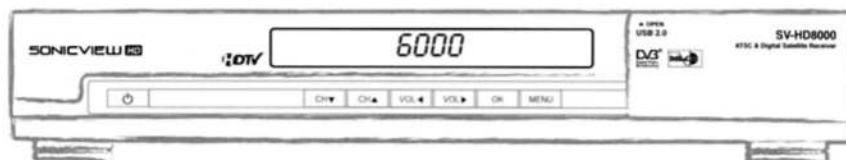


ATSC & Digital Satellite Receiver

# User's Manual

Model No.: **SV-HD8000**

**HDTV**

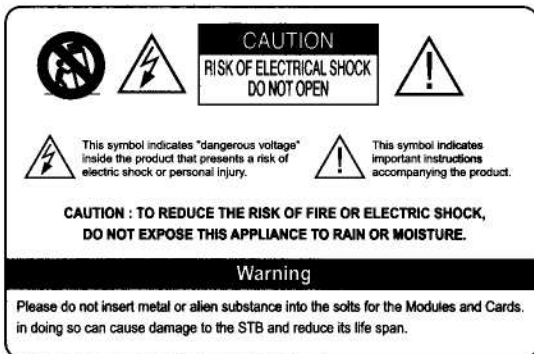


  
SONICVIEW

# Important Safety Instructions

## 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. Do not use this apparatus near water.
- **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.

# Contents

<b>Chapter 1. Basic Information</b> .....	<b>4</b>	<b>Chapter 4. How to Enjoy</b>	
1.1 Features	4	<b>USB PVR Function</b> .....	<b>40</b>
1.2 Package Contents	6	4.1 Recording	40
1.3 Front Panel	7	A. Recording	40
1.4 Rear Panel	8	B. Stop the Recording	40
1.5 Universal Remote Control	10	4.2 USB Storage	41
1.6 Connection Configuration	12	A. File List	41
		B. Play	42
<b>Chapter 2. Set-Up Procedure</b> .....	<b>14</b>	<b>Chapter 5. Technical Specification</b>	<b>43</b>
2.1 Menu Tree	14	A. Technical Specification	43
2.2 Set-Up Procedure	15	B. Universal Remote Control Setting & Key List	45
2.3 Channel Information Bar	20	C. UHF Remote Antenna Module &	
2.4 Channel List	23	S-ATA HDD Installation(Option)	53
2.5 Channel Guide: EPG	24		
(Electronic Program Guide)			
2.6 Audio	25		
2.7 Zoom	26		
2.8 Find	27		
2.9 Satellite Selection	29		
2.10 Signal	29		
2.11 Sleep	30		
2.12 Capture	30		
2.13 Other Useful Function	31		
<b>Chapter 3. Main Menu</b> .....	<b>32</b>		
3.1 Installation	32		
A. Dish Setting	32		
B. DTV Scan	32		
C. Channel Edit	33		
D. Factory Reset	35		
3.2 System Settings	35		
A. User Settings	35		
B. A/V Settings	36		
C. Time Settings	37		
D. Event Timer Menu	38		
E. Parental Control	38		
3.3 USB	39		
3.4 System Information	39		

## Chapter 1. Basic Information

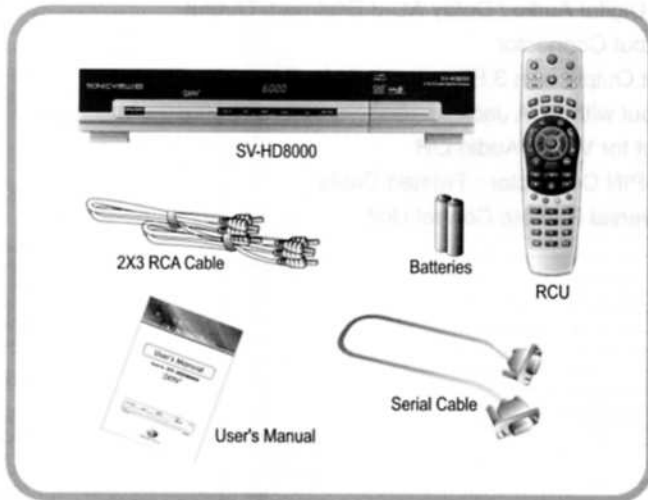
### 1.1 Features

- Fully Comply with ATSC HDTV(VSB) & DVB-S MPEG 2
- Decodes All ATSC HDTV Standard Video Formats Including 576i / 576p / 720p / 1080i
- Down - convert HDTV to SDTV
- Selectable Output Video Format : 1080i / 720p / 480p / 480i
- Two Tuners : ATSC Tuner(Sharp,NIM Type) & QPSK(Samsung, NIM Type)
- USB 2.0 PVR Function Supported : 1 Channel Record & Play with an external HDD
- Channel Naming Supported
- Full Colors & User Friendly GUI for Easy Control
- The Fastest Booting & Scan Speed
- Highly Speedy Channel Changing Time : Less than 1 Sec.
- 6,000 Channels Memory Capacity for TV & Radio Programs
- 8 Favorite Channel List Group Programmable
- Channel Sorting by FTA, CAS, Satellite, Alphabetic Order & Network
- Zoom In-Out Function for Watching Screen
- Various Aspect Ratio with 4:3, Letter Box, Full Screen & 16:9
- Background Graphic Display for Radio Program Channels
- Parental Lock Function using Master PIN Code
- Automatic NTSC / PAL Detection and Simple Video Converter (NTSC <-> PAL)
- Real Time Clock
- Low Power Consumption Supported : Less Than 5W in Stand-By Mode
- DiSEqC 1.0, 1.1, 1.2 & USALS / 22KHz Switching Control Supported

- Blue VFD Display : 9 Character 1 Line
- HDTV Output Connector
- S/PDIF for Digital Audio / Dolby AC-3 Bitstream Output
- S-VHS Output Connector
- Component Output with 3 RCA Jacks (Y,Pb,Pr)
- CVBS Output with RCA Jack
- RCA Output for Video, Audio L/R
- RS232C 9-PIN Connector : Twisted Cable
- Useful Universal Remote Control Unit

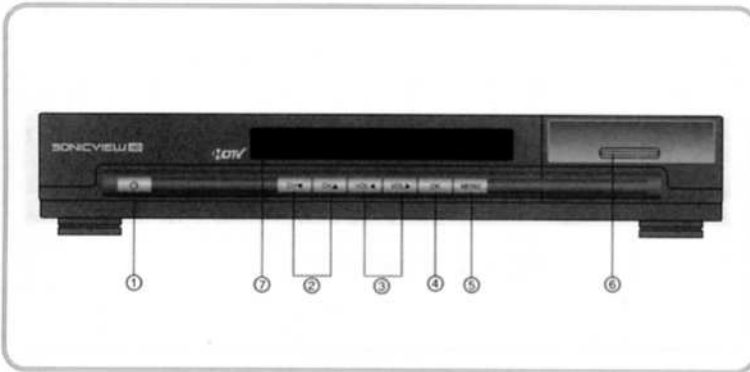
## 1.2 Package Contents

Please check to make sure the following contents are in the product package.



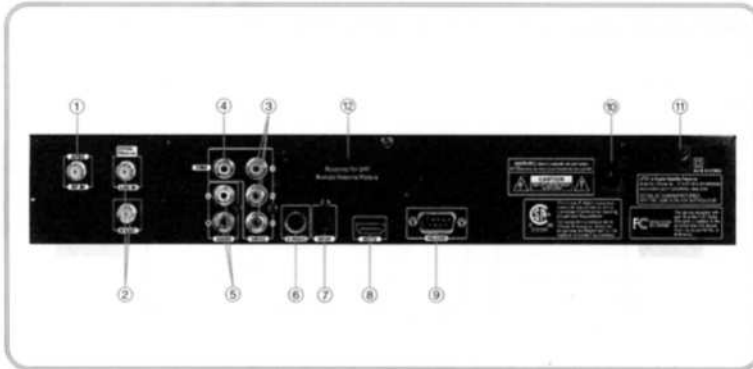
- Package contents may be subject to change.
- The other accessories must be purchased individually.

## 1.3 Front Panel



- 1) Power Key  
Switch the receiver ON/OFF
- 2) CH Up/Down  
Change the channel Up/Down or direction key
- 3) VOL Up/Down  
Volume Up/Down or direction key
- 4) OK  
Select the menu or its parameters
- 5) MENU  
Display the main menu
- 6) USB 2.0 Master Slot  
USB 2.0 Master Slot for USB Memory Stick & USB External HDD Connection
- 7) Display  
9 characters -1 Line Blue VFD display
























## 1.4 Rear Panel




- 1) ATSC RF IN  
Connect ATSC Antenna cable
- 2) LNB IN & IF OUT  
Connect the satellite antenna cable and use IF OUT to connect it to another receiver for Loop-through
- 3) Component(Y,P<sub>b</sub>,P<sub>r</sub>)  
Y,P<sub>b</sub>,P<sub>r</sub> video output for digital video signal
- 4) CVBS Output  
CVBS Video Output
- 5) Audio L/R  
Audio output for TV or other
- 6) S-VIDEO  
S-video output to connect to TV's S-video input

- 7) S/PDIF  
AC3 digital audio stream for AC3 digital audio amplifier
- 8) HDTV Output  
HDTV output to connect TV's HDTV input
- 9) RS-232C  
Serial port for software download & upload
- 10) Main Power Switch  
Turn ON/OFF of Main Power
- 11) Power Cord  
95~250Vac, 50~60Hz
- 12) Reserved for UHF Remote Antenna Module (Option)  
Reserved for optional function of UHF Remote Antenna Module supplied separately.(Personal purchasing)

## 1.5 Universal Remote Control

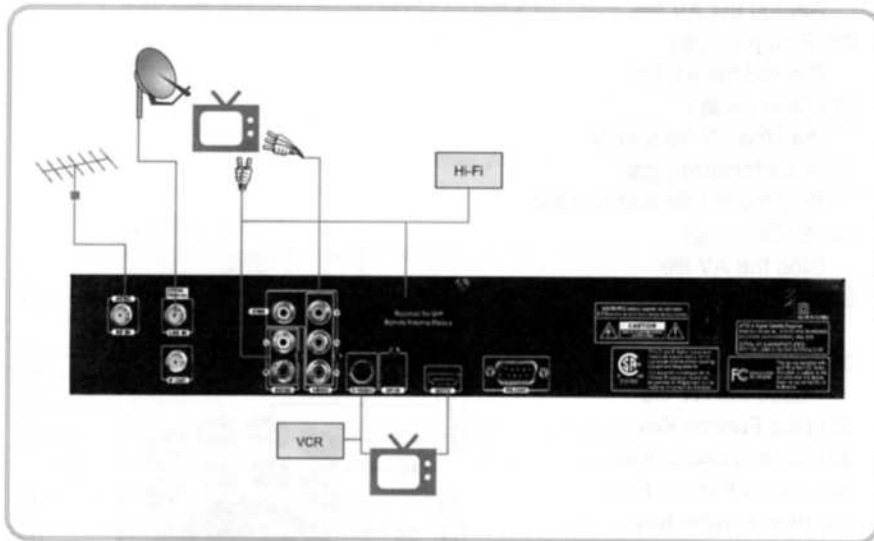
- 1) POWER (  )  
Power on/off
- 2) TV/SAT (  )  
Change the mode of TV/Satellite
- 3) SLEEP (  )  
Sleep timer
- 4) Universal Mode  
Select mode of TV, DVD, VCR, STB
- 5) Mute (  )  
Mute the audio
- 6) ? (  )  
Call the help bar
- 7) SIGNAL (  )  
Signal strength display
- 8) USER (  )  
Select user function
- 9) FAV (  )  
Display the favorite channel group list
- 10) TV/RADIO (  )  
Select TV/Radio channel mode
- 11) Capture (  )  
Capture the screen shot
- 12) ZOOM (  )  
Zoom in/out the screen
- 13) FIND (  )  
Find the channel name
- 14) MENU (  )  
Turn to main menu
- 15) EXIT (  )  
Exit the menu
- 16) Guide (  )  
Call the EPG
- 17) LAST (  )  
Call the previous channels
- 18) OK (  )  
Confirm the selection
- 19) Page Up (  )  
Up the page
- 20) Page Down (  )  
Down the page
- 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 channel information
- 24) Record (  )  
Record the channel

- 25) Repeat (  )  
Repeat the AV file
- 26) Rewind (  )  
Rewind the AV file
- 27) Slow (  )  
Play the AV file slowly
- 28) Fast forward (  )  
Play the AV file fast forward
- 29) STOP (  )  
Stop the AV file
- 30) Playback (  )  
Play the AV file
- 31) Pause (  )  
Pause the AV file
- 32) Red Functin Key
- 33) Green Functin Key
- 34) Yellow Functin Key
- 35) Blue Functin Key
- 36) Numeric Key
- 37) Audio (  )  
Select audio mode
- 38) SAT (  )  
Select satellite name

\* Remark  
 -The keys of 18, 21, 22 & 36 are luminous.  
 -The keys of 25, 26, 27, 28 are not used in this model.



## 1.6 Connection Configuration



- 1) ATSC Terrestrial Antenna Cable to ATSC RF IN
- 2) Dish Antenna Cable to LNB IN
- 3) TV's Y, Pb, Pr & Audio L/R to Y, Pb, Pr & Audio L/R

4) TV's S-Video/CVBS Input to S-Video/CVBS

5) VCR's S-Video input to S-Video

6) Hi-Fi Audio System to Audio L/R /SPDIF

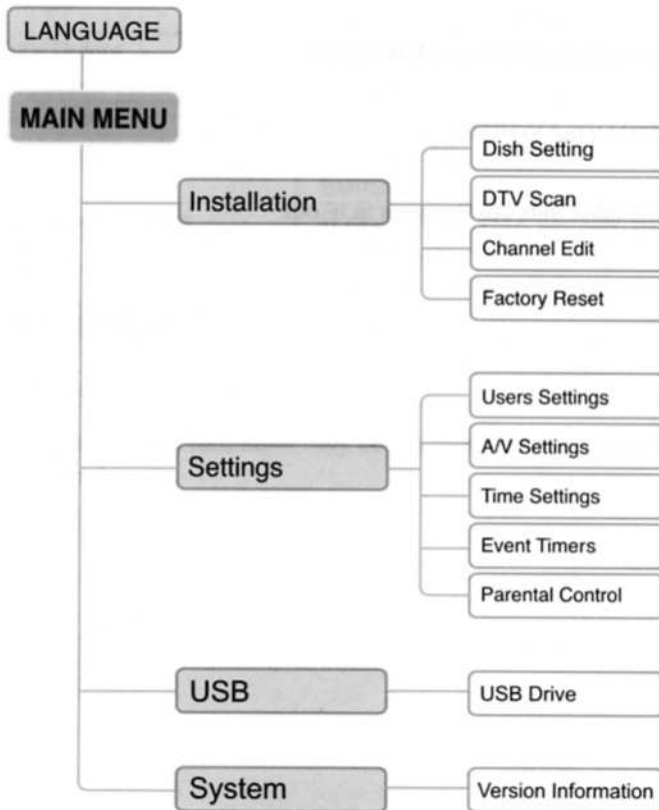
7) TV's HDTV Input to HDTV

8) Another Digital Satellite Receiver to IF out

## Chapter 2. Set-Up Procedure

### 2.1 Menu Tree

Menu Tree helps you to understand the STB operation structure.



## 2.2 Set Up Procedure

Set up procedure is completed by the following process.

**Main Menu => Installation Menu => Dish Setting**

### 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. Dish Setting



In the **Main Menu**, move to **Installation** menu and choose its sub-menu, **Dish Setting** menu , pressing **OK**.



(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

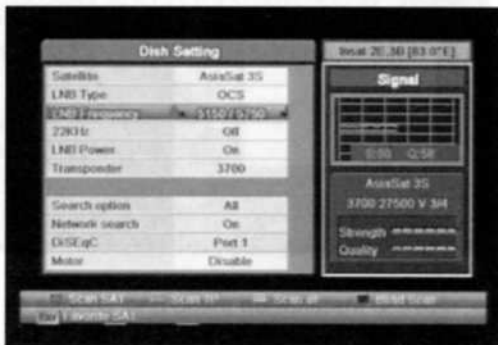
**Yellow** function key : Rename satellite

**Blue** function key : Add this satellite to multi selection

**Sort** key : Sort satellite list by name or location

(2) LNB Frequency

You should choose your LNB frequency or enter its frequency directly using RCU.



22KHz: ON/OFF

LNB Power: ON/OFF

## (3) 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

## (4) Search Option

3 modes are available.

**All**: FTA + Scrambled channels

**FTA**: FTA channels

**CAS**: Scrambled channels

**Network Search**: On / Off

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

(5) Motor

This is for motorized antenna system 3 modes are available:

Disable : Not to use

motor : move the antenna system

USALS : set up the antenna system with USALS

(6) 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.**



#### (7) 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.

## 2.3 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.**

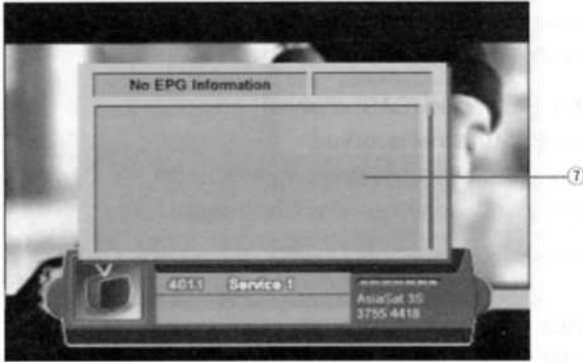
- ① TV / Radio program  
This shows that the current channel is either TV program or Radio program. When you press **TV / RADIO** key on the RCU and it converts between TV & Radio program.
- ② Current Time  
Current time is shown.
- ③ Channel No. & Name  
This is the channel no. and name that you are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

⑤ Favorite channel group

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.

⑥ FTA / CAS Indicator

This indicates FTA / CAS channel.

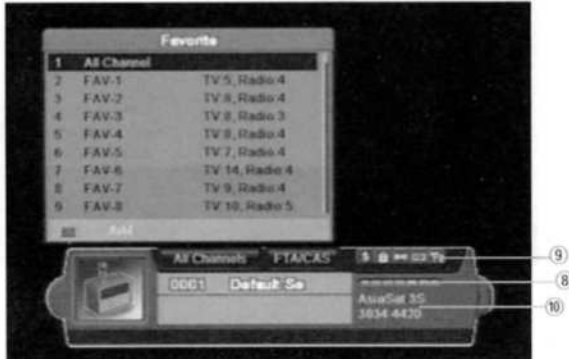


⑦ Program Information

a. During the **Channel Information Bar** is appearing, you can press ⑦ 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.



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 Quality Bar

This indicator the current channel's signal quality.

⑨ Icons of Channel Features

These icons show the specialty of the current channel.

\$ icon(Ⓢ): Scrambled (CAS) channel

Lock icon(🔒): Channel is locked

Audio icon(🔊): Channel contains multiple audio.

Dolby icon(DD): 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.



## 2.4 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 Yellow key on the RCU.**

1. Press **Yellow** key on the RCU.
2. Then, the **Sort Channel List** window pops-up.
3. You can select 4 sort types.  
Alphabetical / Satellite / Default, Service ID off and press **OK** key.

Also, You can choose the channel list of Tuner 1 / Tuner 2 using **Green** key on the RCU.

**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.**

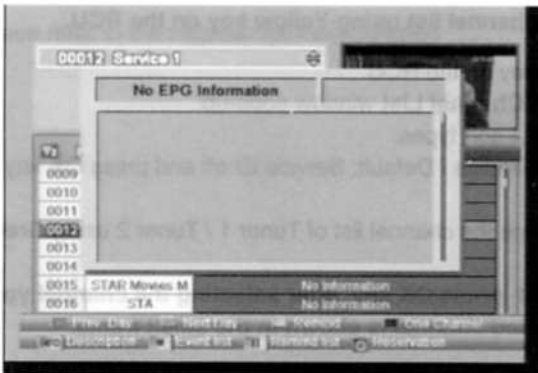
Also, you can enjoy the Multi-Picture function in the Channel List menu.

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.

## 2.5 EPG(Electronic Program Guide)

You can view program guide information in EPG menu.



1. During watching the channel, press **Guide** key to enter the **Channel Guide** 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.**

## 2.6 Audio

Some channel contains multiple audio data.



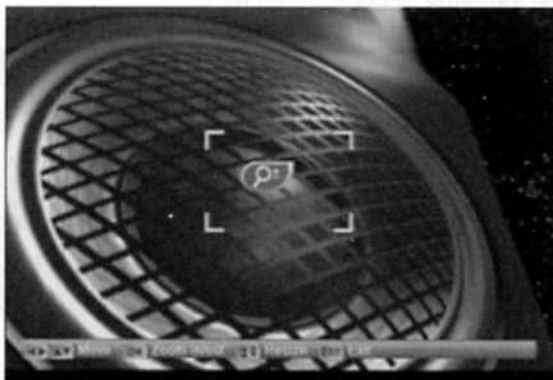
1. When the current channel contains multiple audio data, the audio icon in the channel information bar is activated. Pressing **007** key, the audio selection window pops up.

- 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.
- 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.**

## 2.7 Zoom

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

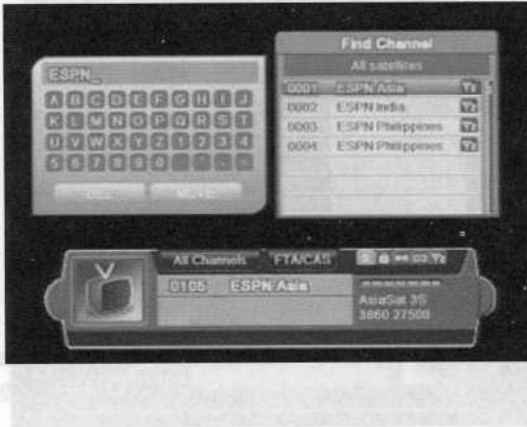


- During watching TV program, press **?** key on the RCU. Then, the zoom cursor appears.
- Using **CH Up/Down & VOL Up/Down**, you can move the cursor where you want to move.
- When you want to resize the cursor, please use **Page UP/Down** key on the RCU.
- After moving the cursor, please press **OK** key and the zoom is active and returning to the main frame is to press **EXIT** key.
- 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.**

## 2.8 Find

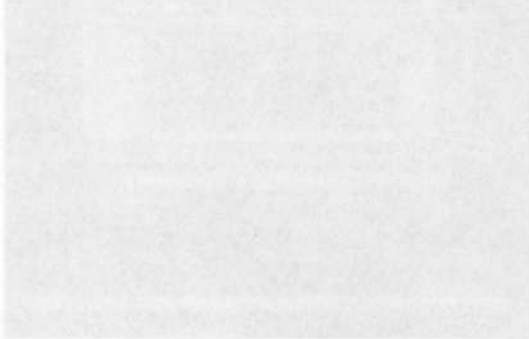
This function enables you to find the channel you want easily by its name.



## 2.10 Signal

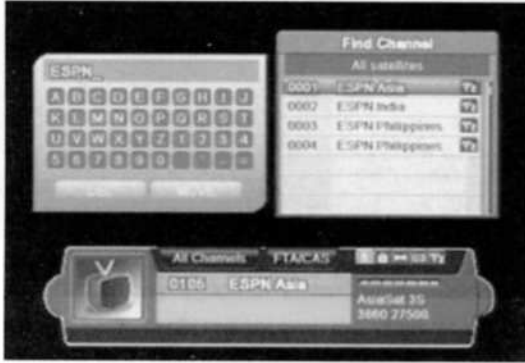
This function shows the signal strength and quality of the selected channel. You can move to the Channel List window in the right side at any time by press.

This function is available in the following menu.



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

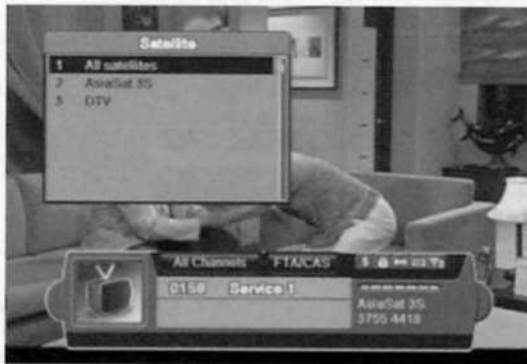
1. During watching TV program, press **FIND** key on the RCU if you want to find channel by its name.
2. Using **CH Up/Down**, **VOL Up/Down** and **OK** button, enter the name of the channel you are looking for.  
Every time you enter the character, all the channels whose name contains the string are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

## 2.9 Satellite Selection



Press **SAT** key on the RCU and you can select the Tuner 1/ Tuner 2.  
After selecting the Tuner you can also choose the satellite you want to see.

## 2.10 Signal

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




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

## 2.11 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.

## 2.12 Capture

You can capture the screen shot using capture (  )key and turn it to file into the HDD. Please read the PVR section for move details.

