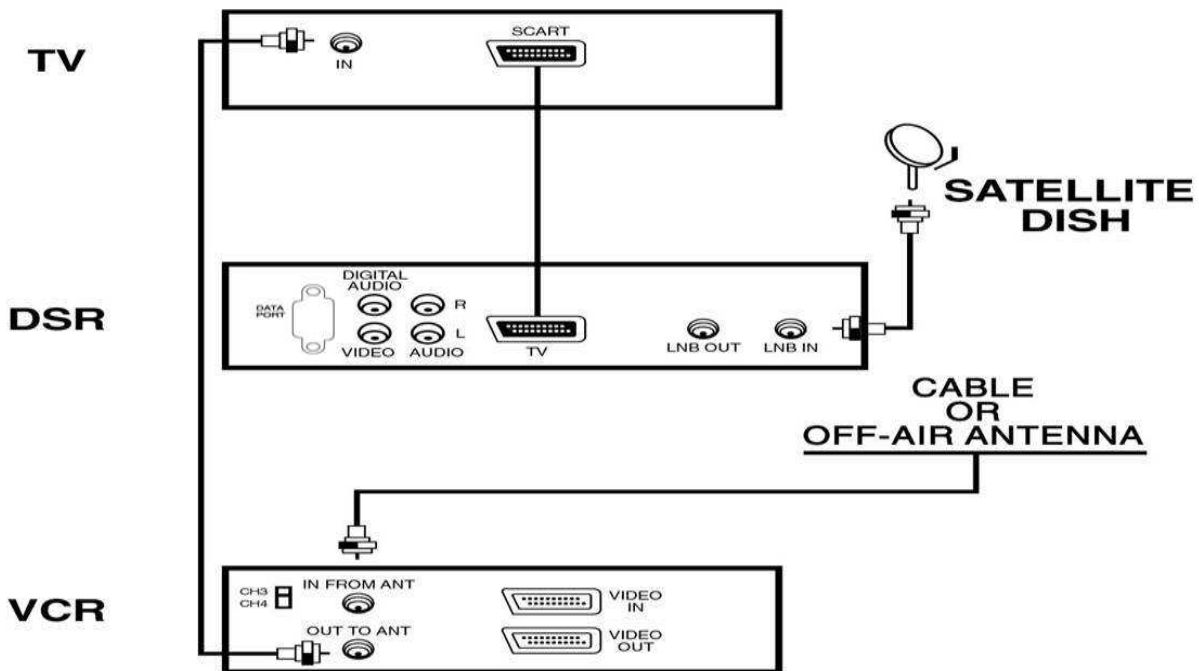
Installation

This section explains the installation of Receiver. Refer to the manuals supplied with the equipment for the installation of outdoor equipment such as the dish antenna. When adding new equipment, be sure to refer to the related parts of the manual for the installation.

Connection to ANTENNA & TV

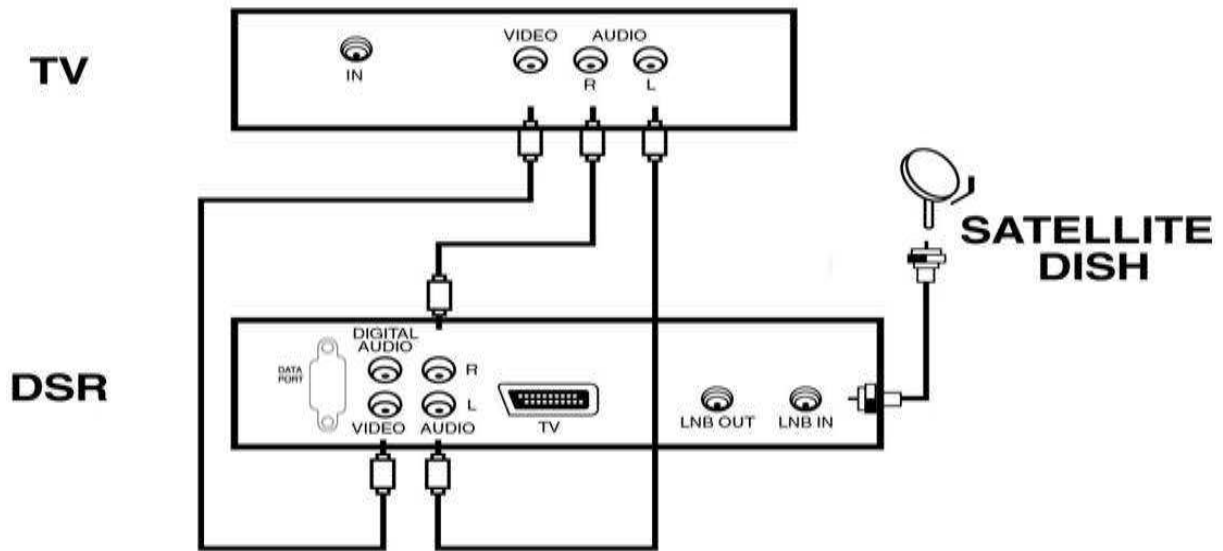


Connecting to TV & VCR using SCART support



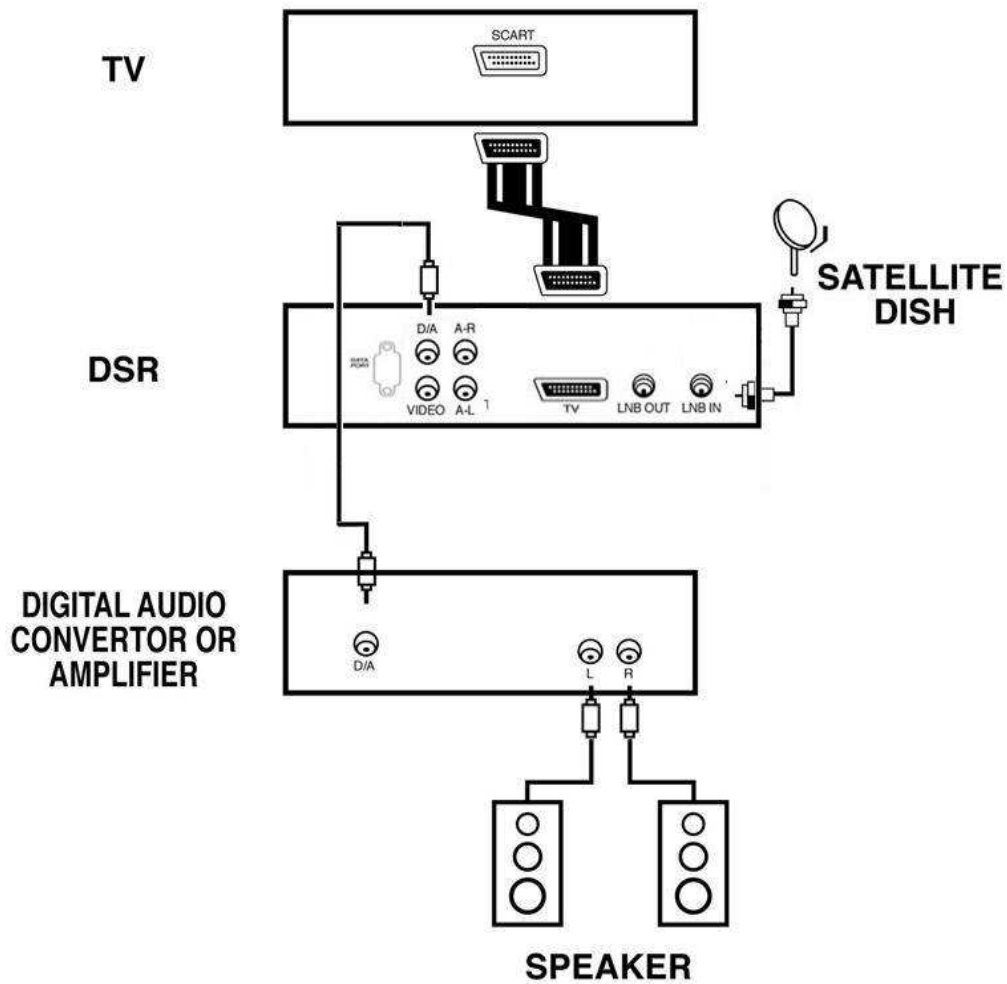
Installation

Connecting to TV using RCA support



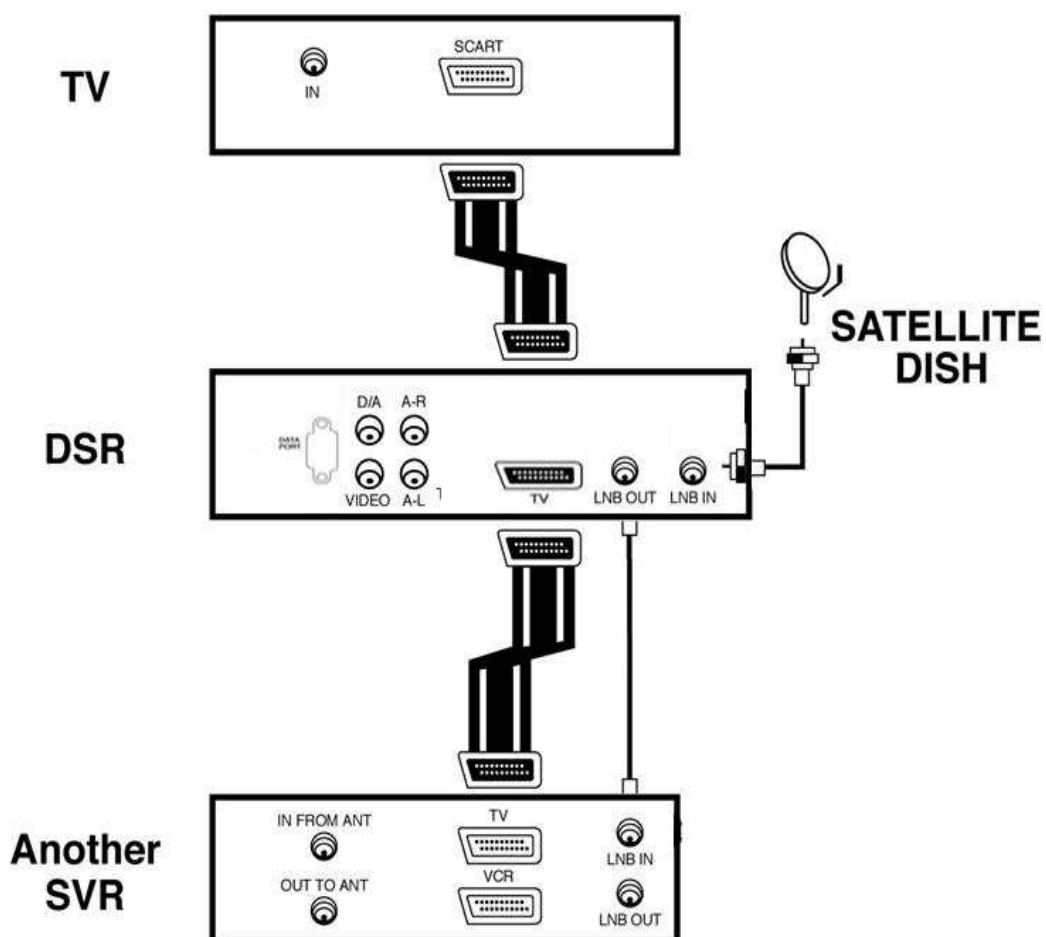
Installation

Connecting to Digital Amplifier



Installation

Connecting to another DSR



Menu Information

Once you have correctly connected the Receiver, the menu will be displayed

This menu consists of 5 major main menus as below.

- Channel Manager
- Program Guide
- Timer
- User Installation
- Utility (Receiver Information, Game)



To move up and down, press "PR+ or PR-". To move left and right, press \leftarrow \rightarrow keys on the RCU. Place cursor on the "User Installation", then sub-menu will be displayed on the screen. (Refer to the picture)

★ Short-Cut Color Keys ★

- (RED) Ant.Help
- (GREEN) Fixed
- (YELLOW) USALS
- (BLUE) CH Search

You can also use short-cut color keys at the bottom of the menu box

User Installation

This menu consists of 6 major sub-menus as below.

- Channel Manager
- Program Guide
- Timer
- **User Installation**
- Utility
- Conditional Access



Antenna Setup-1)DiSEqC 1.2

1)Antenna : You can select maximum 16 antennas with the combination switches.

2)Satellite : Select your satellite type.

3) LNB1, 2 : Enter the proper LNB frequency referring to your LNB using numeric key on the RCU or use KEY PAD displayed by pressing OK key.

If you have a dual LNB, enter the proper value in the both of value box.

4) Switches (0/12 Volt, 22KHz Tone,, DiSEqC) : You can select the switches with which you want to configure the antenna.

5) C/Ku band control : You can select C/Ku band control by switches types.



User Installation

Channel Search-1)DiSEqC 1.2

1) **Antenna** : Select your antenna number.

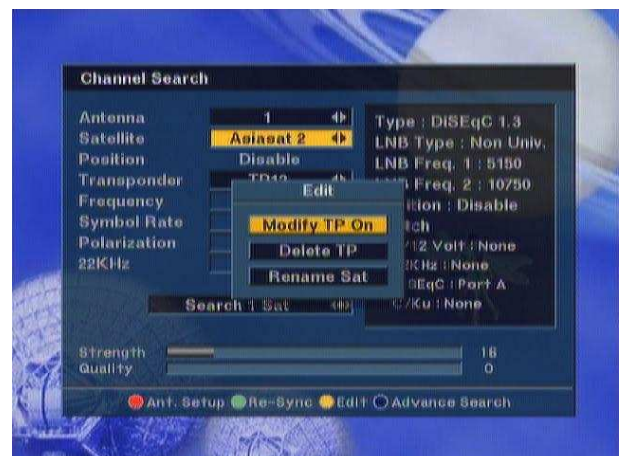
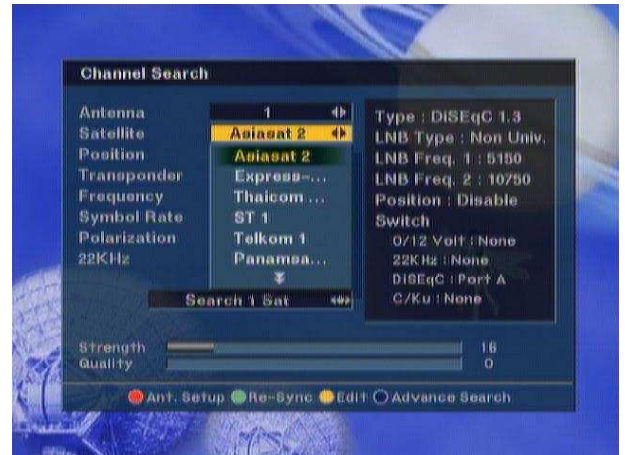
2) **Satellite** : Select desired a satellite using \leftarrow \rightarrow keys or if you press **OK** key the Down List Box will be displayed so that you can choose easily.

You can see the information of selected satellite in the right side.

Edit Mode : If you want to edit those preprogrammed data such like a Transponder, Frequency, Symbol Rate, Polarization, and 22 KHz, please press **MENU** key on the RCU to display the command box. Check edit mode by pressing \bullet Edit (YELLOW KEY) key on the RCU and then you can move into those columns to change the value.

3) **Position** : After selecting a satellite, please select Position button and then keep pressing **E** or **W** key on the RCU until selected satellite is locked. If the satellite is locked correctly, the color of signal label bar will be changed to yellow.

Then press **OK** key on the RCU, the message of "Would you like to set the value of current positioner?" will be displayed for your confirmation.



User Installation

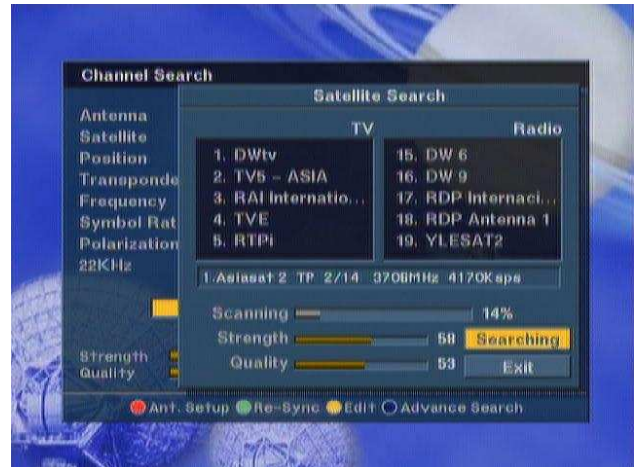
Channel Search-2)Fixed

1) **Antenna** : Select your antenna number.

2) **Satellite** : Select desired a satellite using \leftarrow \rightarrow keys or if you press **OK** key the Down List Box will be displayed so that you can choose easily.

You can see the information of selected satellite in the right side.

Edit Mode : If you want to edit those preprogrammed data such like a Transponder, Frequency, Symbol Rate, Polarization, Skew and 22 KHz, please press **MENU** key on the RCU to display the command box. Check edit mode by pressing **OK** key on the RCU and then you can move into those columns to change the value.



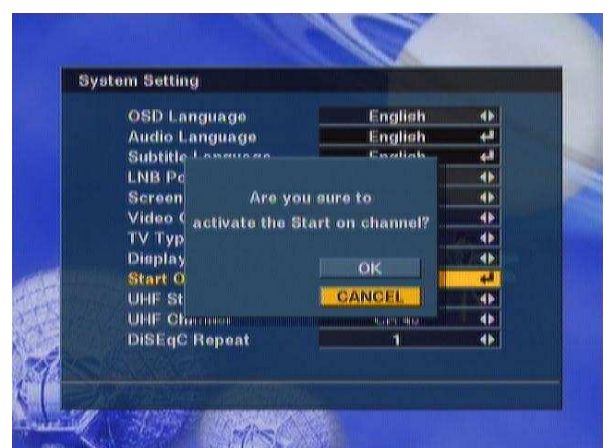
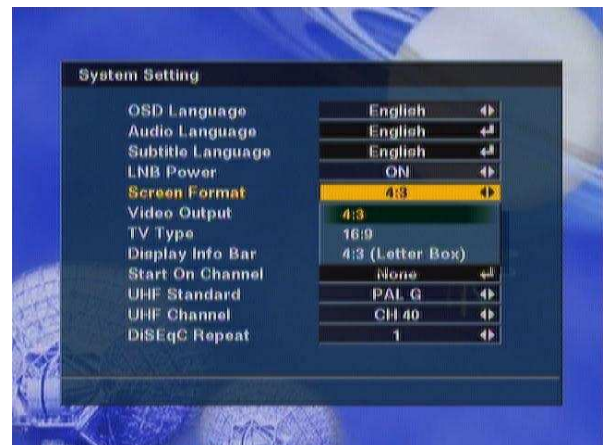
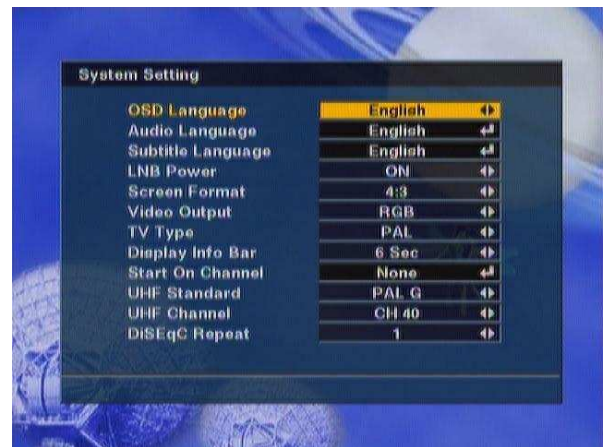
After setting all necessities, please push **CH Search (BLUE KEY)** on your Remote to finish antenna setup menu and move to channel search page.

User Installation

System Setting

System Setting menu allows you to change the principal option and to set other items proper to your environment by pressing OK key on the RCU.

- 1) **OSD Language** : Select your desired language
- 2) **Audio Language** :Select your desired language
- 3)**SubtitleLanguage**:Select your desired language
- 4) **LNB power** : If your Receiver is connected to LNB, select YES. But if your Receiver is connected to other receiver through Loop Through support, you should check which receiver is connected directly to LNB. In case if that other receiver is directly connected to LNB, select OFF.
- 5) **Screen Format** : If your TV supports 16:9 screen format and selected channel provides 16:9 format program, select 16:9.
- 6) **Video output** : If your SCART supports RGB control, select RGB. Otherwise select CVBS.
- 7) **TV type** : Select the type according to your TV type,
- 8)**Display Info Bar** : If you select ON, you can adjust to display time on channel.
- 9) **Start On Channel** : If you press **OK** key, then the channel list is displayed. You can select one channel of the list, the selected channel starts whenever you turn on DSR.
- 10)**UHF Standard**: Select UHF type.
- 11)**UHF Channel**: Select your desired UHF channel for satellite mode.
- 12) **DiSEqC Repeat** :retry to fixed time for DiSEqC.

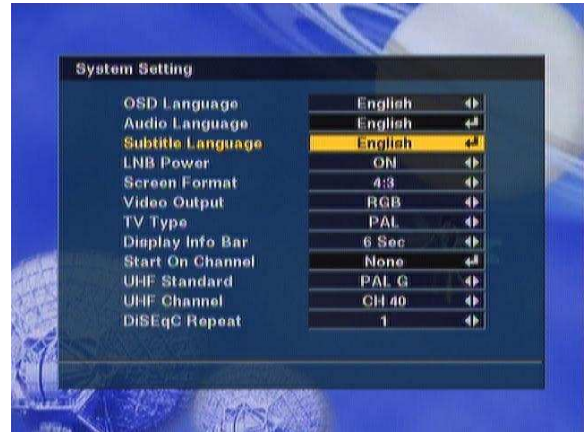


User Installation

System setting

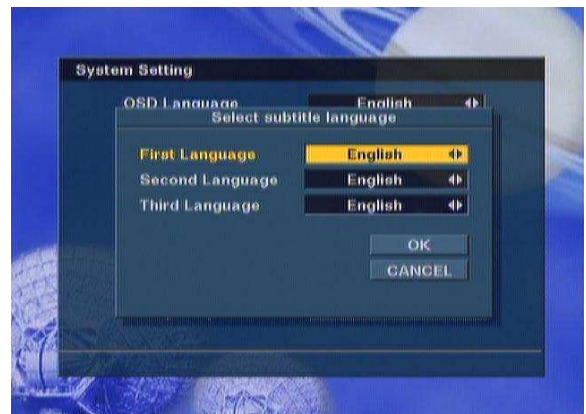
13) Subtitle language

Press “OK” in the subtitle language.

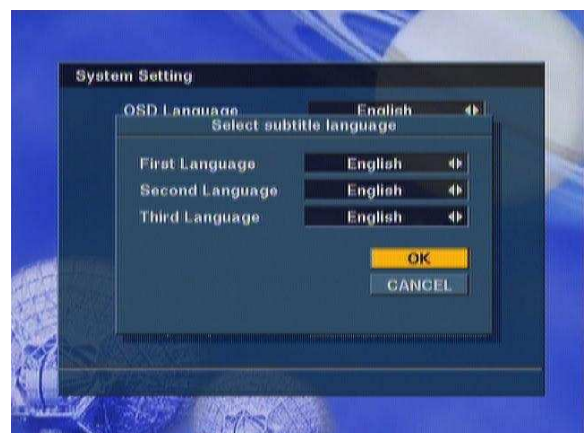


If you select “ON” in the subtitle control, Subtitle function will be always on as a default.

Select your desired subtitle language as shown in the right screen shot.



Press “OK”



User Installation

Parental Lock

This function allows you to lock the channel with your password in order to prevent from accessing the channel by your children or any other person.

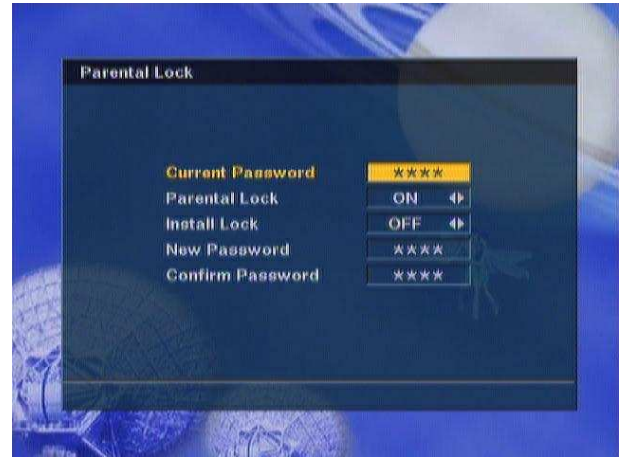
And also you can protect your installed data and information using Install Lock.

★ How to change Password


- 1) Enter the current password.
- 2) Select ON of Parent Lock.
- 3) Enter new password.
- 4) Confirm your new password entering new password again.

Note : Default password is 0000.

Warning : Do not forget your password in order not to fail to view the channel.



★ How to use Parent Lock

- 1) If you activate parent lock function, go to the TV channel Manager Page.
- 2) Press Open command box and select Lock
- 3) Select channel the which you want to Lock
- 4) Press OK then  symbol is marked.
- 5) Exit this menu and turn off the Receiver

Note : To activate Parent Lock, you have to turn off Receiver once.

And turn on the Receiver and select channel which is locked. Then enter your password.

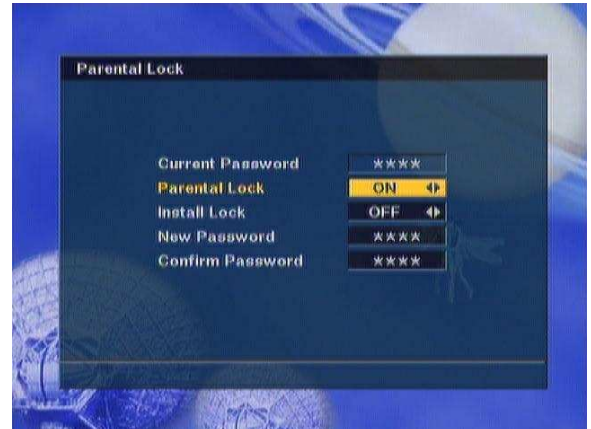
User Installation

★ How to use Install Lock

- 1) Enter the current password.
- 2) Select ON of Install Lock
- 3) Enter new password
- 4) Confirm your new password entering new password again
- 5) Exit this menu and Turn off the Receiver
- 6) Turn on Receiver and press **MENU** key on the RCU
- 7) Select any menu and press **OK** on the RCU .
- 8) Then Enter Password Box will be displayed.
- 9) Unless enter correct password, you can not run any menu.

Note : Default password is 0000

Warning : Do not forget your password in order not to fail to operate Receiver

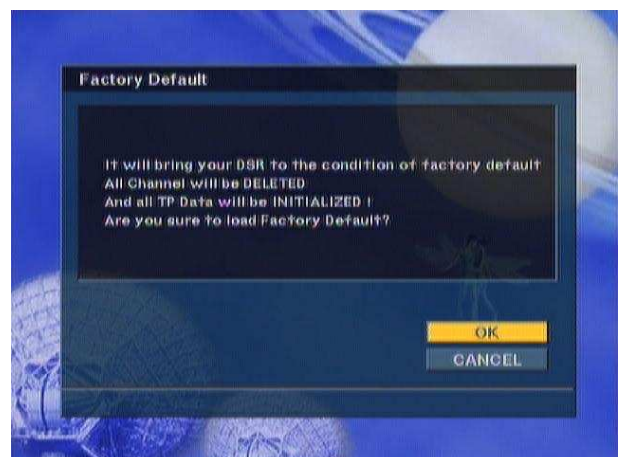


Factory Default

If you want to bring Receiver back to the factory default condition, select Factory Default and press **OK** key.

Then Warning message will be displayed. To confirm select OK and press **OK**.

Warning : You will lose all of data and information which was installed.



General Function

The following describes the basic functions of your DSR while watching satellite TV or listening to satellite radio.

DSR enables you to watch various scrambled channels by inserting the Smartcards according to your choice.

While watching, the current channel information will be shown on the bottom of the screen if you press **INFO** button on the RCU.

Select Channel

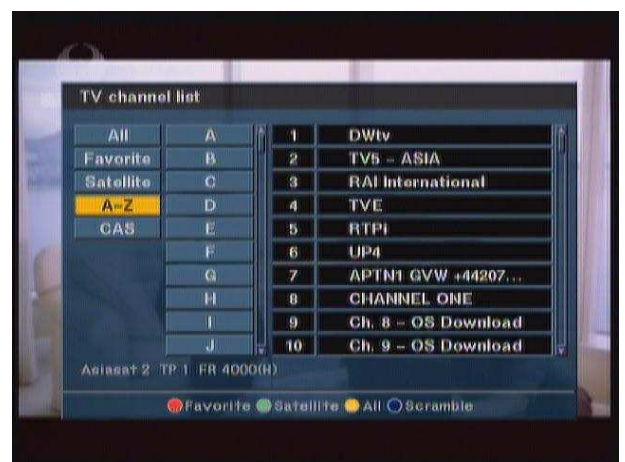
If you want to select channel, use CH key on the front panel, **PR+**, **PR-** key on the RCU or numeric key on the RCU to select a channel and press OK key on the RCU.

In addition to the above normal function, DSR provides more convenient channel change function.

While watching, press **OK/LIST** key on the RCU or front panel. Then channel list will be displayed on the screen. If press **EXIT** key, the channel list will be disappeared.

You can sort channel list by All, Favorite group, Satellite, Alphabet as follows.

- 1) All** : It shows you all channel list sort by alphabet.
- 2) Favorite group** : You can make favorite group in the menu of channel manager. It shows that group, and you can select one favorite group, then channel list belongs that group will be displayed.
- 3) Satellite** : If you select 'Satellite', the list of satellite searched in DSR will be displayed. Then you can select satellite you want. After that, you can see channel list belongs to the satellite.
- 4) Alphabet** : If you select A or B... channel list(head of channel name A or B...) will be displayed.



General Function

Pause the frame

Press **PAUSE** key on the RCU to pause the screen. To bring it back to the normal mode, press **PAUSE** key once again.

Previous channel recall

Press **←PR** key on the RCU to move the previous channel which you were watching before the current channel.

TV & Radio mode

While watching a TV channel, press **TV/RADIO** key on the RCU to move to the radio mode. Press this key once again, it will bring you back to the TV mode.

TV & VCR mode

By pressing TV/AV key on the RCU, you can change the mode from satellite to TV or VCR. Press once to move to the TV mode and LED displays TV.

Press twice to move to the VCR mode and LED displays VCR.

Press three times to move back to satellite mode and LED displays the channel number.

General Function

Channel Information

Every time you change channels, you will receive program information for a few second.

While watching channel, you can see the current channel information anytime by pressing INFO key on the RCU.

Note : Channel information will be displayed for 6 seconds and disappeared. You can adjust the display time interval from 2 to 12 seconds.



Volume & Audio Control

1) Volume Control

To increase or decrease volume, use $\bar{\Delta}$ / Δ key on the RCU or \blacktriangleleft / \blacktriangleright key on the front panel.

Note : DSR has 18 volume levels and this shall be controlled from the adjusted volume level of your TV.

2) Mute

To mute the sound, press \boxtimes button on the RCU. To bring back the normal sound, press this key once again.

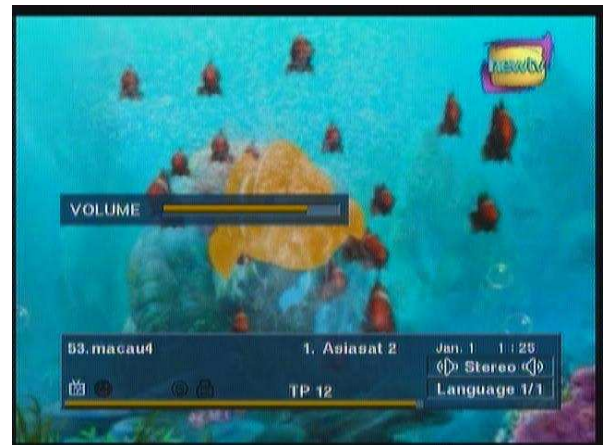
3) Audio Control

Press the speaker icon key repeatedly to select one of three possible audio settings (Left, Right and Stereo)

The current audio status will be displayed in the channel information.

4) Language Selection

Press the **ALT-AUDIO** key on the RCU repeatedly to select audio-language. This is dependent on the transmission of audio signal from the satellite which supports multi-language.



Channel Manager

Receiver provides most powerful channel managing function in the world and this function allows you to have a more interesting and useful operation as well as viewing channels simply.

Channel Manager

Channel manager consists of TV channel manager and Radio channel manager. Press OK key placing the cursor on the TV Channel.

Note :Since the usage of Radio Channel manager is same as that of TV channel manager, in this menu only TV Channel manager is explained.

In this menu you can see the channel list which receiver searched in the left side and in the right side, Current channel information is displayed.

Press MENU key on the RCU, then command menu will be displayed

TV channel manager has 4 short-cut color keys as below;

● FAVORITE 1 ~8 (RED KEY)

● EDIT (GREEN KEY)

1. MOVE
2. LOCK
3. DELETE BY CH
4. DELETE BY TP
5. DELETE BY SAT
6. DELETE ALL
7. RENAME CH
8. RENAME FAV

● SORT (YELLOW KEY)

1. LOCK
2. SCRAMBLE
3. SAT NAME
4. CH NAME

● PREVIEW OFF (BLUE KEY)


You can turn off the picture on the screen




Channel Manager


Favorite Channel

When you select channel manager, default favorite list will be showed on the screen as Favorite 1.

Select your favorite channel and then press **OK** key. Then  will be marked at rear of your selected channel name.

And if you want to delete the channel name in the favorite channel list, press **OK** key once again, then the  mark will be disappeared.

After the selection of favorite channels press EXIT key twice to save data and press FAV key repeatedly to see if each of the favorite groups are properly selected.

*  means scrambled channel.

★ How to make favorite group

1. When you enter channel manager, the default favorite group will be showed once on the screen as Favorite 1.

2. In the channel manager page, press ● **FAVORITE 1 ~8 (RED KEY)** and select FAVORITE, then Favorite group 1,2,3 will be displayed. After that, select group and cursor channel what you want and press ok key by group.

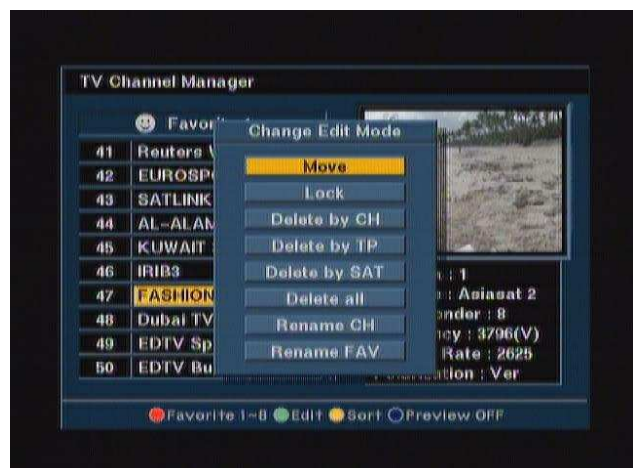


Move Channel

In the TV channel Manager Page, press ● **Edit (GREEN KEY)** on the RCU and select MOVE in the command box.

Select a channel by pressing OK key and move the cursor to the location in which you want to move the selected channel and press OK key. Then, you will find the selected channel has moved to the desired location and channel no. also changed in order accordingly.


And check whether the channel number is changed on the channel list or not.



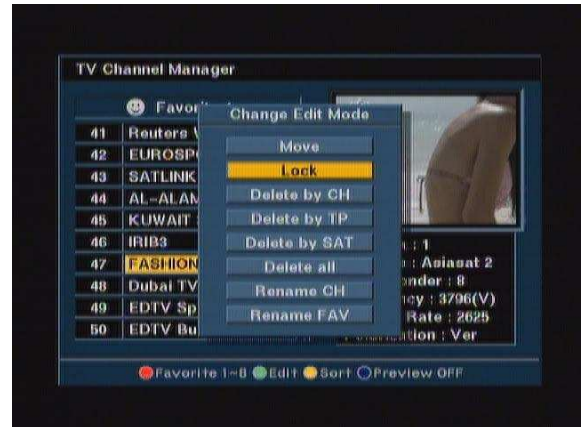
Channel Manager

Lock Channel

In Main Page, press ● **Sort (YELLOW KEY)** on the RCU, and then select Lock on the command menu.

This Lock command allow you to lock the channel. First select the channel, which you want to lock, pressing OK key and then  will be marked at rear of your selected channel name.

Note : To perform this function, you should set up the Parent Lock which is explained after.



Rename Channel

In Main Page, press ● **Edit (GREEN KEY)** on the RCU, and then select Rename CH on the command menu.

This Rename CH command allow you to rename the channel. First select the channel, which you want to lock, pressing OK key and then Keypad Dialog Box will be displayed. Edit your desired name entering word or number. (If you select ◀, it deletes the previous word)

And check whether the channel name is changed on channel list.



Channel Manager

Delete Channel

In Main Page, press ● **Edit (GREEN KEY)** on the RCU, and then select Delete on the command menu.

This Delete command allows you to delete the channel permanently. First select the channels, which you want to delete, then selected channel number will be changed to . If you cancel the selection, press OK key again, then the number will be back as it was

If you decided to delete, press EXIT key and then Message box will be displayed. Press OK to delete.

And check whether the channel number is changed exiting on channel list.

Warning : The deleted channel can not be recovered unless you search again. Please be careful when you decide to delete channel.



Sort Channel

In Main Page, press ● **SORT (YELLOW KEY)** on the RCU, and Sort Method will be displayed.

This Sort method has 4 sub commands and it allows you to sort the channels as provided.

You can sort the channels by Lock, Scramble, SAT name and CH name.

Place the cursor on your desired line, and then press OK key.

And check whether the channels are sorted exiting on the channel list.



Note : Radio Channel Manager is same operation as TV channel Manager.

EPG(Electronic Program Guide)

STB provides EPG function for you to get access to the TV Guide(or Radio Guide if you are listening to radio channels) which will show the titles and other information of the current and next programs on different channels. The information is only available from the network of the channel you are watching.

1.To see the EPG data, press **EPG** key on the RCU when watching a channel or select Program Guide in the Main Page.

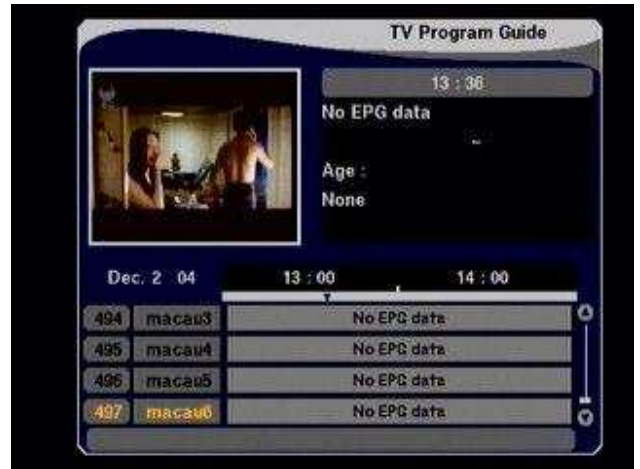
Then, EPG box will be displayed.

You can see the channel in the PIG screen, channel list in the left side and Program schedule for selected channel will be displayed in the right side. The time will be displayed in relation with the program schedule.

2.Select one channel and place the “▼” mark on the time of Program name.

3.Press **Info** key, then detail information box will be displayed.

Note : A “No information yet” message will be shown if the selected channel does not provide EPG data.

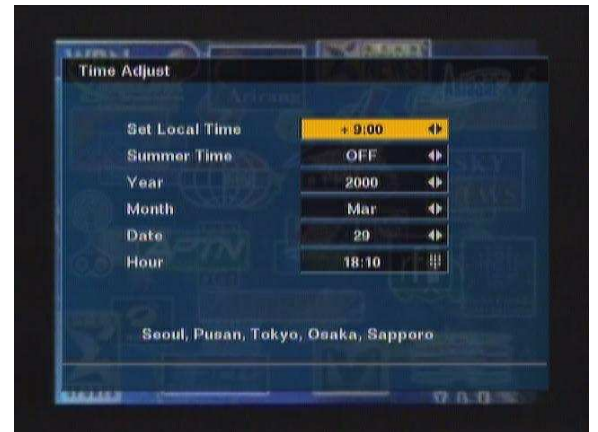


Timer

You can adjust the real time as well as you can program the timer with various ways. This function is one of the strong point of STB.

Time Adjust

Usually you get the information of real time from the satellite automatically but sometimes they emit wrong information. In that case, you can adjust the real time at this function.



Time Reservation

To activate the "Turn on time" and/or "Turn Off the time" as well as recording time.

It enables to select timer maximum 10.

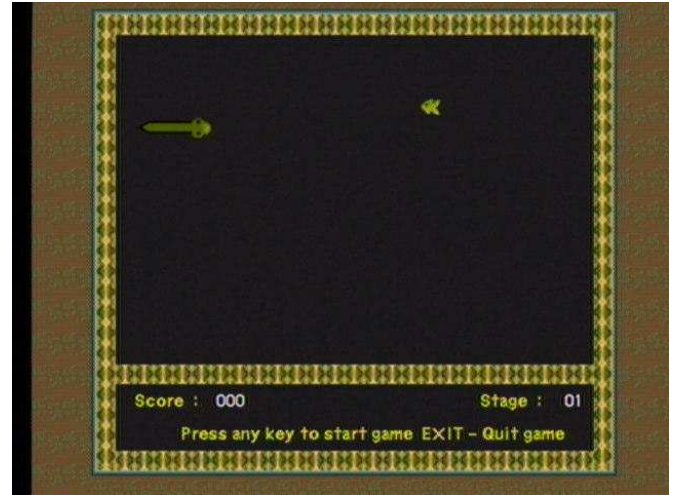
Timer allows you to program the various timer function.

You can set the timer daily, weekly, monthly and one time



GAME

GAME

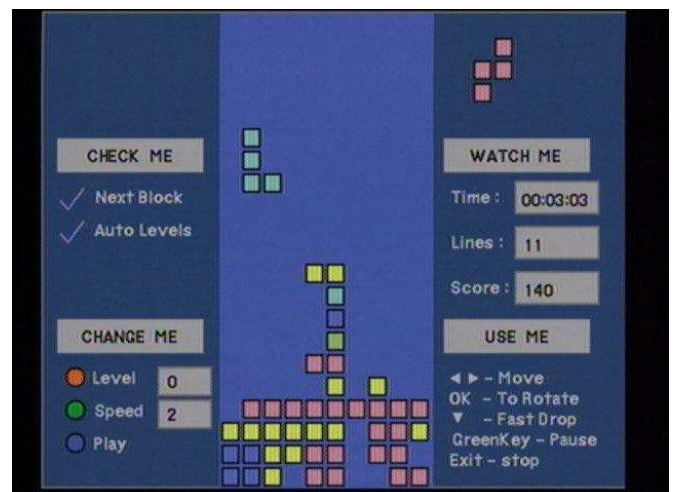


Receiver provides you with three different types of exciting video games.

The video games are simply available at the sub-menu of the main menu "Utility".

The available games are,

- 1) SNAKE
- 2) MINE SWEEPER
- 3) CRAZY TETRIS



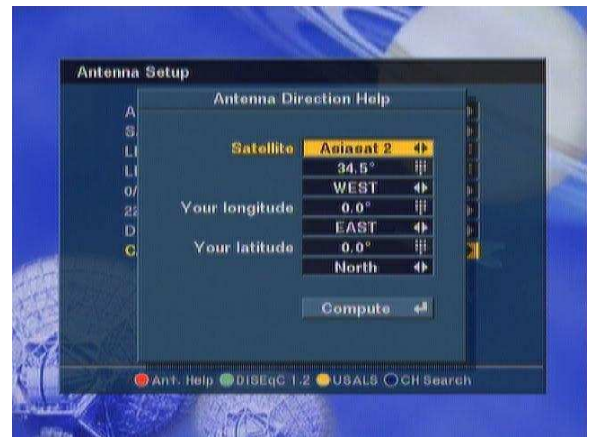
Antenna Direction Help

Although you entered correct value in Antenna Set up menu, if your antenna is positioned incorrectly, you could not receive signal form the Satellite.

So Receiver provides Antenna Positioning Help in order for you to have exact information for the pointing of your antenna.

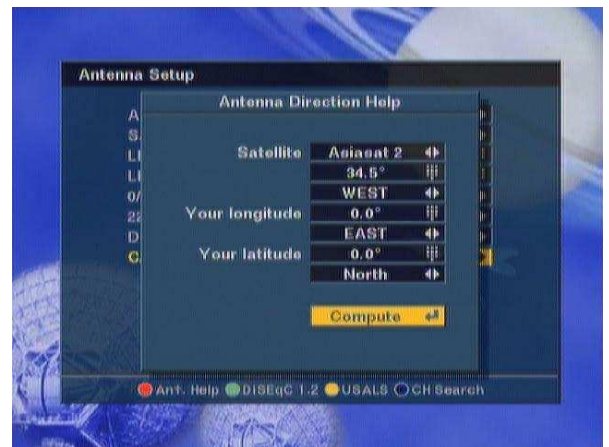
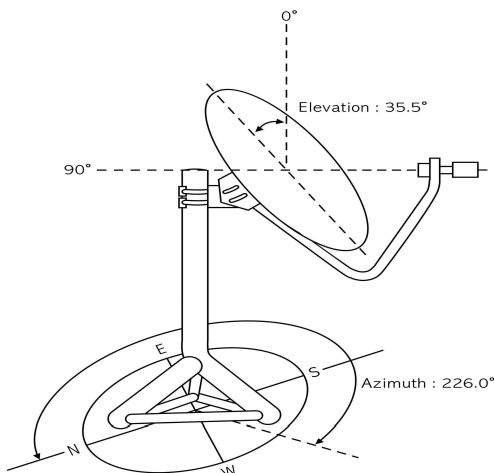
First select your desired Satellite name and then the location of selected satellite will be displayed. In case of that the location of the satellite is changed, you can re-set up the new location.

Second, enter the value of Longitude and Latitude of your location.



If you entered correct value of your position, place your cursor on Compute and press **OK** key.

Then Receiver show the exact information of antenna pointing.



Receiver Info & Front Panel Display

Receiver Information

In the Receiver Information, you can show the information of the product, its version and contact point of supplier. If you have a problem on this products and any question, please feel free to contact the supplier which contact point is mentioned in this Receiver Information.

Trouble Shooting

Problem	Possible causes	What to do
The display on the front panel does not light up.	Main cable is not connected.	Check that the main cable is plugged into the power socket.
No sound or picture, but the front panel shows red light.	The Receiver is in standby mode.	Press the standby button.
No sound or picture.	The satellite dish is not pointing at the satellite.	Adjust the dish. Check the signal level in the Antenna Setup menu.
	No signal or weak signal.	Check the cable connections, LNB and other equipment connected between the LNB and the receiver, or adjust the dish.
Bad picture / blocking error.	The satellite dish is not pointing at the satellite.	Adjust the dish.
	Signal is too strong.	Connect a signal attenuator to the LNB input.
	Satellite dish is too small.	Change to a larger dish.
	LNB noise factor too high.	Change to an LNB with lower noise factor.
	The LNB is faulty.	Change the LNB.

Trouble Shooting

Problem	Possible causes	What to do
No Welcome Menu on the screen after you switched on the Receiver for the first time.	The system is connected by SCART leads and TV is not in AV/EXT mode.	If the system is connected by SCART leads, switch the TV to the appropriate AV input.
	The system is connected by RF leads.	Check the UHF channel fixed in your system and tune the UHF channel properly..
There is interface on your digital satellite channels, an existing terrestrial channel or video signal.	The system is connected by RF leads and the output channel of the Receiver interferes with an existing terrestrial channels or Video signal.	Change the Receiver output channel to a more suitable channel, or connect the system by SCART leads.
The RCU is not working.	Battery exhausted.	Change the batteries.
	RCU is incorrectly aimed.	Aim RCU at Receiver, or check that nothing blocks the front panel.

Note : If you have tried all of the actions suggested above, without solving the problem, please contact your dealer or service provider.