world tv™

SE830
USER'S GUIDE
Version 2.0

NOTE TO SATELLITE RECEIVER SYSTEM INSTALLER

The Digital Set Top Box (STB) system installer is reminded to follow Article 820-40 of the National Electrical Code (NEC) that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical. See Fig 1 example of antenna grounding.

WARNING FOR INDOOR USE ONLY. To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.
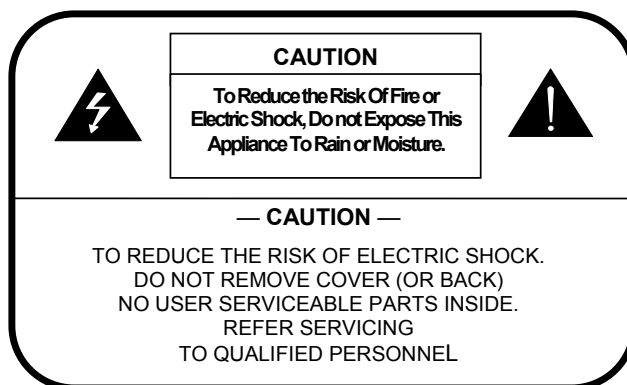
A CONSUMER GUIDE TO PRODUCT SAFETY
EXPLANATIONS OF GRAPHIC SYMBOLS
LOCATED ON BOTTOM OF CONVERTER

This symbol is intended to alert the user of the presence of non-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

CAUTION

To Reduce the Risk Of Fire or Electric Shock, Do not Expose This Appliance To Rain or Moisture.

— **CAUTION** —
TO REDUCE THE RISK OF ELECTRIC SHOCK.
DO NOT REMOVE COVER (OR BACK)
NO USER SERVICEABLE PARTS INSIDE.
REFER SERVICING
TO QUALIFIED PERSONNEL

IMPORTANT SAFEGUARDS

1   Read these instructions.

2   Keep these instructions.

3   Heed all warnings.

4   Follow all instructions.

5   Do not use this apparatus near water.

6   Clean only with a dry cloth.

7   Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

8   Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9   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 is provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11. Only use the attachments/accessories specified by the manufacturer.

12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused form long periods of time.

14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

15. The shock Hazard Marking and Associated Graphical Symbol is provided on the bottom panel of unit.

16. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

EXAMPLE OF ANTENNA GROUNDING

AS PER NATIONAL ELECTRICAL CODE (NEC) INSTRUCTIONS
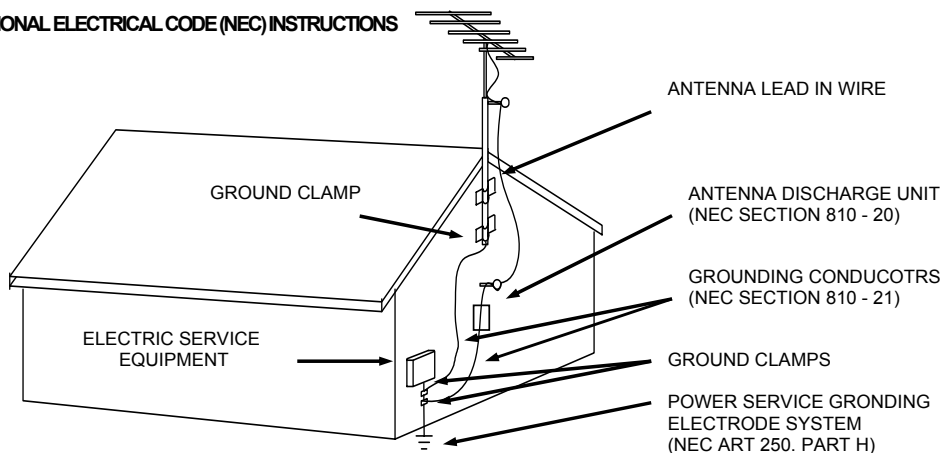
NEC - NATIONAL ELECTRICAL CODE

Fig. 1.

a. Use No. 10 AWG (5.3 mm) copper, No. 8 AWG (8.4 mm) aluminium, No. 17 AWG (1.0 mm) copper-clad steel or bronze wire, or larger, as a ground wire.

b. Secure antenna lead-in and ground wires to house with stand-off insulators spaced from 4-6 feet (1.22-1.83 m) apart.

c. Mount antenna discharge unit as close as possible to where lead-in enters house.

d. Use jumper wire not smaller than No. 6 AWG (13.3 mm) copper, or the equivalent, when a separate antenna-grounding electrode is used. (See NEC Section 810-21)

Table of Contents

Table of Figures, Charts and Tables

1. General Information

The SE830 allows you to view a variety of satellite programs. This user's guide covers the installation of the SE830 and the necessary steps to operate various features. It also explains special features available only in this SE830 in detail, and will allow you to take full advantage of these features.

1.1 For Your Safety

- Allow clear space around the SE830 box for sufficient ventilation
- Do not cover the SE830 box or place it on a unit that emits heat
- Use a soft cloth and a mild solution of washing liquid to clean the casing
- Do not connect or modify cables when the SE830 box is plugged in
- Do not remove the cover
- Do not allow the unit to be exposed to extreme heat, cold or humid conditions
- Never allow liquids, spray or other materials to come into contact with the inside of the model.

1.2 Unpacking

Unpack the SE830 and check to make sure that all of the following items are included in the packaging.

- 1 x SE830 box
- 1 x AV cable
- 1 x Power Cord
- 1 x Remote Control Unit (RCU)
- 2 x AAA batteries
- 1 x User's Guide

1.3 General Operation of the SE830

Throughout this manual you will notice that the everyday operation of your SE830 is based on a series of user friendly on screen display and menus. These menus will help you get the most from your SE830, guiding you through installation, channel organizing, viewing and many other functions.

All functions can be controlled and operated by using the RCU buttons. Some of the common functions can also be controlled by front panel keys of SE830.

At any time if you want return to the normal TV mode during the menus operation, simply press the Exit button.

Please be aware that new software may change the functionality of the SE830.

Should you experience any difficulties to operate your SE830, please refer the relevant section of this manual and the Problem Shooting section, or you may consult your local dealer or customer service adviser.

1.4 Home Satellite System Installation

The following instruction provides information you need to install your GlobeCast WorldTV home satellite system. We encourage you to read the entire document before starting your installation. You will need skills in construction, wiring and assembly to install your system correctly. If, after reading these instructions, you have any doubt about your ability to perform the installation, please call the GlobeCast WorldTV customer service center at 1-888-988-5288 or visit www.globecastwtv.com, for a list of local installers in your area.

THE BASICS

For your safety, follow these rules:

- Perform as many functions as possible on the ground.
- Watch out for overhead power lines. We recommend you stay a minimum of 6 meters or 20 feet from all power lines.
- Do not use a metal ladder. Use a wood or fiberglass ladder instead.
- Do not install the antenna or mast assembly on a windy day.
- If the antenna or mast assembly starts to fall or drop, move away from it and let it fall.
- If any part of the antenna or mast assembly comes in contact with a power line, call your local power company. DO NOT TRY TO REMOVE IT YOURSELF.
- Make sure that the mast assembly and the coaxial cable are properly grounded.

GlobeCast WorldTV is not responsible or liable for damage or injury resulting from antenna installations.

Installation Requirements:

- Use hand tools such as an electric drill or screwdriver.
- Determine whether water pipes, electrical wiring or gas lines are close to the installation area and avoid them.
- Route coaxial cable through walls and possibly under floors.
- Use a compass and carpenter's level.
- Use a ladder to climb structures.
- Know your local and national grounding codes.

You will need the following tools:

- Phillips Screwdriver,
- Half-inch or thirteen millimeter hex wrench,
- electric drill and drill bits,
- carpenter's level,
- a compass

Your GlobeCast WorldTV Home Satellite System comes with the following components:

- .75 meter Elliptical Antenna,
- .75 meter Clamp Mount Assembly,
- Two-inch Diameter Universal Mount Assembly,
- Dual Satellite Feed Support Arm,
- .75 meter Satellite LNB Horn Clamp Assembly,
- Hardware and Weather Cap,
- Digital Satellite Set-top box Instruction Manual

KEY SAFETY POINTS

• Do not drill any holes until you've confirmed the best location for the antenna.

• Make sure there are no visible obstructions between the antenna and your line of sight to the satellite. Keep in mind that trees will grow and may eventually block the signal.

• Use only R-G 6 coaxial cable. Using R-G 59 coaxial cable may result in significant signal loss and poor reception.

Do not install the antenna:

• Near or under power lines,
• Where it may be easily tampered with,
• Where it may be exposed to high winds,
• During windy or stormy conditions,

The antenna must be mounted on a solid base. To ensure that your antenna doesn't move in windy conditions, choose a location where it can be securely fastened.

We do not recommend:

• Mounting the antenna on a railing
• Installing the antenna on aluminum or vinyl siding, as these are unlikely to be structurally sound.

ANTENNA ASSEMBLY

Using the map of the United States and the table in the instruction manual, find your approximate location. Determine your approximate latitude and longitude from the map.

Refer to the table labeled: Galaxy 19 Satellite, 97 degrees West.

Find the latitude and longitude nearest to your location.

From the table write down the approximate azimuth direction, the approximate elevation angle and the approximate Skew setting. Keep these numbers available for your reference.

To avoid losing any hardware, select a clear area for antenna assembly.

The first thing you'll need is the universal mount.

On each side of the universal mount, insert a twenty millimeter or 3/4 inch carriage head mast-adjusting bolt through the mast and the curved slot of the mount. Use a 5/16-inch flat washer, a 5/16-inch tooth washer and an elastic nut on each side.

Attach the clamp mount assembly to the rear of the antenna using two 91 millimeter or 3½ inch carriage head bolts, two 56 millimeter or 2¼ inch carriage head bolts, four skew lock clips, four lock washers and four nuts.

Before tightening the 4 bolts, adjust the skew alignment angle of the clamp mount assembly to the degree you wrote down earlier.

Now tighten the 4 bolts.

Next locate the feed support arm.

Position the slot as shown.

Run the RG 6 coaxial cable through the feed support arm. Slide the spacer into the end of the feed support arm and insert the 60 millimeter or 2 ½ inch screw bolt to hold it in place.

Then attach the feed support arm to the antenna using a 5/16 inch flat washer and nut. Be sure to tighten the feed support arm securely.

Insert the two 18 millimeter or 5/8 inch carriage head bolts, five sixteenth inch flat washers, and the elastic nuts on the sides of the clamp mount assembly and carefully adjust the antenna elevation to the setting you wrote down earlier.

Line up the straight gray piece inside with the correct elevation degree mark.

Tighten the 2 elevation locking bolts and re-check the antenna elevation setting to make sure the setting has not changed.

Now locate the LNB clamp assembly and weather cap.

Do not change the setting on the LNB. Leave it on the zero degree mark.

Loosen the Phillips head screw on the LNB assembly and slide the assembly on to the feed support arm. Tighten the Phillips head screw securely.

Attach the RG 6 coaxial cable to the LNB. Then slide the weather cap over the end of the LNB.

Determining where to mount the antenna to receive the satellite signal.

Choose an antenna installation location with a clear line of site to the satellite, based on the settings you wrote down earlier.

There should be no trees, buildings or other obstructions between the antenna and the satellite.

If you have a clear line of sight to the satellite, continue with the installation. If not, you must find another location for the antenna.

At the antenna installation location, hold the compass level and steady in your hand. When the

needle stops rotating, slowly rotate the body of the compass so that the end marking North is aligned with the dark half of the needle.

Locate the tick mark on the compass edge corresponding to the satellite azimuth compass direction number you wrote down earlier. This is the direction in which to point your antenna to receive signals.

Visually estimate the satellite elevation angle setting you wrote down earlier. Check any obstructions at that elevation. If there are obstructions, then select another location for the antenna.

Remember that 90 degrees is straight up, zero degrees is straight ahead at the horizon and 45 degrees is halfway in between.

When evaluating the installation location, make sure there are no trees, branches or objects visually obstructing the path between the antenna and the general direction of the satellite. Also keep in mind that trees will grow and they may eventually block the signal from the satellite.

ATTACHING THE ANTENNA

Position the universal mount where you will mount the antenna. When it is level, mark the place where you will need to drill holes to mount the antenna.

Now drill holes where you made the marks.

Secure the universal mount with appropriate hardware. Check the mount for movement. An improperly secured mount will reduce signal reception reliability.

Use a carpenters level to plumb the antenna mast straight section.

If bubble levels are not centered, rotate the mast in the curved slot until it is plumb. Then lock it in place by securely tightening the mast adjusting bolts.

Initially finding the correct satellite signal will be very difficult if the mast is not plumb. Make sure the mast is perfectly vertical.

Insert the 18 millimeter or 5/8 inch carriage head bolts, 5/16 inch flat washers and elastic nuts. Slide the antenna clamp mount assembly on to the mast.

Let the mast make contact with the elevation pivot bolt. Tighten the elevation pivot bolt just enough to hold the antenna in place on the mast.

Using your compass, point the feed support arm in the direction corresponding to the azimuth setting.

WE RECOMMEND THAT YOU CARRY A SMALL TV SET AND THE SET-TOP BOX OUTSIDE TO MAKE THE ALIGNMENT OF THE ANTENNA EASIER.

Connect the satellite set-top box to the "LNB IN" position with the other end of the coaxial cable.

Connect the satellite set-top box "Video Output" to a TV or monitor.

Using the remote control for the satellite set-top box, press 'Menu' to bring up the Main Menu.

Press the arrow down to "set up" and press "OK". Now press the arrow down to Channel Search and press "OK".

'Password' will come up.

This set-top box uses a universal password, which is zero, zero, zero, zero.

You will see "Channel Search."

Towards the bottom right of the screen is a signal Strength and Quality indicator. You will see the Strength Bar in gray, which should read from 55 to 90 percent.

If you do not see signal strength, check your coaxial cable connections for false connections on the LNB or on the "LNB in" position on the back of your set-top box.

You will need to watch the signal quality indicator as you adjust the antenna for maximum signal quality.

Slowly move the antenna and azimuth until a signal quality is found.

If the desired signal is not found, increase or decrease the elevation settings in one-degree increments and repeat the azimuth sweep with small movements of the antenna.

Alternate between elevation and azimuth fine-tuning to reach maximum signal quality between 55 to 80 percent.

When the satellite signal is peaked, tighten all the hardware.

Now you are ready to search the satellite. Press the arrow down to "Search Network" highlighted in yellow and press "OK". You will see a TV box and a Radio box with channels scrolling down. Once the search is complete, you will see how many channels and radio the set-top box has found. This process may take awhile. Press "Exit" three times and you will see channel one, which completes the programming of your set-top box.

Now you must run the RG 6 coaxial cable into the house to the location for your digital satellite set-top box.

This may require drilling holes and running the cable through walls.

INSTALLING THE DIGITAL SATELLITE SET-TOP BOX

Choose a place close to your television set.

Your digital home satellite system box includes:

- DVB Compliant, M-PEG two set-top box,
- Remote Control and batteries,
- RCA Video and audio cables,
- Smart Card,
- Electric cord,
- Manuals

Your set-top box comes with a Smart Card inside the box. This card activates any encrypted channels you may have subscribed to. Please insert the Smart Card with the gold chip facing down and to the back of the set-top box.

Plug the electric cord into the back of the set top box.

Plug the coaxial cable that is coming in from the antenna in the "LNB IN" connection of your set-top box.

You will have two choices to connect the set-top box to your TV set. Either using a coaxial cable connected to the "TO TV" connection of your set-top box, or using the RCA video and audio cables supplied, which should be connected to the color coordinated video and audio connections of the set-top box. This connection will give you a better quality of video and stereo sound when available.

Now, connect the set-top box to the back of your television set.

PROGRAMMING YOUR SET-TOP BOX

Once your set-top box has been properly connected, turn your TV set and set-top box on.

If you chose to use a coaxial cable, use the 'In from Antenna' connection of your TV and switch to Channel Three. Channel Three is universal for most televisions.

If you chose to use the RCA video and audio cables provided, use the proper color connections in the back of your television set, which would be the "Video One" position on your television set.

Use your remote control to continue changing channels. Some of the channels will show as "Smart Card has not been initialized."

Finally, you should call GlobeCast WorldTV at: 1 888 988 5288 to activate your subscription so you can start enjoying all of the channels available on the GlobeCast WorldTV platform.

Please refer to the manual provided with your set-top box for an explanation of the features you can access with your remote control.

Also, visit us at www.globecastwtv.com .

Thank you for choosing GlobeCast WorldTV…the source for international TV in the United States.

1.5 RCU

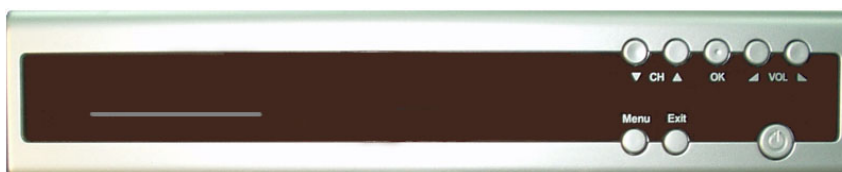| Key	Function
POWER	Turns power ON or OFF of the device
⺌	Press to mute the audio sound
0 ~ 9	Enter Channel number or Manu number
▶ ‖	Play / Pause
⟳	Return to previous channel
EXIT	Returns to the previous menu page or exit from the menu
MENU	Press to active the On-Screen Display (OSD) menu
CH+, CH-	Press to scroll channel up and down to move the highlighted OSD selection through menu or sub menus
VOL-, VOL+	Press to adjust the volume level or to move the highlighted OSD selection through menu or sub menus
OK	Press to confirm selected OSD menu items, or to confirm entered value in any input mode
INFO	Shows information of the current channel. Then press "right" key to tune to next page.
EPG	Display the Electronic Program Guide (EPG)
A→ Z	Sort by alphabet
SAT/P ▲	Display the satellite list of searched channels.
FAV	Display the favorite channel list
LANG	Switches between multi-lingual Audio soundtracks
♫ / P ▼	Switches between TV and Radio mode
AUDIO	Selects the different audio modes
⏱	This key is not currently used
FUNC	Setting channel preview time interval
▦	Switches to teletext or subtitle mode
TV/SAT	Reserve for scart
■■■□□%	This key is not currently used
Color Key	Hot keys for different menus.

Figure 1: Remote Control Unit

1.6 Front Panel

Figure 2: Front Panel

Key	FUNCTION
⏻	**Turns power ON and OFF of the STB (Set Top Box).**
▲ CH ▼	**to scroll channel up and down to move the highlighted OSD selection through menu or sub menus**
OK	**to confirm selected OSD menu items, or to confirm entered value in any input mode**
◢ VOL ◤	**to adjust the volume level or to move the highlighted OSD selection through menu or sub menus**
MENU	**Shows the main menu and command box on the screen.**
Exit	**Return to the previous menu on the menu screen.**

1.7 Rear Panel

Power

Connect to TV or audio tuner

Connect to the TV using RCA jack Of the TV or VCR

Connect to digital amplifier

Connect to the S-Video jack of the TV or VCR

ANT IN: Connect to a TV and VCR

TO TV: Connect to the TV antenna input

LNB IN: Connect to satellite antenna

LOOP: Connect to another STB
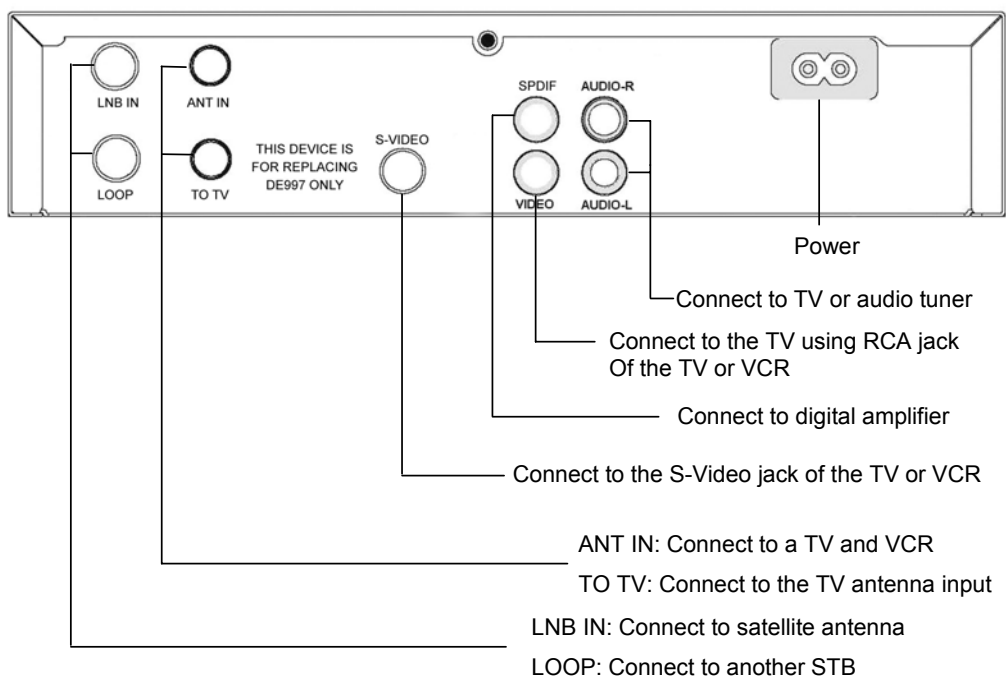
Figure 3: Rear Panel

2. Installation of SE830

This section explains the installation of SE830 to operate it properly. Note: For installation of other outdoor or other added new related equipments such as dish antenna, TV or VCR, please refer to the manuals supplied with those equipments.
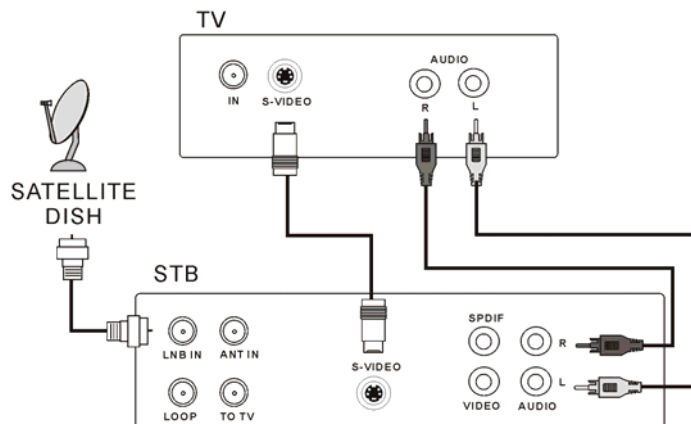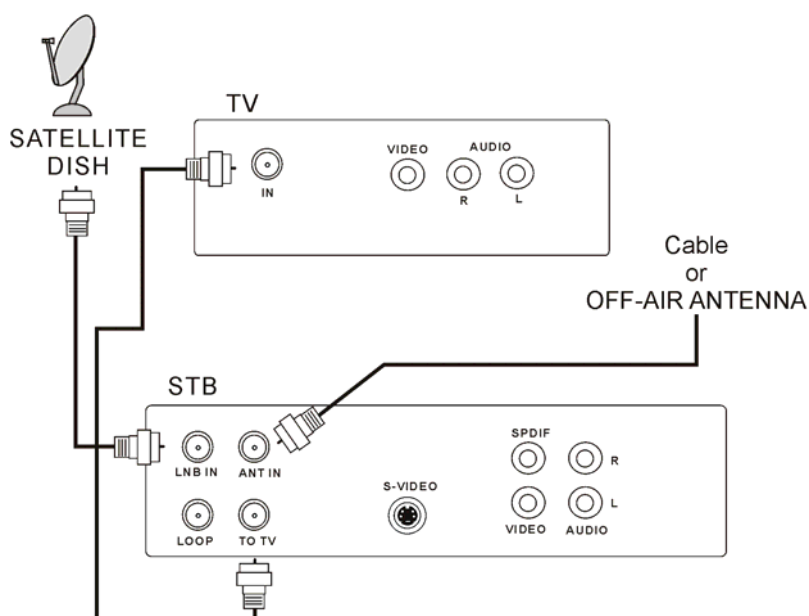
2.1 Connecting to Antenna and TV
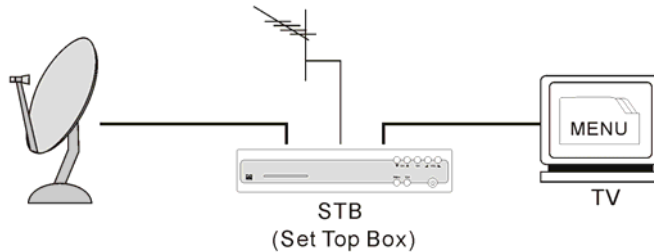
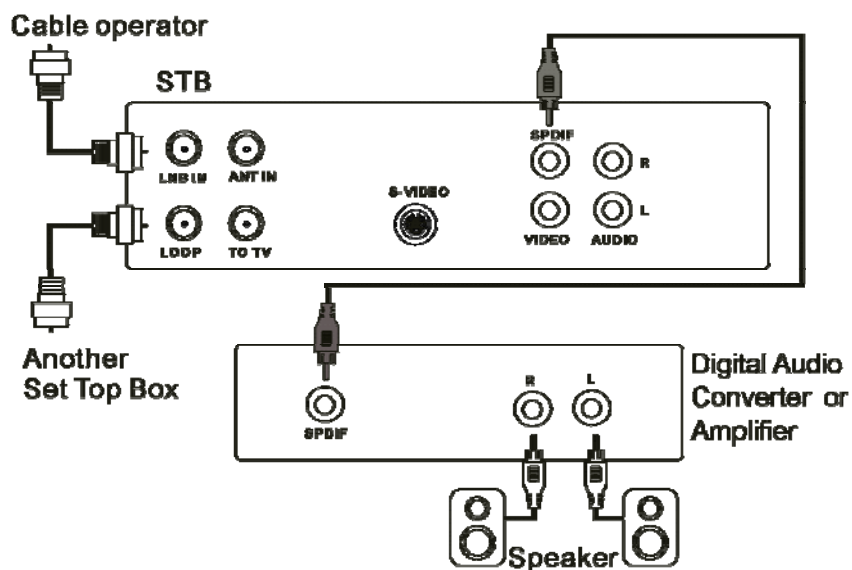### 2.2 Connecting to TV using RCA Support
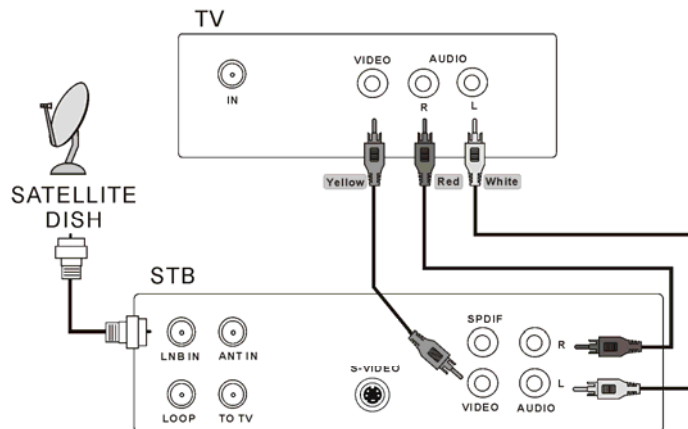
2.3 Connecting to TV using S-Video Support

2.4 Connecting to TV using RF Support

2.5 Connecting to Digital Amplifier

3. Guider for First Time Installation

When the STB (Set Top Box) powers ON for the first time, it is set to factory default that a **Welcome Menu** will appear to guide you the First Time Installation.

- **Welcome Menu**

  It contains 3 user selections

  - NIT Search

  - Installation Guider

  - Main Menu

Press **VOL+/-** key to select the Items then Press **OK** Key

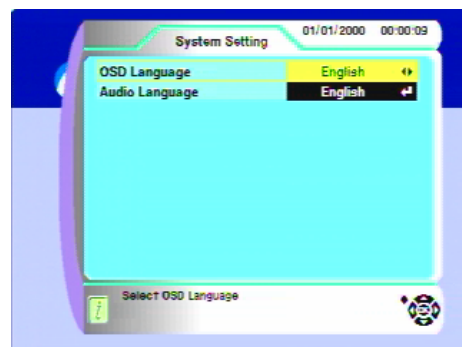Select NIT Search, press **OK**, it will start search GlobeCast programs automatically.

Select Installation Guider, press **OK** key, to start walk through a list of installation Menus one by one.

After setting the Parameters in each Menu, press **Exit** Key to enter into next submenu.

1) System Setting
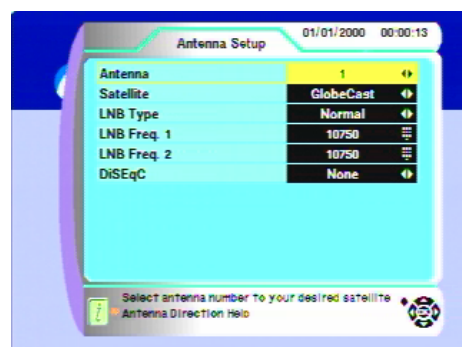
a) OSD Language

b) Audio Language

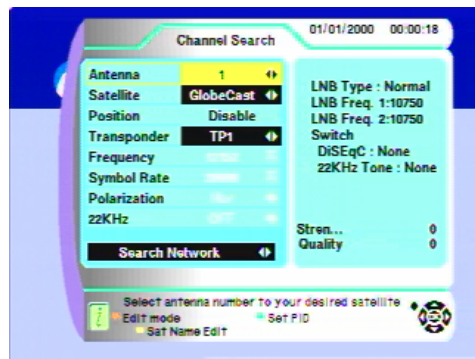Please refer to Section: 7.4.1 and 7.4.2

2) Antenna Setup

Press "**EXIT"** key to quit.

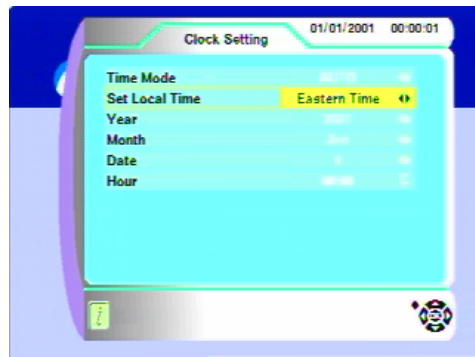Please refer to Section: 7.2

3) Channel Search

  Please refer to Section: 7.3

4) Timer

  a) Clock Setting

  Please refer to Section: 9.1

4. Main Menu Information

Once you have installed and connected the cables of the SE830, the menu will be displayed.

This Main menu consists of 6 choices of menu items as shown below.

- Program Guide
- CH Manager
- Setup
- Info.
- PVR (*reserved)
- Timer

When Menu Key is pressed the Main Menu will popup & the focus will be on the first menu item.

User can use **UP/DOWN** key to select among the main items and can use numeric keys to choose correspondent sub-items or use **VOL-/VOL+** keys to switch focus between Main Items and Sub Items.

If sub items are focused on, **VOL-/VOL+** keys are used to select one of them and Press **OK** Key to activate it.

If one Main Item has no Sub-items then press **OK** Key activate it directly.

5. EPG (Electronic Program Guide)

SE830 provides EPG function for you to get access to the TV Guide (or Radio Guide if you are listening to radio channels) that will show the titles and other information of the current and next programs on different channels. The information is only available from the network to which the channel you are watching.

To see the EPG data, press **EPG** key on your RCU when watching a channel or select Program Guide in the Main Menu Page. The **EPG** box will be displayed.

You can see the selected channel in the PIG screen; channels are listed on the lower left side and program titles and time schedules are listed on the right side.

Press up or down for more channels using the buttons (**CH▲,CH▼**). Move the time cursor (bar above channel list showing time by the hour) by pressing the buttons (**VOL◄,VOL►**).
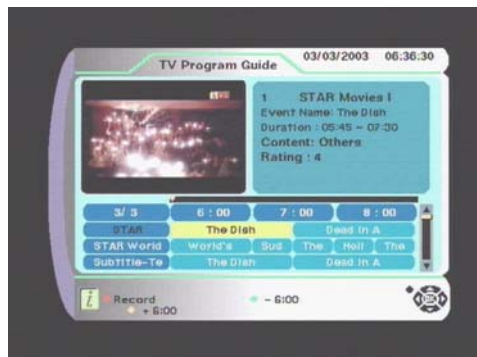
Hot Key:

Yellow color key (+6:00): user can see the program information in pre 6 hours by pressing it.

Green color key (-6:00): user can see the program information in post- 6 hours by pressing it.

Note: A "no information yet" message will be shown if the selected channel does not provide EPG data.

6. CH Manager

SE830 provides one of the most powerful channel managing functions. This function not only allows you to watch channels but also do a lot of interesting and useful things.

Channel Manager consists of 3 Sub-Menus:

    a.   TV Channel List

    b.   Radio Channel List

    c.   Erase All Channels

6.1 TV Channel List & Radio Channel List

Channel Manager consists of TV Channel List, Radio Channel List and Erase All Channels.

Note: Since the usage of Radio Channel List is same as that of TV Channel List, in this manual only TV Channel List is explained.

On the left side of the TV channel menu, you can see the channel list. On the right side, you can watch the current channel in small Picture in Graphic (PIG) mode (1/9 size of the normal mode). You can also see channel information under the PIG screen.

When you move the cursor from one channel to another, the PIG will change accordingly.

You can use those color keys on the RCU as below.

1. Delete mode (Red key)

2. Favorite mode (Green key)

3. Move mode (Yellow key)

4. Lock mode (Blue key)

Pressing the MENU key on the RCU will display the command menu.

TV channel manager has 3 commands as shown below:

1. Rename Favorite group

2. Rename

3. Sort

6.1.1 Favorite Channel

When you select channel manager, default favorite list will be shown on screen as Movies.

Select your favorite channel and then press **OK** key. Then ☺ will be marked next to your selected channel name.

If you want to remove the channel name from the favorite channel list, press **OK** key once again, then the ☺ mark will disappear.

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.

·⊕ Represents scrambled channel

* **How to make a favorite group**

1. When you enter TV Channel List, Movie favorite group will always be the first default favorite group shown on the screen.
2. Use the favorite key (Green color key) on the RCU to display the next favorite group.
   There are total of 16 pre-defined Favorite groups. There are listed as following:

▪ Movies	▪ Sports	▪ Entertainment	▪ News	▪ English-CH
▪ International	▪ Regional	▪ Business	▪ Technology	▪ Wildlife
▪ Cartoon	▪ Kids	▪ Adult	▪ Religious	▪ Spiritual
▪ Educational				

- **How to edit the name of a Favorite group**

1. In the favorite mode, press **MENU** key on the RCU then the command box will be displayed on the screen.
2. Select "**Rename Favorite group**" in the command box.
3. You can edit the name by using the keypad.

6.1.2 Move Channel

In the TV channel List page, then press **Move** key (Yellow color key) on the RCU.

Select a channel by pressing **OK** key and move the cursor to the location where you want to move the selected channel and press **OK** key. Then, you will find that the selected channel has moved to the desired location and the channel number has changed accordingly.

Check whether the channel number has changed on the channel list.

6.1.3 Lock Channel

In the TV channel List page, press **Lock** key (blue color key) on the RCU.

This **Lock** command allows you to lock the channel. First select the channel, which you want to lock, and press **OK** key.

Then the mark 🔒 will be shown beside the selected channel name.

Note: To perform this function, you should set up the Parental Lock in advance in the Parental Control Menu.

6.1.4 Rename Channel

In the Main Page, press **MENU** key on the RCU, and then select Rename on the command menu.

This Rename command allows you to rename the channel. First select the channel to be renamed and press **OK** key, then a Keypad dialog box will be displayed. Enter the desired name.

Check whether the channel name is changed on the channel list.

6.1.5 Delete Channel

In the TV Channel List or Radio Channel List, press **Delete** key (the Red color key on the RCU) once, user can enter Delete CH mode.

Then, if you press **Delete** key (Red color key) repeatedly, the mode will cycle through Delete TP -> Delete Satellite -> Delete All -> Delete CH.

Delete TP: All the channels that belong to the transponder will be deleted.

Delete Satellite: All the channels that belong to the satellite will be deleted.

Delete All: All of the channels will be deleted.

Delete CH: The selected channel (with "**X**" mark) will be deleted.

If you want to cancel the selection, press **OK** key.

If you decide to delete, press **EXIT** key and then press **OK** to delete.

Check whether the channel number is deleted on channel list.

Warning: The deleted channel cannot be recovered unless you search again.

6.1.6 Sort Channel

In the Channel List Page, press **MENU** key on the RCU, and select **Sort** on the command menu.

This Sort menu has a sub command and it allows you to sort the channels, as you like.

You can sort the channels by Favorite, Lock, Scramble, SAT name and CH name. Place the cursor on the desired line, and then press **OK** key.

Check whether the channels are sorted properly on the channel list.

Note: Radio Channel List has the same operation as TV channel List.

6.2 Erase All Channels

If you want to delete all the Channels in the TV Channel List and Radio Channel List then select Erase All Channels Submenu in the Channel Manager & Press OK Key.

After Deleting all the Channels when you press TV Channel List or Radio Channel List it will display a message box as No TV Channel List or No Radio Channel List.
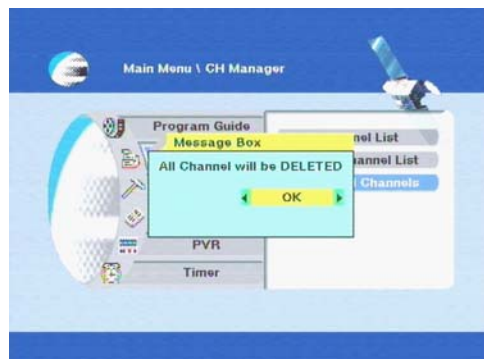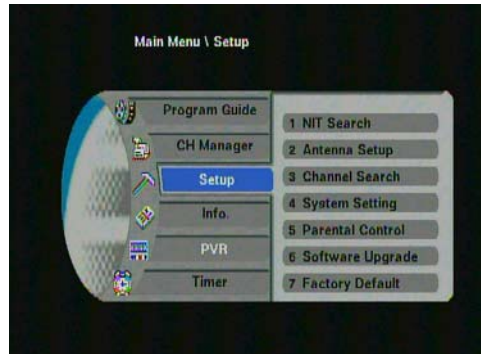
7. Setup

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

- NIT Search
- Antenna Setup
- Channel Search
- System Setting
- Parental Control
- Software Upgrade
- Factory Default

7.1 NIT Search

**NIT Search:** Search channels for the network related to the CH.

7.2 Antenna Setup

1. **Antenna** : You can select a maximum of 16 antennas with the combination **switches**.
2. **Satellite** : Select first satellite you want.
3. **LNB Type** : Select your LNB type. If you have universal LNB, select Univ.
4. **LNB Freq**. : Enter the proper LNB frequency referring to your LNB using the numeric keys on the RCU or use the KEY PAD displayed by pressing **OK** key.
   If you have a dual LNB, enter the proper value in the value box.
5. **Switches (DiSEqC)** : You can select the switches with which you want to configure the antenna.
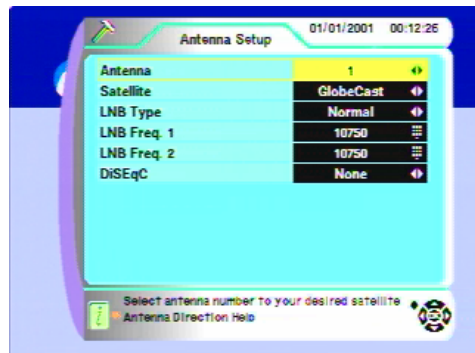
7.3 Channel Search

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

2. **Satellite** : Select desired satellite using **VOL+/-** keys. Pressing the **OK** key will also display a list of satellites. You can see the information of the selected satellite on the right side.
   Edit Mode: If you want to edit certain preprogrammed data such as Transponder, Frequency, Symbol Rate, Polarization and 22 KHz, press **Edit mode** key (Red color key) on the RCU.
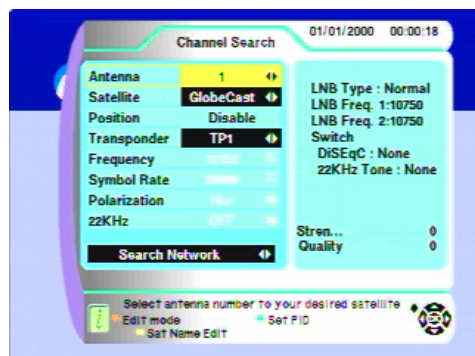
3. **Transponder** : Select desired transponder using **VOL+/-** keys. Pressing the **OK** key will display a Down List Box which also lets you select the desired transponder.

4. **Frequency & Symbol Rate** : Edit the Frequency and Symbol Rate.

5. **Polarization** : Select Hor or Ver.

6. **22KHz :** Select ON or OFF

7. **Search 1 Sat** : Allows you to search channels using the arrow keys.

- **Search 1 SAT**: Search channels for one satellite, which has been selected from the Satellite column.

- **Search TP**: Search channels in one TP, which has been selected from the TP column.

- **Search Network**: Search channels for the network related to the TP.
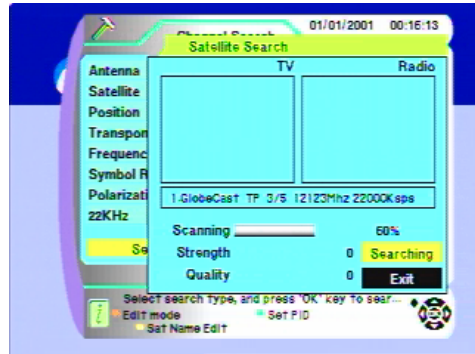
SE830 will automatically search channels for TV and Radio. During this procedure you can see a list of the previously searched channels in the **Searched** List Box on the screen.

On completion of searching channels, the cursor will be placed on **COMPLETE** automatically. Now press **OK** button.

8. **Set PID:** If you want to set PID (Packet Identifier) manually, select TP in the "Channel Search Page" and press **Green** color key on the RCU to display the command box.
Then select SET PID command and press **OK**. The set PID menu will be displayed. Enter the correct value and select **OK**.
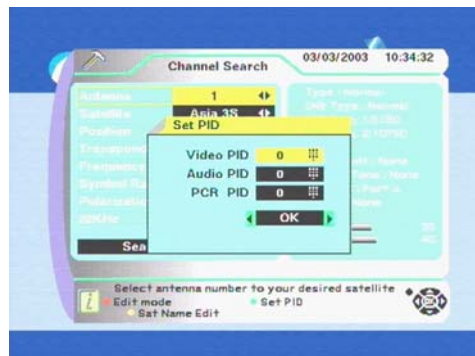
9. **Sat name edit:** If you want to change the satellitename, select the satellite and press Sat Name Edit key (Yellow color key) on the RCU to display the command box. The keypad dialog will appear. Using the arrow keys on the RCU, you can edit the satellite name.

10 **Delete TP :** If you want to delete a Transponder, please select the Transponder which you want to delete and then press **MENU** key on the RCU to display the command box. Then select **Delete TP** command. A confirm message box will be displayed.
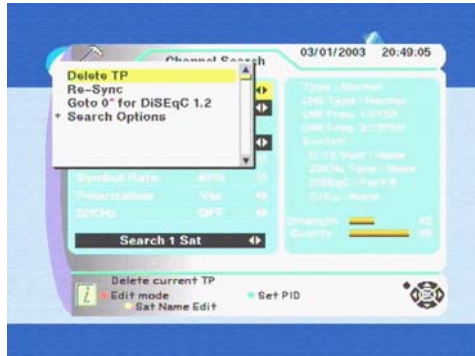
11   **Search Option** : SE830 allows you to search channels with convenient options as shown below.

*   FTA Only
*   Not searched TP only
*   Sort by Scramble

If you select **Sort by Scramble**, SE830 sorts the scrambled channels automatically.

If you select **Not searched TP only**, SE830 searches channels in the TP which were not searched.

7.4 System Setting

The **System Setting** menu allows you to set items depending on your environment.

1. **OSD Language** : Lets you select the desired language.

2. **Audio Language**: Select the desired audio language to be in top priority under the condition that this language is supported by the channel.

3. **LNB power**: If your SE830 is connected to the LNB, select **YES**. But if your SE830 is connected to another receiver through **Loop Through** support, you should check which receiver is connected directly to the LNB. In case the other receiver is directly connected to the LNB, then select **OFF**.

4. **Screen Format**: If your TV supports 16:9 screen format and selected channel provides 16:9 format program, select 16:9.

5. **TV type**: Select the type according to your TV type.
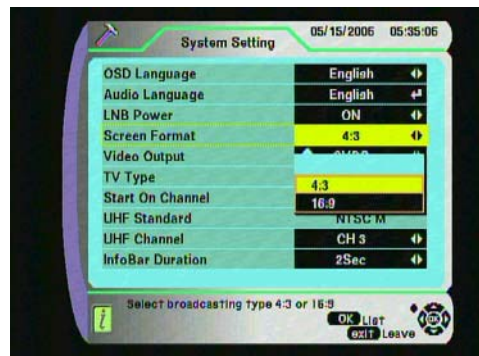
6. **Start On Channel**: If you press **OK** key, then the channel list is displayed. You can select one channel from the list. The selected channel starts whenever you turn on SE830.

7. **UHF Standard**: UHF type.

8. **UHF Channel**: Select your desired UHF channel for satellite mode.

9. **InfoBar Duration**: Select information bar show time.

7.5 Parental Control

In order to prevent children accessing some particular channel, the function allows you to lock these channels with a password.

You can also protect your installed data and information using the **Install Lock**.

a) How to change the Password

1. Enter the current password.
2. Select **ON** of Parental Lock.
3. Enter new password.
4. Confirm your new password entering new password again.
Note: Default password is 0000.

Warning: Once you change the password, please keep it safely.

If you enter the wrong password, then the message Box will popup on the screen.

b) How to use Parent Lock

1. To activate parent lock function, go to the TV channel Manager Page.
2. Press Lock key (Blue color key) on the RCU.
3. Select the channel which you want to Lock.
4. Press OK then 🔒 symbol is displayed.

c) How to use Install Lock

1. Enter the current password.
2. Select **ON** of Install Lock
3. Exit this menu.
4. Select any menu and press **OK** on the RCU .
5. Then the **Enter Password** box will be displayed.
6. Unless you enter the correct password, you can not run any menu.

Note: Default password is 0000   *Warning*: Do not forget your password

d) How to use Rating Control

1. When you press OFF the function is disabled

2. Age from 4 to 18 is included to watch this program

3. If you set Rating as 7 in the box & current Event rating is 7 then user can watch this event directly without the password confirmation.

4. If the Rating control is set to 7 in the box and current event rating is 8 then the user has to enter the password

7.6 Software Upgrade

It will be possible to download new versions of the system software via satellite.

7.7 Factory Default

If you want to bring SE830 back to the factory default condition, select Factory Default and press the **OK** key. Then a warning message will be displayed. To confirm, select **OK**.

Warning: On selecting factory default you will lose all of data and information, which was previously installed.

8. Info.

This function provides the detail information of this box.

8.1 System Information

It will show product name, Software Version and Hardware Version details are given in the System Information.
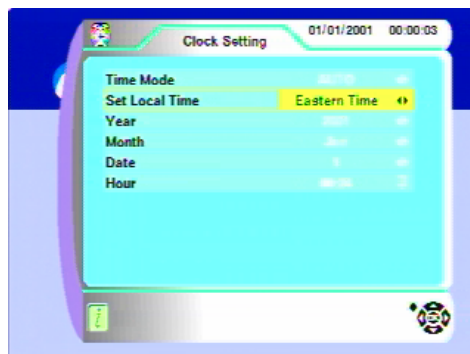
9. Timer

The menu consists of 2 sub-menus.

1. Clock Setting
2. Timer Setting

9.1 Clock Setting

You will get the information real time from the satellite automatically. You can select the time zone.

9.2 Timer Setting

Timer can be activated by "**Turn on time**" and/or "**Turn Off the time**" Option.

Timer allows you to program the various timer functions.

You can set the timer daily, weekly, weekend, weekdays, monthly or once

10. General Viewing Function

The following describes the basic functions of your SE830 while watching satellite TV or listening to satellite radio.

SE830 enables you to watch various scrambled channels by inserting the CAMS and Smart card.

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

10.1 Select Channel

If you want to select channel, use **CH** key on the front panel or **CH+, CH-** key on the RCU or numeric keys.

In addition to the above normal function, SE830 provides more convenient channel change function.

While watching, press **OK** key on the RCU. A channel list will be displayed on the right side of the screen. If you press **EXIT** key, the channel list will disappear.

To select a channel, go up or down this channel list and place the cursor on a desired channel. Then, press **OK** key to watch the selected channel.

If you press **SAT/P ▲, ♫ / P ▼** key on the RCU, the channel list will scroll page by page.

10.2 Pause the frame

Press ▶ ‖ key on the RCU to pause the screen. To bring it back to the normal mode, press ▶ ‖ key again.

10.3 Previous Channel Recall

Press ↻ key on the RCU to move to the previous channel you watched.

10.4 Channel Preview

User can configure 1 to 5 Seconds Time intervals for Channel preview.

Press "**FUNC**" key of remote controller for setting it.

This will be used to surf the channels with in the same satellite as per the configured time.

10.5 TV & Radio Mode

While viewing a TV channel, press the ♫ / **P ▼** key on the RCU to toggle between TV and Radio modes.

10.6 Info Box

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

While watching the channel you can display the Info Box at anytime by pressing the **INFO** key on the RCU.

If you want to remove the Info Box, press **INFO** key again.

a) When INFO Key on the RCU is pressed the Ist box i.e Service status Box is displayed. This contains the information Channel Number, Channel Name, Current Event, Next Event, Current Event Progress, Current Time, Audio Sound Track, Audio Language & Service Status.

Service Status Box contains TV/Radio/Subtitle/Teletext/Scramble. This will appear if the individual service is available.

User can use **CH+/CH-** keys to select Current/ Next Event then press **OK** Key to view the event details.

Audio Sound Track, Audio Language & Subtitle switching can be done.

Press **Info/Exit** Key to hide the Info Box.

If you want to go to next box press **VOL+** Key in the RCU

b) By pressing **VOL+** Key, 2nd Box i.e Signal Status Box will be displayed. This box contains Channel Number, Channel Name, Current Time, Satellite Name, Transponder ID, Frequency, Polarity, Symbol Rate, Signal Power and Signal Quality.

User can use **VOL-** Key to go back to the Ist Box i.e Service Status Box. **VOL+** Key to go to the next box i.e PID Status Box.

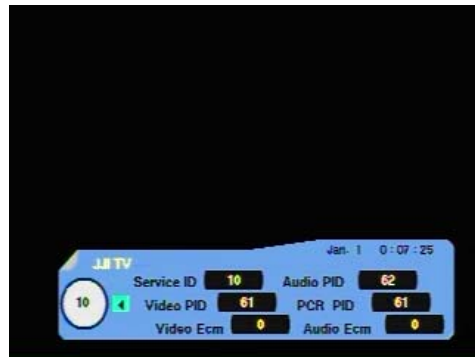**Info/Exit** Key to hide the Info Box
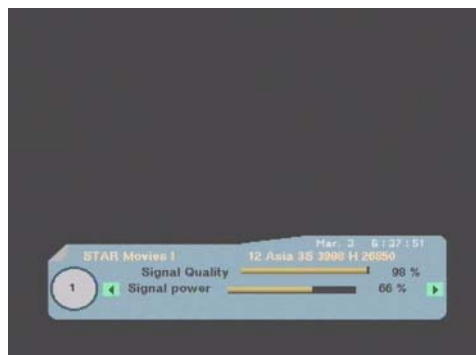
c) By pressing **VOL+** Key, 3rd Box i.e PID Status Box will be displayed. This box contains Channel Number, Channel Name, Current Time, Service ID, Audio PID, Video PID, PCR PID.

User can use **VOL-** Key to go back to the 2nd Box i.e Service Status Box. If user wants to go back to Ist box then press **VOL-** Key 2 times.

Info/Exit Key to hide the Info Box

10.7 Volume & Audio Control

1. Volume Control
To increase or decrease volume, use **VOL+/-** Key on the RCU or VOL ◢/VOL◣ on the front panel.

*Note*: SE830 has 18 volume levels and this can be controlled from the volume level of your TV.

2. Mute

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

3. Audio Control
Press the **AUDIO** key repeatedly to select one of three possible Audio settings (Left, Right and Stereo)

The current audio setting will be displayed in the channel information
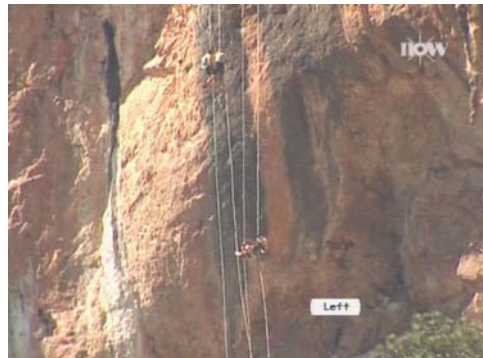
4. Language Selection
Press the **LANG** key on the RCU repeatedly to select audio-language. This is dependent on the transmission of audio signal.

10.8 Sat

If you searched channels from more than one satellite and want to have a channel list for each satellite, press **SAT/P▲** key on the RCU, a satellite list will be displayed.

If you want exit the Satellite information, press **SAT/P ▲** key again.

Select one satellite you want, press **OK** key on the RCU then you will have a channel list of your choice.
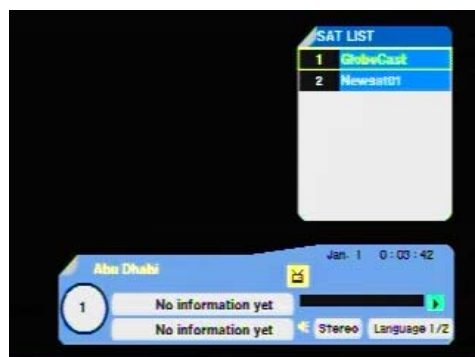
10.9 Favourite List

To view a favorite group list press **FAV** key on the RCU.

You can access the next favorite group when you press **FAV** key again.

The method to group favorite channels is explained in the Favorite Channel (Section6.1.1)

Total 16 Favourite Groups can be listed.

11. Antenna Direction Help

Although you have entered correct values in Antenna Set up menu, if your antenna is positioned incorrectly, you will not receive signal from the Satellite.

So SE830 provides Antenna Direction Help in order to let you have exact information to direct your antenna toward a satellite.

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

Second, enter the value of Longitude and Latitude.
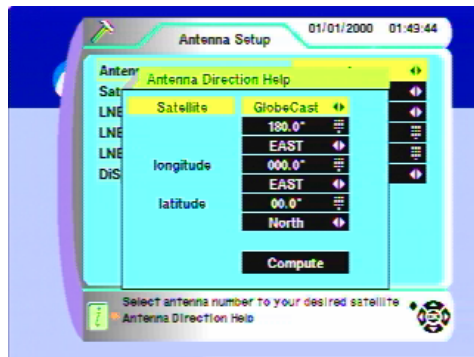
After entering the correct value of your position, place your cursor on Compute and press the **OK** key.

Then SE830 shows the exact information of antenna.

12. Front Panel Display

13. 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 red light is ON.	The SMART 130SC 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 Set Top Box, and/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.
No picture appears on the TV screen.	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 using RF leads.	Check the UHF channel fixed in your system and tunes the UHF channel properly.
There is interference on your digital satellite channels	The system is connected using RF leads and the output channel of the smart 130sc interferes with an existing terrestrial channel or Video signal.	Change the SMART 130SC output channel to a more suitable channel, or connect the system using SCART leads.
The RCU is not working.	Battery exhausted.	Change the batteries.
	RCU is incorrectly aimed.	Aim the RCU at SMART 130SC, or check that nothing blocks the front panel.

Note: If you have tried all of the actions suggested above, and couldn't solve the problem; please contact your dealer or service provider.