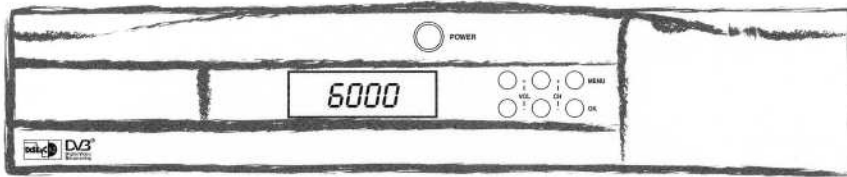


FREE TO AIR DIGITAL SATELLITE RECEIVER

User's Manual

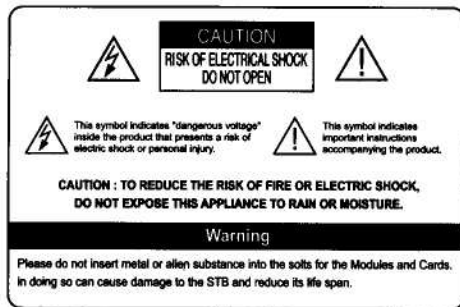
Model No.: **SV-4000**



SONICVIEW

Caution Guide

Please read this safety information carefully and keep these instructions and heed all warnings. Always follow these instructions to avoid the risk of injury to yourself or damage to your equipment.



- **Placement:** Do not place the receiver on an unstable cart, stand, tripod, bracket or table. The receiver may fall to cause the serious personal injury and damage to the receiver. When a cart is used, use caution when moving the cart/Receiver combination to avoid injury from tip-over. Do not use or store the receiver where it is exposed to direct sunlight, or near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat. Never stack other electronic equipment on top of the receiver. Place the receiver at least 30mm from the wall.
- **Operating Power:** Operate the receiver using only the type of power source indicated on the marking label. Protect the power cord from being walked on or pinched. Particularly at plugs, convenience receptacles, and the point where they exit from the receiver.
Unplug the receiver during lightning storms or when unused for long periods of time.
- **Ventilation:** Do not block the receiver ventilation holes.
Ensure that free airflow is maintained around the receiver.
- **Cleaning:** Unplug the receiver from the AC power outlet before cleaning. Use only a dry cloth for cleaning the exterior of the receiver.
- **Attachment:** Do not use accessories or attachments not recommended by the receiver manufacturer as they may cause problems to the equipment and will void the warranty.

- **Water Proof:** Do not expose the receiver to the water or any liquids.
- **Grounding:** The ground of the LNB cable must be directly connected to the system ground for the satellite dish. The grounding system must comply with local regulations. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

Service

Do not attempt to service the receiver by yourself as opening or removing cover may expose you to the dangerous voltage and will void warranty.

Refer all servicing to qualified service personnel. Servicing is required when the receiver has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects has fallen into the receiver, the receiver has been exposed to rain or moisture, does not operate normally, or has been dropped. To reduce the risk of electric shock do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

Please contact the authorized service center and personnel.

Caution & Note for FCC Regulation

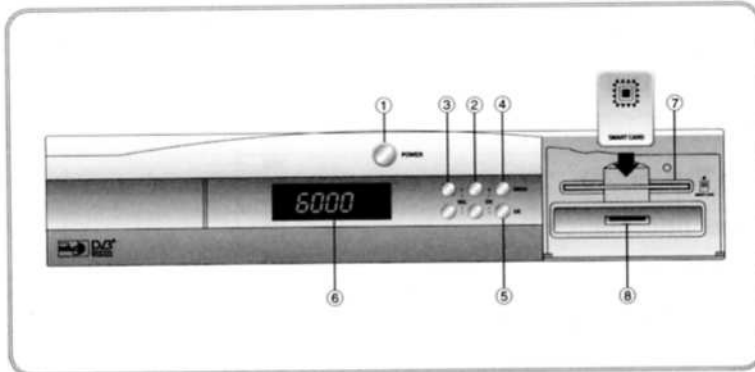
Caution: Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limit for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

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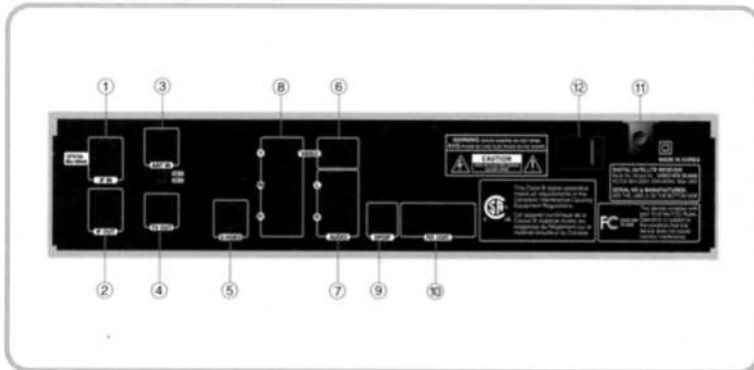
Front Panel



- 1) Power Key
- 2) CH Up/Down
- 3) VOL Up/Down
- 4) MENU
- 5) OK
- 6) Display
- 7) Smart Card Slot
(Option on model)
- 8) USB 2.0 Host Slot

- Switch the receiver ON / OFF.
Channel Up/Down or direction key
Volume Up/Down or direction key
Call the main menu
Select the menu or its parameters
4-Digit ,7-Segment Display
Slot for the Smart Card
Host Slot for USB 2.0 Devices















Rear Panel



- | | |
|-----------------------|---|
| 1) IF IN | Connect antenna cable from LNB |
| 2) IF OUT | Connect RF signal from the STB to RF input on your television or to the STB |
| 3) ANT IN | Connect your local RF channels to your TV via loop |
| 4) TV OUT | Connect your TV by RF cable |
| 5) S-VIDEO | Connect VCR |
| 6) VIDEO | Video output jack for TV or others |
| 7) AUDIO | Audio output jack for TV or others |
| 8) COMPONENT | Digital video output for Y, Pb, Pr |
| 9) S/PDIF | Digital audio output for digital amplifier |
| 10) RS-232C | Serial Port for software download by PC |
| 11) POWER | 95 ~250V ac, 50/60Hz |
| 12) Main power switch | |

Universal Remote Control Unit

- 1) POWER (⏻)
Power on/off
- 2) SAT (📡)
Select satellite name
- 3) FAV (📌)
Display the favorite channel group list
- 4) Universal Mode
Select mode of TV, DVD, VCR, STB
- 5) EPG(Guide) (📺)
Call the EPG
- 6) TV/SAT (📺📡)
Change the mode of TV/Satellite
- 7) Audio (🔊)
Select audio mode
- 8) Help (❓)
Call the help bar
- 9) FAV (📌)
Display the favorite channel group list
- 10) TV/RADIO (📺📻)
Select mode of TV/Radio
- 11) SIGNAL (📶)
Show the signal meter
- 12) ZOOM (🔍)
Zoom the screen
- 13) FIND (🔍)
Find the channel name
- 14) MENU (☰)
Call the main menu
- 15) EXIT (🚪)
Exit the menu
- 16) EPG (📺)
Call the EPG
- 17) LAST (⏮)
Call the previous channels

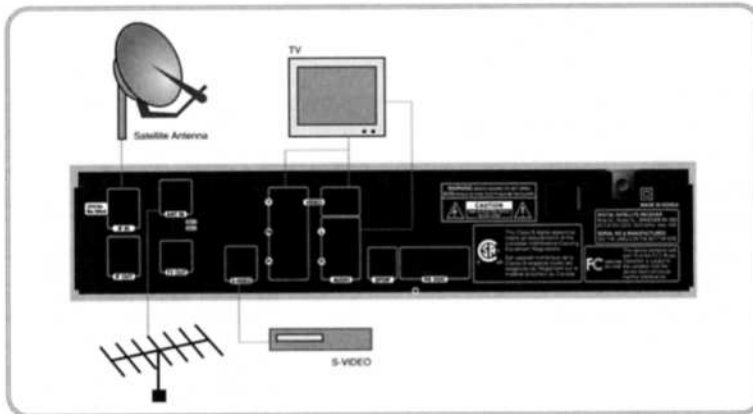
- 18) Page Up ()
Up the page
- 19) Page Down ()
Down the page
- 20) OK ()
Confirm the selection
- 21) Channel Up/Down ()
Up/Down the channel & move Up/Down
- 22) Volume Up/Down ()
Up/Down the volume & move left/right
- 23) Information ()
Show the channle information
- 24) SAT ()
Select satellite name
- 25) Mute ()
Mute the audio
- 26) SORT ()
Sort the channel list
- 27) SET ()
Set up the color of screen
- 28) MULTI ()
Turn to multi-channel display
- 29) USER ()
Turn to user mode
- 30) SLEEP ()
Sleep timer
- 31) PAUSE ()
Pause the channel
- 32) Red function key
- 33) Green function key
- 34) Blue function key
- 35) Yellow function key
- 36) Numeric key



How to connect your equipment

You can connect your equipment, TV, VCR & Hi-Fi System with the STB.
The following is the standard connection for your setting up your system
Contact your authorized dealer or service personal if you have any problem.

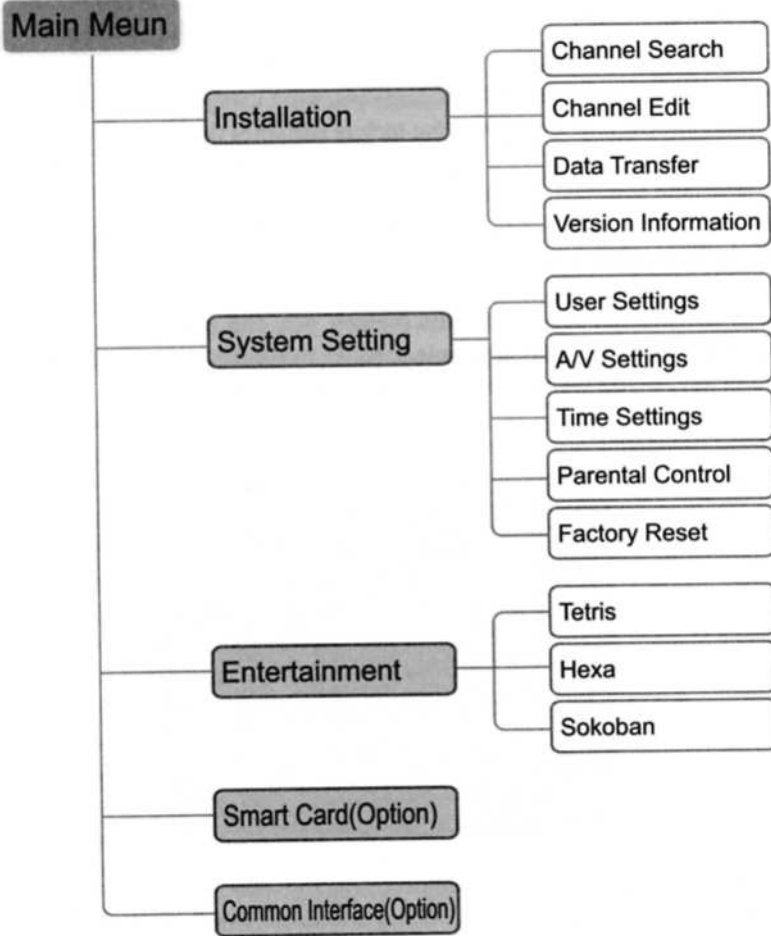
Please DO NOT plug in the power supply cord until you have finished all the connections !



- 1) STB to TV Set
Please connect TV to modulator or RCA jacks, or component.
- 2) STB to VCR Set
VCR connection is with S-VIDEO scart connector.
- 3) STB to Hi-Fi System
RCA audio R/L jack is for Hi-Fi system. If you have digital amplifier to support DOLBY digital system, please connect S/PDIF to it.
- 4) Loop Through
If you want to use the same LNB with other analog or digital satellite receiver, you can connect them via the loop through.

Menu Tree

Menu Tree helps you to understand the STB operation structure.



Set Up Procedure

Set up procedure is completed by the following process.

Main Menu => Installation Menu => Channel Search

1. Language Selection

When you plug in the receiver, you can see the **Select Language** menu on the screen. You can select the GUI language you want using the RCU direction keys and press the **OK** key. Only when the factory default is done, this menu appears.

After language selection, you see the black screen with the channel information bar that mentions "No TV Channel". Then, press the **MENU** key on the RCU and the **Main Menu** appears on the screen.

In case channel list is preset in the factory, you can see the **No. 1** channel of the channel list after language selection. In this case you can change the channel list, if you want, using the **Channel Search** menu.

2. Channel Search



In the **Main Menu**, move to **Installation** menu and choose its sub-menu, **Channel Search** menu, pressing **OK** key and **Enter PIN Code** menu appears. The default PIN Code No. is "0000" and enter it using numeric keys on the RCU.

You can change **PIN Code No.** in the **Parental Control** menu of **System Settings** menu in the **Main Menu**.



(1) Satellite

You can choose the satellite you want to search pressing **Vol Up/Down** keys on the RCU.

Or press **OK** key and you can see all the preset satellite list with alphabetic-order.

Multi-selection is available using **Blue** function key.

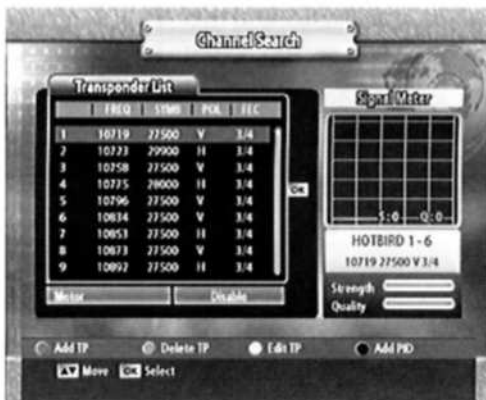
Red function key : Add new satellite

Green function key : Delete the satellite

Yellow function key : Rename satellite

Blue function key : Add this satellite to multi selection

SORT key : Sort satellite list by name or location



(2) Transponder

You can choose the Transponder frequency you want to search pressing **Vol Up/Down** keys on the RCU.

Or press the **OK** key and you can see all the preset transponder list with alphabetic-order.

Red function key : Add new transponder

Green function key : Delete the transponder

Yellow function key : Edit current transponder parameters

Blue function key : Add user channel to this transponder

(3) Search Option

3 modes are available.

All: FTA + Scrambled channels

FTA: FTA channels

Scramble: Scrambled channels

Network Search: On / Off

DISEqC: Off / Mini-A, Mini-B, Port 1,2,3,4

(4) Channel Scan Start

4 modes are available.

Red function key : Start Satellite Scan

Green function key : Start Transponder Scan

Yellow function key : Start Multi-Satellite Scan

Blue function key : Start blind Scan

Before channel scan start, you can check the signal's strength and quality with Signal Meter and Strength & Quality Bar on the screen of Channel Search menu.



(5) Channel Scanning

After channel scan start, **Channel Scanning** menu appears.

During the channel scanning, you can see the parameters related to the scanning.

- Satellite name
- Scanning percentage bar
- Scanned TV channel name & quantity
- Scanned Radio channel name & quantity
- Data channel quantity
- Scanning time

After Channel Scanning is completed, "Channel Changed!" pop-up menu appears. If you select Yes, the scanned channel list is saved.

Then, press EXIT key and Channel Search is completed to move to the no.1 channel.

Channel Information Bar

Once Channel Search is finished, you can enjoy the scanned channels. During enjoying the TV & Radio programs, you can manage several functions with Channel Information Bar.



Whenever you change the channels , **Channel Information Bar** appears for a while at the bottom of screen and disappears. The program information is shown through this **Channel Information Bar**.

The Channel Information Bar consists of various icons and functions.

- ① TV / Radio program
This shows that the current channel is either TV program or Radio program. When you press TV / RADIO key on the RCU and it converts between TV & Radio program.
- ② Current Time
Current time is shown.
- ③ Channel No. & Name
This is the channel no. and name that you are watching. The channel no. is decided during the channel scanning.
- ④ Program Information
The program information is described in this area.

⑤ Program Information

- a. During the **Channel Information Bar** is appearing, you can press **INFO** key on the RCU.



Then, EPG (Electronic Program Guide) Information of the current channel is popped up above the **Channel Information Bar**.

- b. When the Channel Information Bar disappears, You can press **INFO** key to recall the Channel Information Bar and press **INFO** key one more time to hide the Channel Information Bar.

⑥ Red key & Channel Group Indicator

When you are watching the program, you can choose channel group you want to see.

The channel group is 3 groups;

FTA Only : FTA Channel Group

CAS Only : CAS Channel Group

FTA & CAS : FTA & CAS Channel Group

If you press **Red** key on the RCU, the channel group is changed by circle and the program is also changed according to the channel group.

⑦ FAV Key & Favorite Channel Group Indicator

You can make favorite channel group in the **Channel Edit** menu. If you press **FAV** key, the list of all favorite groups is appeared, so you can select the group you want.



8 favorite channel groups are available in total. You can add current channel to the selected favorite list directly by pressing **Red** function key.

⑧ Signal Strength & Quality Bar

These indicate the current channel's signal strength and quality.

⑨ Icons of Channel Features

These icons show the specialty of the current channel.

- \$ icon(Ⓢ): Scrambled (CAS) channel
- Lock icon(🔒): Channel is locked
- Teletext icon(📺): Channel contains teletext.
- Subtitle icon(📄): Channel contains subtitle.
- Audio icon(🔊): Channel contains multiple audio.
- Dolby icon(🔊): Channel contains Dolby digital audio.

When the channel has above specialties, the icons are on,

⑩ Channel Data

These indicate satellite name, channel frequency, symbol rate, polarity & FEC of the current channel.

Channel List

During watching the channels, Channel List menu helps you to select easily the channel you want to see. Also, you can see the channel list that you have searched before group by group.



1. During watching the channel, press **OK** key to move to the **Channel List** menu.
2. You can change the **Channel List** using **Red** key on the RCU channel group by channel group and its 8 favorite channel group can be listed by **FAV** key on the RCU.
3. The selected channel's video & audio are shown in the small frame.
4. Pressing **OK** or **EXIT** key, the channel is returned to the main frame.

You can sort the channel list using SORT key on the RCU.

1. Press **SORT** key on the RCU.
2. Then, the **Sort Channel List** window pops-up.
3. You can select 3 sort types.
Alphabetical / Satellite / Default, and press **OK** key.

In the Channel List press OK key, after selecting the channel you want to see, and the selected channel is shown in the small frame.

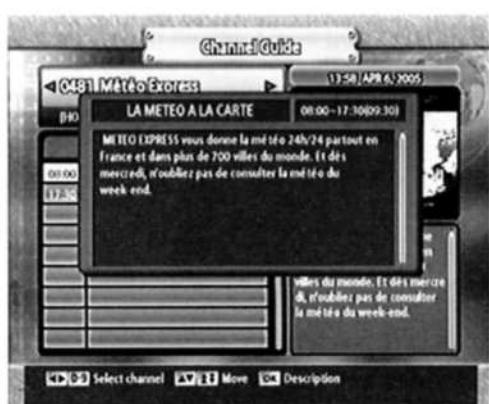
Also, you can enjoy the Multi-Picture function in the Channel List menu.

1. In the Channel List, you can Implement Multi-Picture function using **Blue** key on the RCU.
2. Pressing **Blue** key, Multi-Picture window pops-up and choose the mode you want.

In the Channel List, you can change TV Channel List to Radio Channel List to press the TV/RADIO key on the RCU.

Electronic Program Guide (EPG)

You can view program guide information in EPG menu.



1. During watching the channel, press **EPG** key to enter the **EPG** menu.
2. In **EPG** menu, press **VOL Up/Down** key to change channel. You can also enter channel number directly by number key. The **FIND** key is also available.
You can select specific event by **CH Up/Down** key. If you want to view information about the selected event, press **OK** key.
This information is also displayed in the right window with automatic scrolling feature.

You can also view the information about the current event immediately from channel information bar by pressing INFO key.

Audio

Some channel contains multiple audio data.

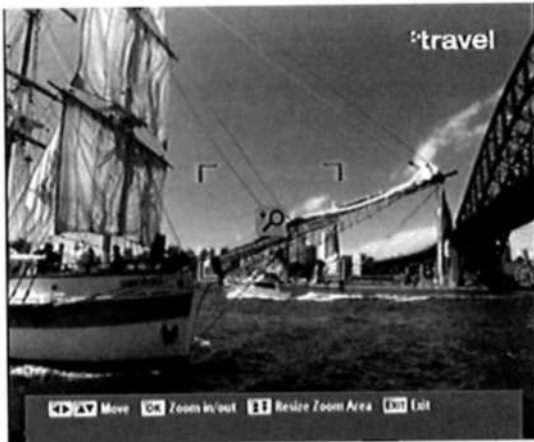


1. When the current channel contains multiple audio data, the audio icon in the channel information bar is activated. Pressing **AUDIO** key, the audio selection window pops up.
2. Initially the default audio language in **User settings** menu is automatically selected. You can change audio language for the current channel. Once changed, it remains as selected by user for this channel.
3. You can change audio mode such as **Stereo, Mono, Left** and **Right** in this menu also.

The audio settings are channel specific, which means you can select different audio settings per channel.

Zoom

These functions are user-friendly functions to enjoy programs more usefully.



1. During watching TV program, press **ZOOM** key on the RCU.
Then, the zoom cursor appears.
2. Using **CH Up/Down & VOL Up/Down**, you can move the cursor where you want to move.
3. When you want to resize the cursor, please use **Page UP/Down** key on the RCU.
4. After moving the cursor, please press **OK** key and the zoom is active and returning to the main frame is to press **EXIT** key.
5. In the zoom mode, you can see the zoom indicator on the upper right side and can move the zoomed spot directly.

Zoom function is also workable in the Pause mode.

Multi-Picture

This function is to show multi-channels of Channel Group at the same time in one main frame.



1. During watching TV program, press **Blue** key on the RCU.
Then, the **Multi Picture** menu window pops up.
2. You can select how many picture you want to see among 4, 9, 16 pictures and press **OK** key.
3. Then, multi-pictures are shown from the channel of the TV program that you are watching to the same number of channels of the channel list.
4. In the multi-picture mode, the selected channel no. & name is blinked.
5. After multi-pictures are shown, only one channel is activated and others are in the still picture.
6. You can move the yellow frame cursor to select the TV program using **CH Up/Down & VOL Up/Down** key and press **OK** key to activate the TV program.



7. After activating the channel, press **OK** key and the channel becomes main frame.
8. In the main frame mode, you can see the multi-picture indicator on the upper left side. Using the indicator's cursor, you can change the channel directly in the main frame mode.

This Multi-Picture function can be implemented in the main frame and Channel List menu both.

Find

This function enables you to find the channel you want easily by its name.



1. During watching TV program, press **FIND** key on the RCU if you want to find channel by its name.
2. Using **CH Up/Down**, **VOL Up/Down** and **OK** button, enter the name of the channel you are looking for.
Every time you enter the character, all the channels whose name contains the string are listed in the right window.

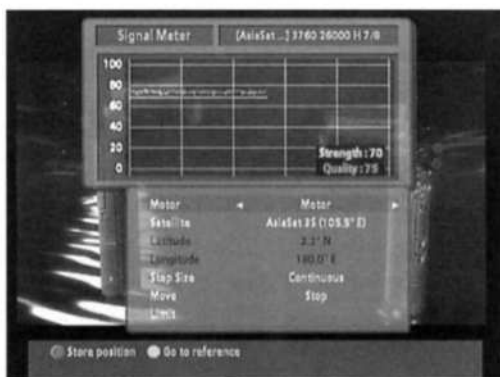


3. You can move to the **Channel List** window in the right side at any time by press **Green** button and select channel by pressing **OK** key.

This function is also available in channel list and channel edit menu.

Signal

This function shows the signal status of the current channel with a larger view.



1. During watching TV program, press the **SIGNAL** key on the RCU to view signal status such as signal strength and quality.
2. You can control DisEqC or USALS setting here.

Sleep



1. Press the **SLEEP** key on the RCU to set time the receiver will be turned off.
2. You can select time by **VOL Up/Down** and **OK** button.
3. Once sleep timer set, a small icon appears on the left top corner of the screen.

Miscellaneous Functions

- **PAUSE**

When you press **PAUSE** key, the video stops temporarily until you press **PAUSE** key again or press **EXIT** key.

- **MUTE**

When you press **MUTE** key, the audio is changed between mute and un-mute state.

- **TV/RADIO**

When you press **TV/RADIO** key, the current channel list is switched between TV channels and Radio channels.

- **LAST**

The receiver remembers up to 8 recent channels. When press **LAST** key the 8 recent channels are listed, and you can select one of those channels. You can also erase this list by pressing **RED** key in the list.

- **FAV**

Once the favorite group is made in **Channel Edit** menu, you can select one of the favorite list by pressing **FAV** key.

- **TV/SAT**

You can feed TV input from this receiver or other A/V device such as VCR by pressing **TV/SAT** key. The device should be connected to the SCART port to make this function work.

- **SAT**

You can list channels in specific satellite by pressing **SAT** key.

