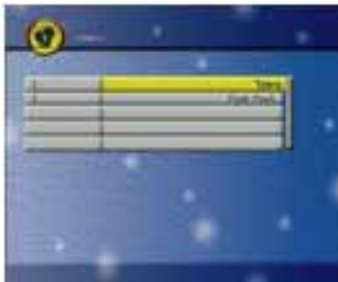


OPERATION



Game

You can play some games.



A. Tetris : Matching the Blocks in one line once it falls down.

- ♦ Green button : Re-Starting the Game.
- ♦ Yellow button : Increasing the Game Level.



B. PUSH PUSH : Moving the yellow boxes to the each stage destination.

- ♦ Red button : Re-Starting the Game.
- ♦ Green button : Back to the previous step.
- ♦ Yellow button : Go to the next step.
- ♦ Blue button : Sound on/ off.

OPERATION



Calendar

You can use it as a calendar.

- ♦ Red button : previous year
- ♦ Green button : next year
- ♦ Yellow button : previous month
- ♦ Blue button : next month



Bio Rhythm

It shows the Bio Rhythm for the input date.

- ♦ The Right, Left buttons can change the year, month, and date.
- ♦ The Up, Down buttons can change the present condition date.
- ♦ By pressing OK button, you can check the Bio Rhythm.

OPERATION

5 CHANNEL LIST

When you see any channel, press OK button and then channel's information via small window will be shown.

You can easily find, edit, delete and sort the channels.



Quick Find (All Channel List)/ White Button

By pressing White button, you can enter to the Quick Find menu in which you can search the channels by the channel name.

And you can see all the channels in the channel list by choosing the Quick Find menu (White button) again.



Network/ Red Button

By pressing Red button, you can search the channels by network.



CAS/ Green Button

By pressing Green button, you can search the channels by CAS.

OPERATION



Sort Yellow Button

By pressing Yellow button, you can sort the channels as follows.

- ♦ A to Z : List up alphabetically.
- ♦ Satellite : List up by the Satellite list.
- ♦ Network : List up by the Network name.
- ♦ CAS : List up by scrambled channels and free channels.
- ♦ Lock : List up by un-locked and locked channels.



Edit Blue Button

By pressing Blue button, you can edit the channels properly as follows

- ♦ Lock Channel : Select the channels you want to lock.
- ♦ Delete Channel : Select the channels you want to delete.
- ♦ Skip Channel : Select the channels you want to skip.
- ♦ Move Channel : Make the channel move to the position you want to place
- ♦ Rename Channel : Change the channel name by using alphabetic buttons.
- ♦ Add FAV : List up the channels on the favorite list as Movie, Music, Sports, Drama, Kids, News, TV 1, TV 2.
- ♦ Move FAV : Make the channel move on the favorite list.
- ♦ Rename FAV : You can rename of favorite group.

5



In order to make the favorite list, while you are watching any channel,

- ◆ press OK button and then channel name and small window will be displayed
- ◆ select Edit mode by pressing Blue button and small menu displayed.
- ◆ select Add FAV and then choose one of favorite category among Movie, Music, Sports, Drama, Kids, News, TV1 and TV2.
- ◆ put the channels to the selected favorite category.

In order to bring up the favorite channels, while you are watching any channel,

- ◆ press FAV button and then small window for favorite category will be displayed
- ◆ select the category you want and already selected channels will be displayed
- ◆ choose a channel which you want to watch
You can change the channel in the selected favorite category.

In order to bring up the all the channels, while you are watching the favorite channel,

- ◆ press FAV button and channel list in the selected favorite category will be displayed
- ◆ select Quick Find by pressing White button and all the channels will be displayed.

6



This receiver has the function to show the several channels on the screen at the same time.

- ◆ press Fn button to get multi pictures on the screen. You can select the multi picture screen from 4 / 9 / 13 / 16 pictures.
- ◆ press OK button and then channel name and small window will be displayed

OPERATION

7 EPG (Electronic Program Guide)



You can check the information of the current channels by using EGP button if the channel has the EPG information such as story, time table, etc.

- Current / Next : By pressing Red button, you can see the current or next program schedule.
- Extended : By pressing Green button, you can see the detailed information as the program story the program's starting / ending time and etc, if the channel has the EPG information.

8 DIRECT BUTTONS

CH UP / DW(Channel Up / Down)

You can change channels.



VOL UP / DW(Volume Up / Down)

You can increase or decrease the audio volume.

PG UP / PG DW(Page Up / Down)

You can move to next or previous page in the channel list.



MUTE

You can switch the sound On or Off.

OPERATION

TV/DBS(TV / Receiver)

You can switch between TV and DBS (Receiver).



TV/RADIO

You can switch TV channel or Radio channel.

VCR/DBS

You can switch between VCR and DBS (Receiver) for selecting input source.

RECALL

You can go to the previous channel which you have just watched.



PAUSE

You can stop the video operation of receiver for a while.

OPERATION



ZOOM

To see the specific part widely, press ZOOM button. The small green line square box is designating that the part is magnified.

By pressing Page up/down buttons, you can control 4 level magnifications.



T/TEXT (Teletext)

If the channel has the Teletext information you can see Teletext Information.



TIMER

To turn off the receiver automatically, press the Timer button and choose one of the time selection.

OPERATION



AUDIO

You can get the desired audio language by pressing AUDIO button and selecting the language. And you can select stereo / left / right audio mode. Also, you can adjust audio offset by pressing AUDIO button twice.



OPERATION



SUB. T(Sub Title)

You can select the sub-title language.



INFO

You can get the brief information about the current channel such as channel number, channel name, current time and etc.



SAT/?

You can enter to the selected list of satellite and by selecting a satellite from the list, all the channels on the satellite will be displayed on the channel list.

SPECIFICATION

1 TUNER

Input Connector	1 x F type with Loop through
Output Connector	1 x F type 75 Ohm, to connect an analog receiver
Frequency Range	950MHz to 2150 MHz
Input Impedance	75 Ohm
Signal Level	-25dBm ~ -65dBm
LNB Power & Polarization	Vertical +13.5V ~ +14.5V
	Horizontal +17.5V ~ +18.5V
22kHz Tone	Frequency 22KHz $\pm$ 20%
	Amplitude 0.6p-p $\pm$ 0.2Vp-p
Demodulation	QPSK
Input Symbol Rate	2-42Msps
FEC Decoder	Convolutional Code Rate
	1/2,2/3,3/4,5/6 and 7/8 with Constraint
	Length K=7

2 A/V & DATA IN / OUT

S-video Output	North American model only
RCA Output	CVBS, L, R Output(Yellow, White, Red Jack)with Volume Control
S/PDIF Output	RCA Output Black(Cinch) or Toslink Optical
Video Output	Y/Pb/Pr Output(Green, Blue, Red Jack) RCA
Date Interface	RS-232, Bit Rate:115200 baud Connector: 9-Pin D-Sub Male type

SPECIFICATION

3 MEMORY

Flash Memory	2 Mbytes
SDRAM	16 Mbytes

4 MPEG Transport Stream A/V Decoding

Transport Stream	MPEG-2 ISO/IEC 13818
	Transport Stream Specification
Profile & Level	MPEG-2 MP@ML
Input Data Rate	15Mbit/s Max
Video Resolution	720 x 480(NTSC)
Audio Decoding	MPEG-1 Audio Layer 1,2
Audio Mode	Stereo, Dual Channel, Joint Stereo, Mono
Sampling Rate	44.1 and 48KHz

5 RF-MODULATOR

RF-Connect	75 Ohm, IECI 169-2, Male/Female
Frequency	54MHz to 890MHz
Output Channel	CH3/4 for North America
TV Standard	NTSC
Audio Output	Mono with Volume Fuse
Preset Channel	CH 4(or TBD), Software changeable by Menu screen