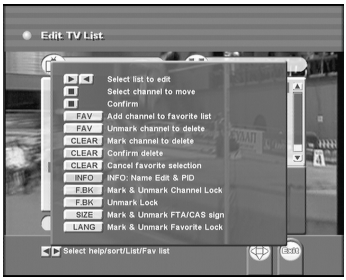
Creat favorite channel

You can creat favorite channel list, containing the channel which you want to watch frequently.

Press FAV button channel you want, and then selected channel will be moved to Favorite List box. To delete the disired channel from the Favorite List, press CLEAR button.

Help function

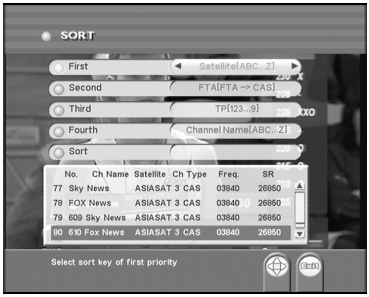
You can see the functions of each button in Edit TV List. Select the HELP button.



Sort

If you want to sort channels in order, select the SORT button in Edit channels.

You can select the order you want.



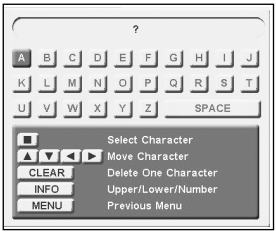
Lock Channels

From here you can lock channels in any of the lists in order to prevent your children from watching.

If you have the password already and want to lock a certain channel, press F.BK button at the desired channel. Everytime you watch the channel, the unit will ask you to input password.

Edit Channel Name

1. Press INFO button on Edit TV or Edit Radio list. Cursor will be moved by using VOL ◀ ▶ , CH ▲ ▼.



2. Press OK button on desired alphabet. To delete pre-selected alphabet, press CLEAR button.

3. To change character set(upper, lower, number), press INFO button. By using MENU button, it will be automatically stored and moved to previous menu.

Parental Control

If you use this funciton you have to enter the password everytime you start this satellite receiver.

1. Select Parental Control on the installation.

2. To secure program setting and installation, select Change Password.

3. Input 4 digits New Password. And input password Confirm New once more. After all the password function is set, the unit will ask you to input password to get into the menus of Installation and System Settings. Input correct password which was already stored.

If the password is forgotten, contact your service provider.

4.3 Other functions

Audio Selection

If broadcasting channel is supporting multi language, different language can be selected from Audio Selection.

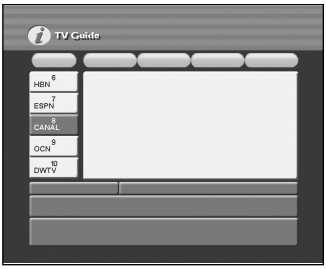
1. To select different language on current channel, select Audio Selection on the Main Menu.

2. Press OK button on your favorite language.

According to different audio data on each channel, up to 4 different audio language types can be selected.

TV Guide

Press GUIDE button of RCU for channel information. This function works in digital mode only.



Teletext function

Pressing the TEXT button will open a Teletext page. Select teletext pages with the numeric buttons on the RCU.

From Teletext Screen

CLEAR

Overlay background screen and teletext mode according to the following

order(transparency - Teletext only - Opacity)

INFO
Hold of current Teletext page

PAGE UP/DOWN
Move previous and next page in one

CH UP/DOWN
Move previous and next page in one

FAV/TV/RADIO/F.BK/LANG/AUDIO
100/200/300/400/500/600 page level

0 ~ 9
Select Teletext page

EXIT
Exit teletext mode

Clock Function

- From the Front Pannel

Menu button
The clock shows 12:00 o'clock on the front panel when the power is off. If user press MAIN button, the 12:00 o'clock is on and off continually and then user can set up the time using the VOL, CH, OK buttons. If user press MENU button again, the setting is finished and the time works regularly.

Channel button
This CH ▲ ▼ allows user to set up the time.

Volume button
This VOL ◀ ▶ allows user to set up the minute.

OK button
This OK button allows user to finish the setup of time. If user press OK button after setting up time, the on and off is gone on the front panel and the time works regularly.

[Screen Division Function]

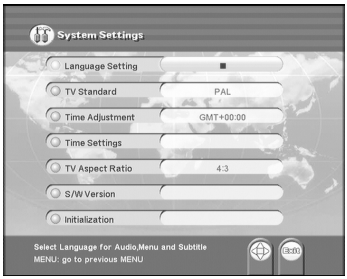
You can check other channels (still picture mode) while you are watching a specific alive channel with this function.

1. *In the full screen mode, press "OSD" key in the Remote Control then you will get 4 divided pictures.*

2. By pressing "VOL ◀ ▶" key, you can select a frame one by one. Selected frame will provide you a live picture.
3. By pressing "CH ▲ ▼ " key, you can change the channel in the selected frame.
4. Press "Exit" key, then the function goes to the full screen mode.
5. If you press "OSD" key one more time in the No.1 stage above, you will have 13 divided pictures and operations are same as above.

4.4 System Settings

Please make sure to press OK button always, after the changing items of System Settings.



• ***Language Setting***

Select the language which you desire to display on the screen for your system. Press OK button to get in more options.

Audio language

Only if a current channel contains 2 or more audio language information, set the Audio Language as English or other favorite language. Then press OK button for its confirmation.

Menu Language

For menu language selection, select desired language from Menu Language of system Settings.

Subtitle Mode

Subtitle is a printed version of the dialogue, narration, and/or sound effects of a TV program. Subtitle will appear at either the top or bottom of the screen during

Subtitle Language

Please select the primary and secondary languages in your area.

TV Standard

Except for a few, most countires are using PAL system for TV signal, accordingly set TV Standard as PAL. To be more flexible for NTSC or PAL signal from different satellites, select MULTI for automatic signal conversion. Then press OK button for its confirmation.

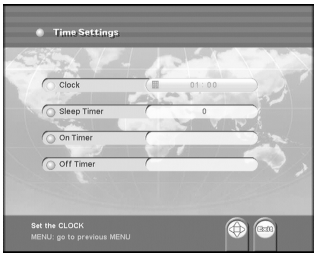
Time Adjustment

To set the receiver time for EPG(Electronic Program Guide), set the time according to GMT(Greenwich Mean Time) by using CH ▲ ▼. If EPG in England is needed to set, adjust as 00:00. In the case of Beijing, adjust as 08:00.

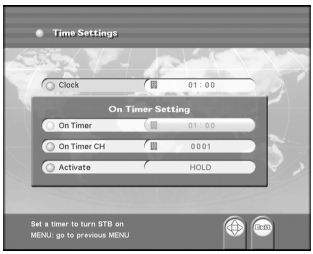
Time Settings

Use clock, sleep, on/off Timer function by choosing time settings menu.

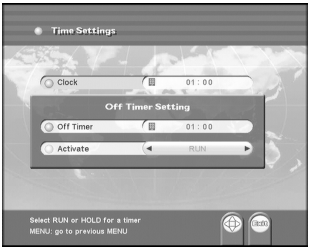
1. Press CH(▲▼) buttons or number buttons to set the local time.
2. Set the time STB turns on with on Timer setting menu.



3. Select a channel you wish to see in running the on Timer function.



4. Set the time STB turns off with off Timer setting menu.



TV Aspect Ratio

Select 4:3 for normal TV or 16:9 for wide TV. Then press OK button for its confirmation. If 4:3 ratio is selected on normal TV for wide channel, both left and right side of the screen will be a bit trimmed. If 16:9 ratio is selected on normal TV for wide channels the screen trim symptom will not occur. However the screen will be in narrow view.

Wide screen will be properly viewed, only when wide channel is broadcasting.

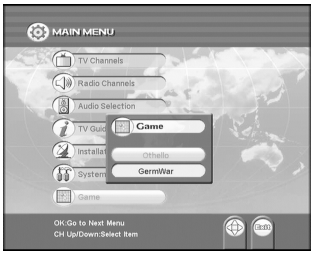
Initialization

Press OK button from Initialization. If you want initialization, select OK button, otherwise, select any button of remote controller. The receiver will be turned off and on automatically after 1~2 seconds to initialize all the values to factory setting mode.

As this procedure will clear and set to factory default values, end users are not recommended to operate this function.

4.5 Game

Select Game on the Main Menu.



1. To play game.

Select Game & Press OK.

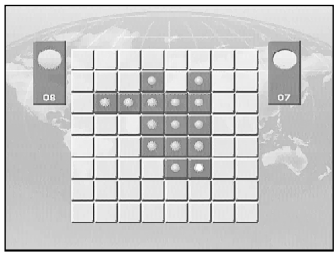
2. Select play mode by using number buttons & press Exit to Exit.

3. Select the color & press OK.

4. Now play the game.

1

2



3

5.1 Troubleshooting

SYMPTOM	SOLUTION
No picture display and no LED channel display	Check the power connection
No picture display with normal LED channel display	1. Check the connection with TV 2. Check the connection between TV outside input and receiver cable
No satellite channel with MAIN MENU screen on	1. Check the LNB, Frequency, Polarization and Symbol Rate from Installation menu 2. Check the connection of receiver or Antenna angle
No sound with normal screen display	1. Check between sound output connector and TV 2. Check if it is not in MUTE condition
Remote control unit does not work	Check if the batteries in remote control unit are dead

5.2 Specification

LNB/Tuner	RF input frequency	950 to 2,150MHz
	RF input level	-65 to -25dBm
	LNB control	DiSEqC1.0/1.2
	LNB power	13V/18V(Max.400mA)
	LNB tone switch	22KH ±2KHz(0.6Vp-p)
	External LNB switch	0/12V(100mA)
MPEG	VIdeo	MPEG-II Main Profile@Main Level
	Audio	MPEG-II layer I&II
VIDEO	Resolution	720 ×576
	Video output level	1Vp-p into 75 Ω
	Aspect ratio	4:3, 16:9
Audio	Frequency range	20Hz to 20KHz
	Sampling frequency	32/44.1/48KHz
	Frequency response	20Hz to 20KHz Hi-Fi Quality Digital stereo
	Audio output level	2V rms into 600 Ω
General Data	Supply voltage	100~240V (AC, 50/60Hz)
	Power consumption	Max.25W
	Operating temp.	0 ˚C ~ 50 ˚C
	Storage temp.	-40 ˚C ~65˚C
	Dimensions	245(W) ×247(D) ×60(H)mm
	Weight	2.0Kg

5.3 Glossary

LNB

Low Noise Block converter. The LNB is an electronic unit mounted on satellite dish to receive signals reflected by the dish and convert to signals.

L.O. frequency

Local Oscillator frequency as a part of LNB. It converts the satellite frequency to usable signals for the receiver.

Polarization

Polarization allows several programs to be fitted into same frequency band.

Symbol Rate

Size of the digital package transmission

Parental Control

The function is to allow parents to lock channels for unsuitable viewers. A locked program can only be unlocked with the password.

DVB

Digital Video Broadcast. International standard for digital TV broadcasting

MPEG

Moving Picture Experts Group, A system for compression of digital data

RF

Radio Frequency

EPG

Electronic Programming Guide. Program information is displayed on the TV screen, depending upon the satellite condition.

MHz

Abbreviation for MegaHertz. The prefix mega means million, and Hertz means cycles per second.

DiSEqC

Digital Satellite Equipment Control

NTSC

National Television Standards Committee

PAL

Phase Alternate Line

Ku band

11~18GHz Frequency

C band

3~4GHz Frequency

SCPC

Single Channel Per Carrier

MCPC

Multi Channel Per Carrier

PID

Packet Identifier.

TP

TransPonder

SCART, RCA

A connector for connection of Satellite receiver, VCR and TV sets.

VCR

Video Cassette Recorder.

Made in Korea

CAUTION: Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment

WARNING
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

INFORMATION TO USER:
This equipment has been tested and found to comply with the limit of 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:

1. Reorient / Relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit difference from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help