NEXT NEXTSTAR

YE-2000 FTA USB

ENGLISH

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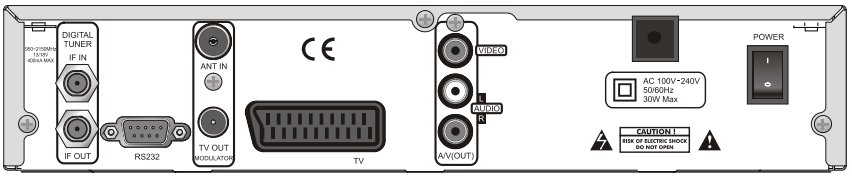
I. GETTING STARTED

1.1 Safety Precautions

This STB has been manufactured to comply with international Safety Standard.
Please take care when using the receiver as below.

- ♦ Power requirement: AC 100V - 240V
- ♦ Do not disassemble
- ♦ Avoid overloading.
- ♦ Avoid extreme humidity
- ♦ Avoid object and liquid entry
- ♦ Keep ventilation hall opened
- ♦ Install this equipment on firm and flat place.
- ♦ Avoid extreme heat and direct sunlight.
- ♦ Do not use the parts and accessories that have not been provided by the manufacturer. Unauthorized substitution may cause trouble.

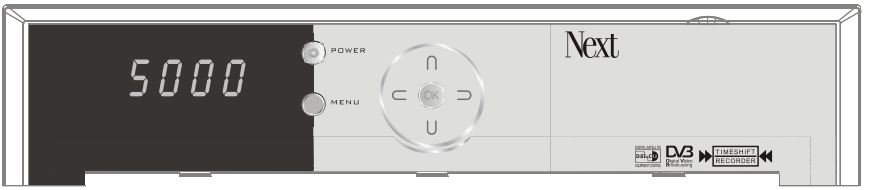
1.2 DSR Rear Panel



TITLE	DESCRIPTION
POWER SUPPLY	AC 100V - 240V, 50/60Hz, Max 30W
POWER SWITCH	Power ON/OFF
LNB IN	Connect satellite antenna
LNB OUT	Connect to the other satellite receivers
RS-232C	Connect PC for software upgrade
ANT IN	Connect TV antenna or CATV cable
TV OUT	Connect TV
TV(SCART)	Connect TV
VIDEO	Connect TV through RCA
AUDIO(L, R)	Connect TV (Left, Right)

I. GETTING STARTED

1.3 DSR Front Panels



POWER		Turn on & off the power of DSR
〉, ⊃	Normal Mode	Change to the next channel
	Menu Mode	Move to the upper item
〈, ⊂	Normal Mode	Change to the previous channel
	Menu Mode	Move to the lower item
∧, ∩	Normal Mode	Volume up
	Menu Mode	Change item upward
∨, ∪	Normal Mode	Volume down
	Menu Mode	Change item downward
MENU	Normal Mode	Display Main Menu
	Menu Mode	Go to sub menu
EXIT		Return from menu
MENU	Normal Mode	Display Main Menu
	Menu Mode	Go to previous menu
OK		Go to sub menu

I. GETTING STARTED

1.4 Remote Control Unit (RCU)

KEY	FUNCTION
⏻	Power ON/OFF
TV/SAT	Switch TV or SAT mode
PAUSE	Pause Screen
SLEEP	Sleep timer
COLOR	Change color setting
0~9	Normal Mode : Select Channel Menu Mode : Direct numeric key entry
RCL	Go back to previous channel
EPG	Show the Electronic Program Guide
MENU	Normal Mode : Show the main menu Menu Mode : Return to the previous menu
SAT	Selects satellite
CH ▲▼	Normal Mode : Change channel Menu Mode : Move menu item
VOL ◂▸	Normal Mode : Adjust the volume Menu Mode : Change menu item
OK	Normal Mode : Show the channel list Menu Mode: Execute the select item.
EXIT	Return to the previous menu
TV/RADIO	Switch TV/Radio mode
FAV	Show Favorite Channel List
i	Show the current channel information
●	Record
🔇	Mute the sound
AV+	Display audio, Teletext, Subtitle menu
⏏	Play list
◂	Fast reward in PVR mode
▸	Fast forward in PVR mode
■	Stop play or record
▶II	Play or pause (time shift)

I. GETTING STARTED

1.5 Installation

Starting Operation

☞ Connect satellite cable to LNB IN

☞ Connect the DSR with TV and other peripheral equipments.

☞ Setup the menu items of the DSR in accordance with TV and peripheral equipment.

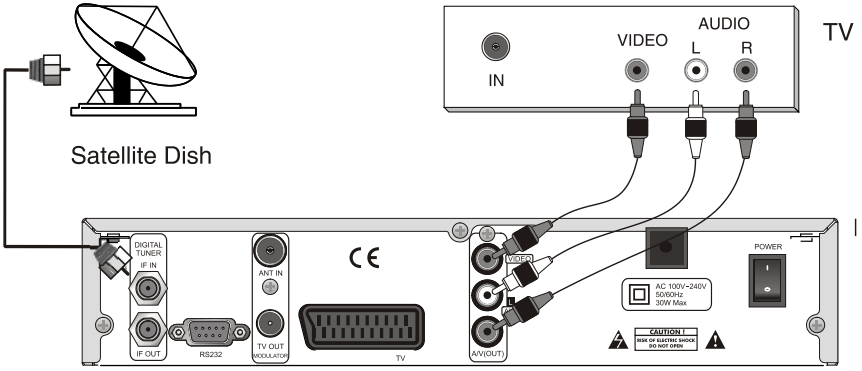
☞ Tune the receiver to receive broadcast channels and information.
Now, the DSR is ready to use.

1.6 Connection Method

Connect related equipments to DSR as below.

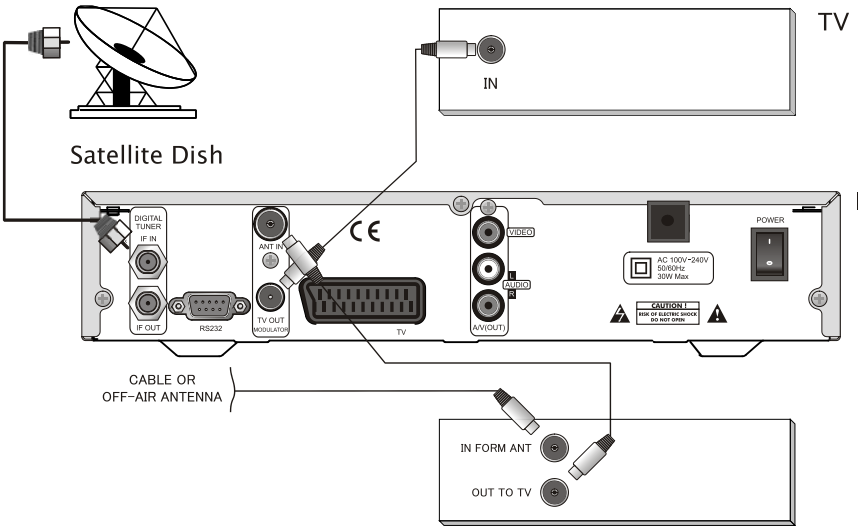
> When you connect DSR to TV by using SCART, please fit the CLAMP FILTER near SCART jack

1.6.1 Connect TV with RCA cable



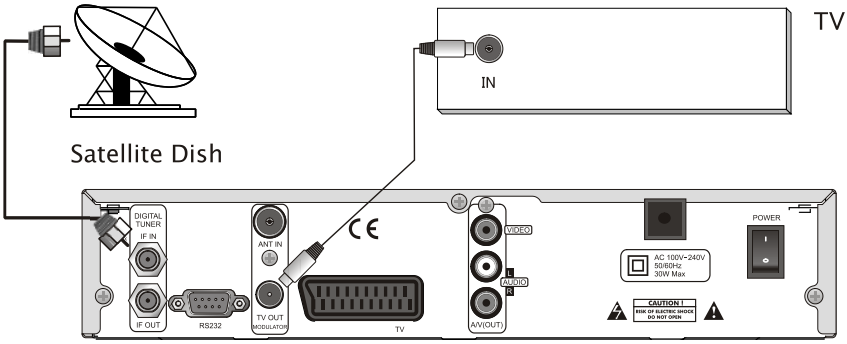
Install 1. Connect to TV with RCA jack Support

1.6.2 Connect TV/VCR with RF cable through external device



Install 2. Connect to TV and VCR with RF cable through external device

1.6.3 Connect TV/VCR with RF cable only



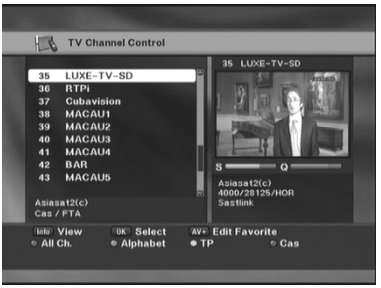
Install 3. Connect to TV/VCR which has RF only

II. CHANNEL / EVENT

2.1. Channel Control

Channel Control consists of TV channel control and Radio channel control.
All kinds of channel editing functions can be performed in this menu like Channel view, Edit Name, Set/Clear favorite, Lock/Unlock, Edit PID, Move and Delete.

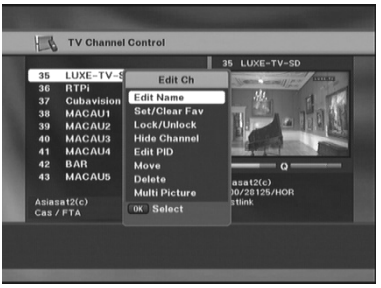
> By default, there's no channel list for both TV and Radio.
> Be sure to perform search channels before use.



2.1.1 Channel Mode

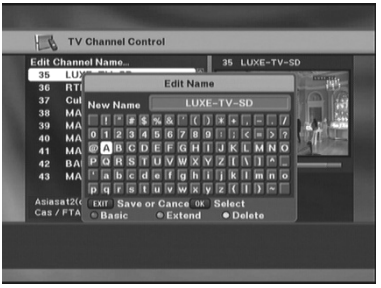
In order to control various channel lists, Channel Mode function keys assist users to organize many channels within their scope of action.

There are various keys to help you to perform channel control functions in help line.



2.1.2 Edit Mode

Press OK key then select channel Edit mode.

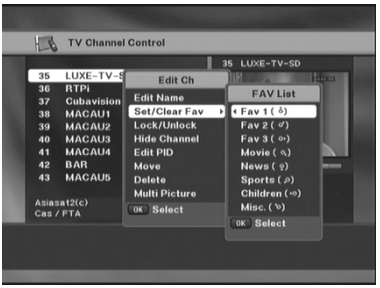


2.1.3 Edit Name

Edit the name of the selected Channel.

Select one channel and press OK key and then you can edit name.

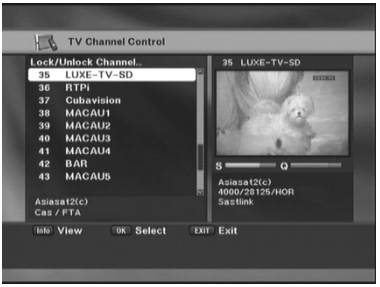
II. CHANNEL / EVENT



2.1.4 Favorite Channels

Select Set/Clear FAV in the channel control popup menu, then another popup menu will appear on the right side of the screen (e.g. News, movie, drama). Select one of them and press OK to add to your favorite list. Then favorite icon will appear beside the channel name

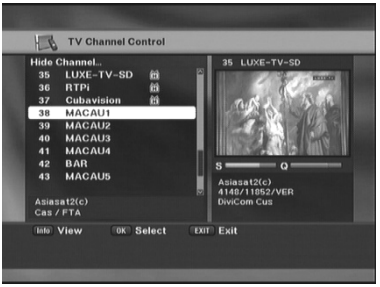
To deselect, go to the selected channel and press OK.



2.1.5 Lock/Unlock Channels

Select Lock/Unlock in the channel control menu. Press OK on the channel that you want to change. Then lock icon will appear beside the channel name. It will confirm that the channel is locked.

To unlock the channel, use▲▼ key on the remote, and press OK on the channel.



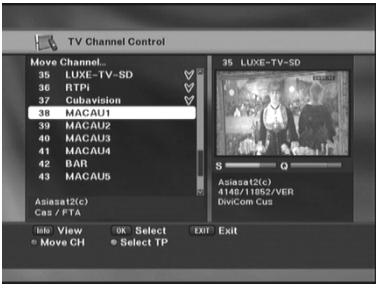
2.1.6 Hide Channel

Select Hide Channel in the edit channel popup menu. Press OK on the channel that you want to set and clear hide channel.

To Show/disappear the Hide channel, you have to enter private password by pressing X+ key.

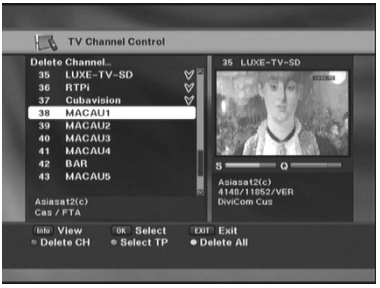
2.1.7 Edit PID

Edit Video PID, Audio PID, PCR PID with Hex or decimal code.
If you want to change PID number, press RED key to Enter value by yourself.



2.1.8 Move

Change the position of the selected channel in the channel list.
Select MOVE in the edit channel popup menu, Press OK on the channel that you want to move, use press UP/DOWN key to locate channel position and RED (move channel) key and then Press EXIT key to save.



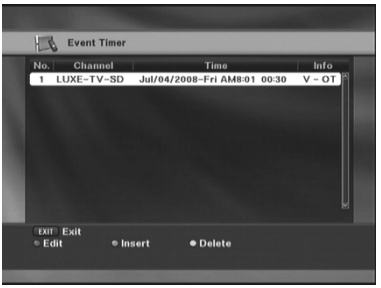
2.1.9 Delete

Delete the selected channel or TP.

Select delete in the edit channel popup menu, press OK on the channel that you want to delete, and RED(delete channel) key or Yellow (delete all)

2.2 Event Timer

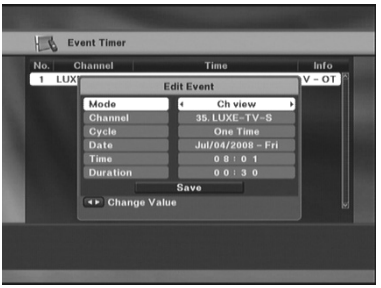
Set the STB work in reservation mode to Wake up and Sleep using Timer.



2.2.1 Event Timer

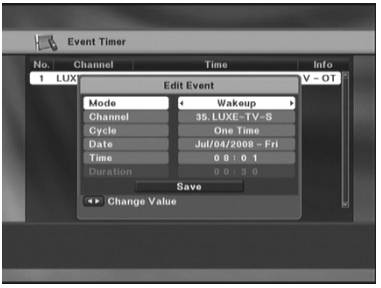
Add the event in the list by the Green key, and edit the selected event in the list by the Red key.
To delete the event, press the Yellow key.

Mode : Reserved / Wakeup / Sleep



2.2.2 Reserved Time

Set the watching channel for turn ON/OFF time, cycle, etc

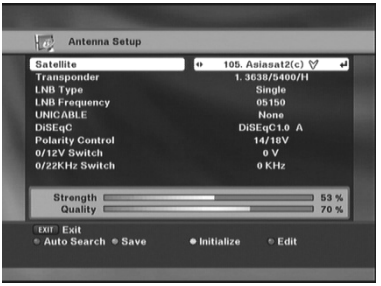


2.2.3 Wakeup Time: Set wake up time.

STB will be automatically powered on by setting of Wakeup time.

III. INSTALLATION

3.1 Antenna setup



☞ Satellite: Select any satellite by pressing ◂▸ keys. (Press blue key to edit the name of the satellite)

☞ Transponder: Select a transponder.

☞ LNB Type : Dual / Universal, Single, OCS, Wideband, Digiturk MDU1, Digiturk MDU2.

☞ LNB Frequency: Select a proper LNB frequency.
(Press blue key to input local frequency)

☞ DiSEqC : Select between "None" or "DiSEqC1.0 A,B,C,D "or " DiSEqC1.1 1 ~ 16"

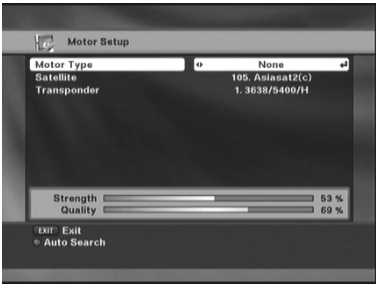
☞ Polarity Control : Select one out of "14/18V", "0/12V", "0/22KHz"

☞ 0/12V Switch : Select between "OV", and "12V"

☞ 0/22KHz Switch : Select between "0KHz", "22KHz", "Auto

i Make sure to save searched channels before exit.
Press YELLOW button to initialize satellite value.
After Antenna setup, you can move to Auto search menu with RED button.

3.2 Motor Setup



You can Select "None", "DiSEqC1.2", or "USALS" by pressing ◂▸ key.

☞ Motor Type: Select a motor type by pressing ◂▸ keys.

☞ Satellite: Select a Satellite.

☞ Transponder: Select a transponder.

III. INSTALLATION

3.2.1 Setting up DiSEqC1.2

In the Motor Setup Menu, select the DiSEqC1.2 then the following menu will be displayed.

- ☞ Satellite: Select a satellite by pressing ◄ ► keys.
- ☞ Transponder: Displaying current TP value.
- ☞ Nudge Size: Motor move step (1-5)
- ☞ Move Coarse: Move west (◄ key), Move east(► key).
- ☞ Move Fine: Move by the value of Nudge size.
- ☞ Motor Control: GOTO, SAVE, GOTOREF
- ☞ Limit Setup: Setting limit.
  - EAST LIMIT: Confirming the setting of East Limit.
  - WEST LIMIT: Confirming the setting of West Limit.
  - DELETE LIMIT: Delete the setting of East & West Limits.

Setting DiseqC 1.2
1. Select DiseqC 1.2 in the **Motor setup** menu
2. Select satellite
3. Move motor until you see good signal
4. After searching satellite, SAVE current position
5. Repeat this operation for other satellites
6. Go to **Auto search** menu with RED key

Setting USALS
1. Select USALS in the **Motor setup** menu
2. Enter longitude and latitude value
3. Save current setting in move control
4. Move motor to current satellite position and check signal.
5. Go to **Auto search** menu with RED key

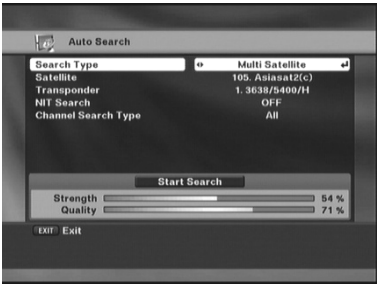
3.2.2 Setting up USALS

Select the USALS in the Motor Setup menu, and press OK key to display following menu.

- ☞ Satellite: Select satellite by pressing ◄ ► keys.
- ☞ Transponder: Displaying current TP value.
- ☞ Satellite Position: You can edit the position of satellite.
- ☞ Longitude: Setting the longitude position.
- ☞ Latitude: Setting the latitude position.
- ☞ Move Coarse: Move DiSEqC1.2 motor manually. Move west (►), Move east (◄).
- ☞ Move Fine: Moves depending on the value of Nudge size.
- ☞ Motor Control: GOTO, SAVE, GOTOREF.
- ☞ Limit Setup: Setting limit.
  - EAST LIMIT: Confirming the setting of East Limit.
  - WEST LIMIT: Confirming the setting of West Limit.
  - DELETE LIMIT: Delete the setting of East & West Limits.

III. INSTALLATION

3.3 Auto Search



All channels will be searched if the selected satellite is properly assigned in the Antenna Setup menu.

☞ Search Type

1. Multi Satellite: Search multiple satellites as you select in pop-up window.
2. One Satellite: Search only the current satellite.
3. Multi Transponder: Search multiple TS in transponder pop-up window.
4. One Transponder: Search current transponder.

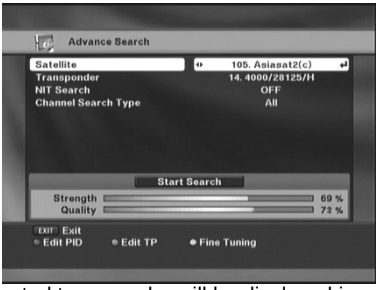
☞ Satellite: Select one of Satellite.
(Select satellite in the auto search menu and press RED key to Multi Satellite Register)

☞ Transponder: Select one of transponders in TP list.

☞ NIT Search: Activate network search mode.

☞ Channel search Type: Select one of search Type between "ALL", "FTA", "Scramble", “All TV”, “FTA TV”, “RADIO”, “Scramble TV”, “All RADIO”, “FTA RADIO”, “Scramble RADIO”

3.4 Advance Search



When a new satellite is launched or you want to search channels from a satellite which is not programmed, you can edit all of the transponders of the satellite by this function and then channels can be searched by "Advance Search".

☞ Edit TP

When you press GREEN key, EDIT TP menu It will be displayed, The settings of "Frequency", "Symbol Rate", "Polarization", and the other of selected transponder will be displayed in each field.

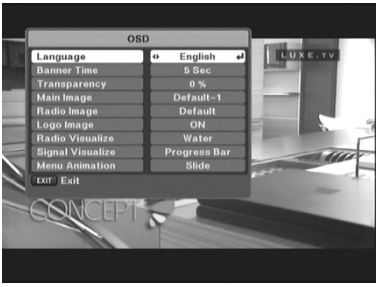
☞ Edit PID: When you press RED key, Select any out of “DEC”,”HEX”.

☞ Find Tuning: When you press YELLOW key, You can control “AGC Value”, “Bandwidth”

IV. SYSTEM SETUP

4.1 OSD Setup

In Normal Mode, Press MENU key, then select System Setup Menu and select OSD menu.



4.1.1 Language

You can set language which will be used for displaying menu. You can select English, French, Russian, Arabic, Persian, Turkish, Italian, and German.

4.1.2 Banner Time

You can set the displaying duration of Banner menu.

☞ Time Range: From 1 to 30 seconds

4.1.3 Transparency

You can set the transparency of menu screen. 9 levels of the transparency are supported. Ranges from 0% to 80%.

4.1.4 Main Image

You can set the type of main still image for background.

4.1.5 Radio Image

You can set the type of still image for Radio.

4.1.6 Logo Image

You can set the Logo Image display ON/OFF

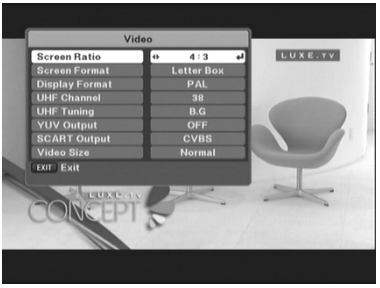
4.1.7 Menu Animation

Supported effect: Slide, Spray, Stripe, None, Fade.

IV. SYSTEM SETUP

4.2 Video

Press MENU key in Normal Mode, then select System Setup, and select Video submenu.



4.2.1 Screen Ratio

You can select the aspect ratio of TV screen according to your TV type.
4:3 and 16:9 modes are supported.

4.2.2 Screen Format

If the Screen Ratio is 4:3, there will be choices as Letter Box, Center, combined, and Full.
If the screen Ratio is 16:9, you will have choice as letter Box and Center and Full.

4.2.3 Display Format

You can select Display Format according to your TV type.
"PAL", "NTSC", "SECAM", and "PAL & NTSC" modes are supported.

4.2.4 Display Size

1080i, 720p, 576p, 480p

4.2.5 UHF Channel

To set UHF channel, press OK key, then press ▲▼key on the remote control unit.
Channel Range: CH21 to CH69.

4.2.6 UHF Tuning

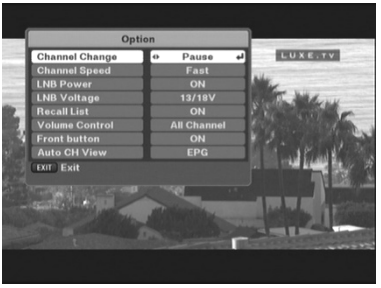
You can select your desired UHF channel by pressing OK key, then press ▲▼key on the remote control unit.
Supported mode: B.G, I, D.K, M.N

4.2.7 Video Output

You can set the video mode for the TV SCART output, by pressing OK key, then press ▲▼ key on the remote control unit. 2 Video Output as RGV/CVBS are supported.

IV. SYSTEM SETUP

4.3 Option



Press MENU key in Normal Mode, then select System Setup menu, and select Option.

4.3.1 Channel Change

You can select the way of changing the channel by pressing OK key, then press ▲▼key on the RCU. Supported mode: Blank, Fade

4.3.2 Channel speed

You can set channel switching speed.

4.3.3 LNB Power

You can set the LNB Power ON/OFF by pressing OK key, then press ▲▼key on the RCU.

4.3.4 LNB Voltage

You can set LNB voltage by pressing OK key, then press ▲▼key on the remote control unit.
Supported voltage: 13/18V, 14/19V

4.3.5 Recall List

If you set it 'ON', you will be able to see the 'Recall List' when you press RCL button.
If you set it 'OFF', you can go back to the previous channel only.

> Recall list is the menu in which you can see the channels you watched past.

4.3.6 Volume Control

You can set the Volume Control by pressing OK key, then press ▲▼key on the RCU.
Supported mode: All Channel - the volume value of all channel same value channel - every channel can have different volume value.

4.3.7 Front Button

You can set ON/OFF

- ☞ ON: Front Key is working
- ☞ OFF: Front Key is not working

IV. SYSTEM SETUP

4.4 Time

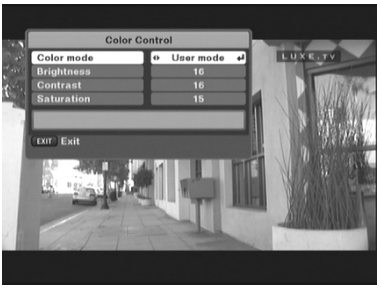
If you want to set time, press MENU key in Normal Mode, then select System Setup menu, and select Time menu

☞ Time Offset

Press◄► key to set the Current Time.

For your reference, when you scroll time zone, the name of city will be displayed.

4.5 Color Control



If you want fine tuning for color value, press MENU key in Normal Mode, then select System Setup menu, and select Color Control menu.

4.5.1 Color Mode

You can set the Color Mode.
Supported mode: User, Movie, News, Sports.

4.6 Parental Control

You can prevent children from watching channels, which are unsuitable for them. Only the person who knows the password can watch the prohibited channels.
In the parental control menu, you can select four password options.

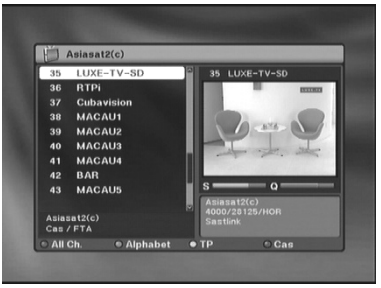
4.6.1 Lock Grade

Change the password options by ◄►, None, Menu, channel, Menu & Channel.

Password is made up of 4 digit numbers; it is never shown on the screen.
Only asterisks appears as you input password, when you select the locked channel in "Favorite TV/Radio" or "TV/Radio channel Control", you will find the following message "Key in Password" on screen. Then please insert your password.

V. CHANNEL LIST

5.1 Channel List



Press OK key while watching video, then Channel List menu will be shown depends on channel mode (Sort mode). If the channel mode (Sort mode) is favorite mode, then Favorite channel list will be displayed.
You can search the channel by sort function.

5.1.1 Satellite sort

If you want to change satellite select mode, press SAT key, and then Small pop-up window will be displayed, select one among them by pressing OK, and then select channel by pressing OK. Then the satellite select will be changed.

5.1.2 Alphabet Sort

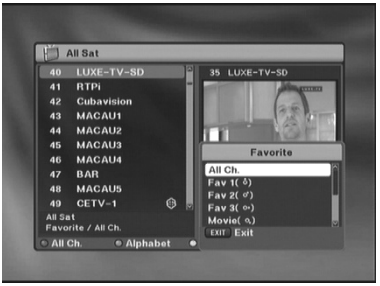
If you want to change alphabetical mode, press Green key, and then Small pop-up window will be displayed, select among them by pressing LEFT/RIGHT/UP/DOWN, and then select alphabet by pressing OK. Then the alphabetical mode channel list will be changed.

5.1.3 HD Sort

If you want to change into HD sort mode, press HD key.

5.1.3 Favorite Sort

If you want to change Favorite Sorting mode, press FAV key, and then Small pop-up window will be displayed, select among them by pressing UP/DOWN, and then select Fav. List by pressing OK. Then the Favorite channel list will be changed.



V. CHANNEL LIST

5.1.4 TP Sort

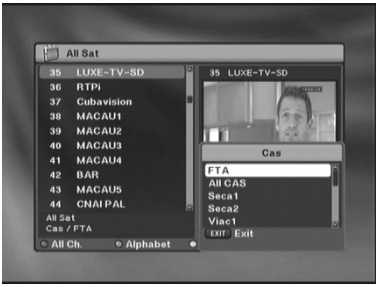
If you want to change TP (Transponder) Sorting mode, press Yellow key, and then Small pop-up window will be displayed, select among them by pressing UP/DOWN, and then select TP list by pressing OK.

Then the TP channel list will be changed.

5.1.5 CAS sort

If you want to change into CAS Sorting mode, press Blue key, and then Small pop-up window will be displayed, select one among them by press UP/DOWN, and then select another CAS list by press OK.

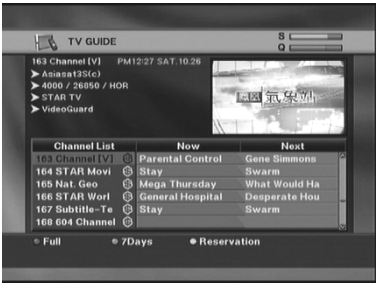
Then the CAS channel list will be changed.



VI. CHANNEL GUIDE

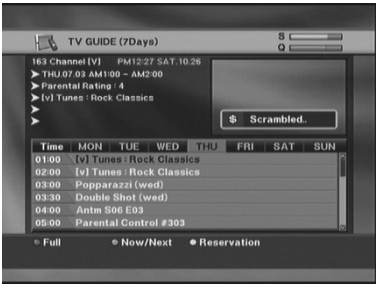
6.1 Channel Guide

Press EPG key while watching channel, then TV GUIDE menu will be shown.



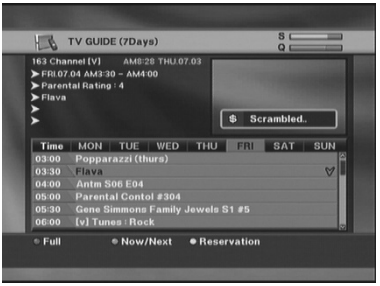
The EPG menu consists of Channel number, Event name and the flag of extended event description.
Brief TV guide information of current channel will be displayed on the bottom of the screen.

By pressing RED key, select FULL TV Guide.



By pressing GREEN Key, 7-Days Guide will be displayed. And it is possible to move Now to guide and Next guide by pressing LEFT/RIGHT key.

Information consists of Event Name, Event Description and Extended Event Description



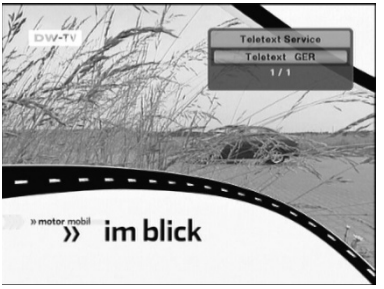
By pressing YELLOW button, you can easily set reservation schedule.

VII. NORMAL MODE

7.1 Normal Mode

7.1.1 EBU Teletext / Subtitle

For more detailed channel information, some channels are supporting Teletext/Subtitle service. There are two types of EBU Teletext service as followings:

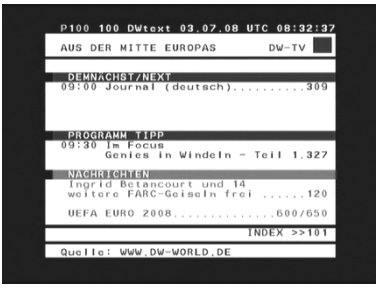


This satellite receiver supports the both types.

☞ VBI: Supported by TV and controlled by Teletext key on TV remote controller.

☞ STB: Supported by satellite receiver and controlled by receiver's remote controller.

Press AV+ key in the normal mode.
Choosing a Teletext service, then it will display to Teletext from current channel



< Teletext Mode >

< Subtitle >

VII. NORMAL MODE

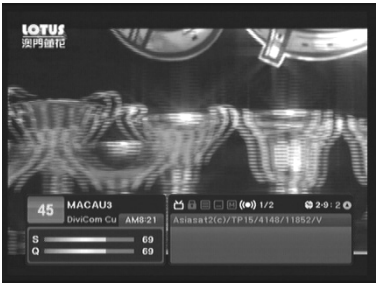
7.1.2 Audio Control

Press AV+ key, then you can see Audio pop-up window and you can select audio language and audio mode
(Left, Right, Stereo).

7.1.3 Fine Tuning

When the signal is very poor, you can change the user value in fine tuning menu, for better reception.

Press RED key in the normal mode, then select Fine Tuning.



7.1.4 Auto Channel Change

Press UP/DOWN key for 2 ~ 3 seconds, then you can see auto Channel message on the channel information and you can change the time of auto channel change.

VIII. ADDITIONAL FUNCTION

8.1 Channel Information

Basic Box

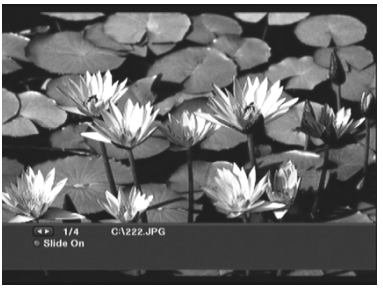
This is the information box containing "Program Number", "Program Name", "Signal Quality bar", "Current Time", and "Provider name" only.

Extended Box

This has additional information like and Satellite, channel Frequency and CAS Type as well as basic Channel Information.

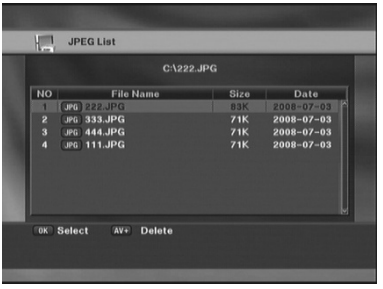
IX. MODULE

9.1 USB



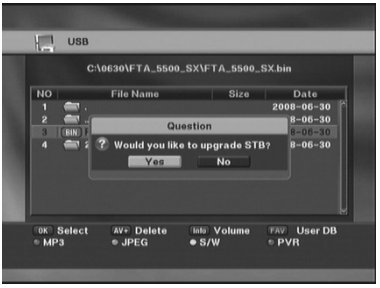
This function enables you to see picture and to listen MP3 music in case you insert USB memory which contain MP3 files and JPEG files.
Being selected USB in the "Module" menu; you will see the list on the screen.
And then, move by pressing ▲▼ key then press OK key.

When you select mp3 (red key), you can search mp3 file and can view.

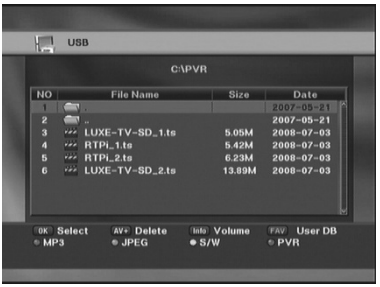


When you select jpeg (green key), you can search jpeg file and can play.

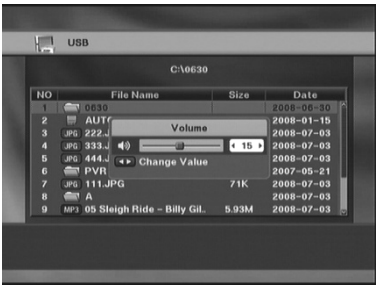
IX. MODULE



In order to download Software from USB memory, select Software which you download from the list. And then press OK key for Software download.



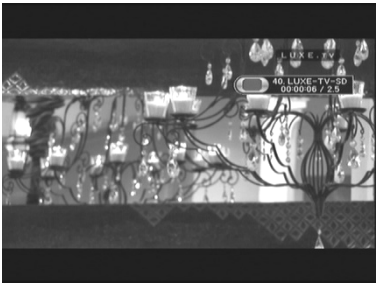
When you select PVR (blue key), you can search PVR file and can play.



If you want to adjust volume, press *i* key.
Yon can control volume by pressing ◄ ► key.

IX. MODULE

9.2 USB PVR



9.2.1 Record

It is recording function of the current watching program by REC key.

9.2.2 Timeshift

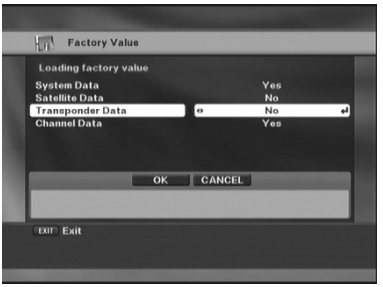
The watching program is can be Paused or playback by the PLAY/PAUSE key.

9.2.3 Navigation bar

The navigation bar shows the status of playback program in the PVR and Time shift mode.

X. STB STATUS

10.1 Factory Value



This function will reset all the parameters as factory default value. When this menu is selected, the message will be displayed on the screen.

You can change each field into default data in Factory Value.

10.2 STB Information

STB Information shows STB software version, data, etc for your reference. At the top of the page you will see the software version of the STB.

XI. SPECIFICATIONS

SYSTEM CAPABILITY	Fully DVB Compliant

DEMODULATOR	
Type	QPSK & FEC
Symbol Rate	2 ~ 45Msps
SCPC and MCPC capable	

VIDEO / AUDIO DECODER

Video Decoder	MPEG-2 Main Profile @ Main Level
Audio Decoder	MPEG-1 layer1 and 2
Video Output	NTSC / PAL / SECAM
Pixel	720 x 480 @ 30 fps 720 x 576 @ 25 fps
Video Format	4 : 3, 16 : 9

SYSTEM MEMORY

Flash ROM	16M bits
SDRAM	128M bits

LNB / TUNER INPUT (DIGITAL)

Input Frequency	950 to 2150MHz
LNB Supply	13/18V Max. 400mA
Band Switch Control	22KHz
DiSEqC	1.0, 1.2, USALS Compatible
Connector	2 x F-Type
YUV Connector	Y Pb Pr
TV Scart	RGB, CVBS, Audio L/R
VCR Scart	CVBS, Audio L/R

RF MODULATOR

Connector	75 Ohm, IEC 169-2, Male / Female
Output Channel	CH21 ~ 69, 169-2

DATA SERVICE PORT

Connector	9-pin D-sub
Data Protocol	RS-232C
Data Rate	Max. 115,200bits/s

POWER SUPPLY

Type	Switching Mode Power Supply
Input Voltage	AC 100V-240V, 50/60Hz
Nominal Power Consumption	Max. 30W