DIGITAL SATELLITE RECEIVER OPERATION MANUAL

DVB
Digital Video
Broadcasting

(((**Dish TV**™

DVB-S6800PLUS

DEAR CONSUMER
GREAT APPRECIATION FOR PURCHASING OUR PRODUCT
TO ENSURE THE BEST PERFORMANCE AND THE HIGHEST SAFETY, PLEASE
READ THE FOLLOWING EXPLANATION CAREFULLY
PLEASE READ THIS MANUAL WITH SUFFICIENT CAREFULNESS AND
PATIENCE PRECEDE THE CONNECTION AND INSTALLATION

CONTENT

SAFETY INSTRUCTION

- **Please read the following instructions carefully**
- Do not overload the following wall outlets, extension cords or integral convenience receptacles as this can result in a risk of fire or an electrical shock
- Never allow liquids, sprays or other material to be exposed with the inside of the **STB**
- Unplug the **STB** from the wall outlet before cleaning and use the soft cloth to clean the exterior of the STB
- The LNB cable must be earthed to the system that earthing for the satellite antenna
- The parameter of using power source should be squared with which indicating on its rear panel, otherwise, the machine will work improperly and even be ruined
- To maintain the suitable antenna installation position, the proper antenna installation angle, the adequate antenna earthing, the normal antenna anti-interference measure; Keep the earthing of the outdoor antenna separating with the indoor equipment's
- Do not place the **STB** where it is exposed to sunlight directly or near a heater
- Never stack other electronic equipment on top of the **STB**
- Place the **STB** indoor properly to prevent lightening, raining and direct sunlight
- The location where connecting with the connector plug of this machine should be served as the disconnect device, and should be maintained on the state of power-supplying always
- Protect the power line from being walked on or being squeezed particularly on plugs, convenience receptacles (jack), and the spot where they exit from the apparatus
- Unplug this apparatus during lightning storms or when unused for long periods
- Refer all servicing to qualified service personnel. Service is required when the machine has been damaged in any case, such as power-supply cord or plug is damaged, liquid has been dropped into or objects have fallen into the interior, the machine has been exposed to rain or moisture, does not perform malfunctioning, or has been dropped on the ground, or other situations abnormally etc
- Warning: This unit should only be maintained by the authorized and the regular trained technician; Opening the cover or other attempts by the user to service this unit can lead serious injury or person-death from electrical shock, and can increase the possibility of risk of fire
- The naked flame sources, such as the lighting candles, shouldn't be placed on the apparatus
- Do not use any attachment that are not recommended as these may cause hazards or damage the equipment
- Note: All the OSD and illustrations in this manual may be somewhat different from the actual situation Please take the actual digital receiver as the standard

This symbol indicates "dangerous voltage" inside the product that present a risk of electric shock or personal injury

This symbol indicates important instructions accompanying the product

CAUTION

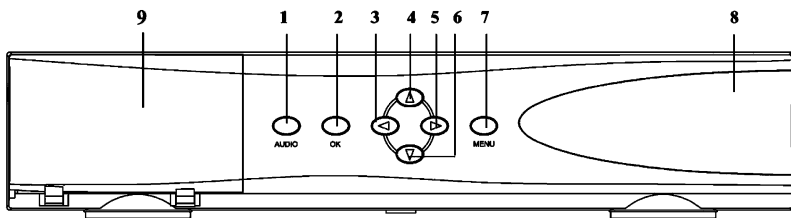RISK OF ELECTRIC SHOCK
DO NOT OPEN

TO REDUCE THE RISK OF ELECTRIC SHOCK
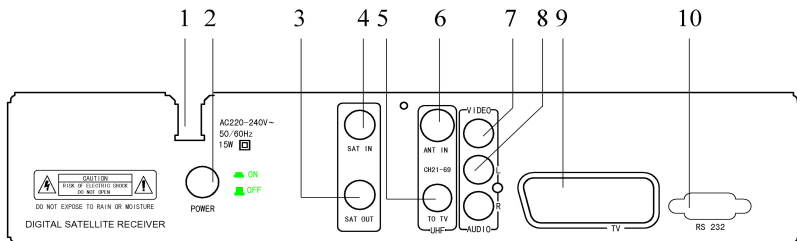DO NOT REMOVE COVER （OR BACK）
NO USER SERVICEABLE PARTS INSIDS
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL

FRONT PANEL

1. audio channel selection
2. operation confirmation/ channel listing
3.5. volume adjustment/ cursor movement
4.6. channel changement/ cursor movement
7. menu entry/ exit
8. LED displaying board/ status indicator/ remote sensor
9. CARD SLOT

REAR PANEL

1. plughole, power cord
2. power switch
3. terminal, satellite signal output
4. terminal, satellite signal input. to link with the terminal comes from the satellite antenna
5. terminal, RF signal output. to link with a TV set without the video component
6. terminal, RF signal input
7. terminal, video signal output
8. interface, audio signal output
9. interface, TV Scart
10. interface, serial data. to exchange data with the outer

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REMOTE CONTROLLER KEYS

It's recommended to operate each function of the **STB** using the button on the remote. Please read this section to lend itself to advance your understanding of the function to the **STB**

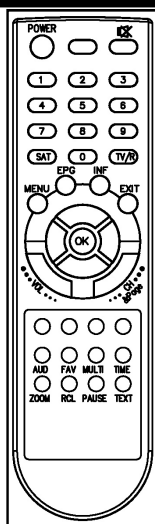|	
🔇	Non-menu: to mute the audio output
POWER	To instruct the unit to enter the standby mode
FAV	Non-menu: to reveal the favorite channel in the Favorite-n (if existing)
SAT	Non-menu: to reveal the stored satellite list
◄/►	Menu mode: to select or adjust the parameter Non-menu: volume adjustment decrease/ increase
▼/▲	Menu mode: to move cursor downwards / upwards Non-menu: to turn over the channel backwards / forwards
EXIT	Non-menu: to return to the program-enjoying status
MENU	To enter the **Main Menu** interface or return to the previous menu
Number 0-9	Non-menu: to choose the channel
INF	Non-menu: to reveal the dialog box **Program Information**
ZOOM	Non-menu: punch the key to appear one rectangle, use ◄/►, ▲/▼, **OK** key to amplify the selecting area and repress the key to recover to the normal status
EPG	Non-menu: to show the channel's EPG data sending from the service provider
RCL	Non-menu: to switch the channel between the present and the last
TIME	

AUD	Non-menu: to select the audio channel
MULTI	Non-menu: to enter the multi-scene surveying status
OK	Non-menu: to show the stored channel list, menu mode: to confirm the operation
PAUSE	Non-menu: to instruct the scene between the active and the inactive (only on the TV status is effective)
TEXT	Non-menu: to enter the status of graphics context (optional)
	The key bwteen [POWER] and [MUTE]. Non-menu: to switch video style

PRECAUTIONS ABOUT BATTERIES

Improper use of batteries may cause corrosion or fluid leakage. Please observe the following instructions for the safe use of batteries

1. Do not mistake the polarities of batteries
2. Never leave dead batteries in the remote control
3. Remove batteries from the remote controller it is not going to be used for a certain time
4. Do not attempt to disassemble, short-circuit, heat, recharge or throw the batteries into the fire source
5. Do not use new batteries and old one together, or which is different type
6. Wipe away any electrolyte fluid inside the remote controller, and insert new batteries

PREPARATION OF REMOTE CONTROLLER

Load the batteries to the groove of the remote controller
and then enable you to operate the native
1. Open the lid
2. Load the batteries (AAA type) and attend whether
   the anode and cathode of battery are corresponding
   to the polarity indicated on the remote controller
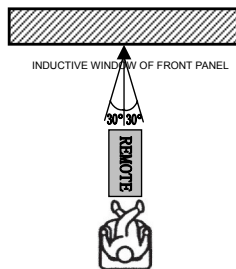3. Close the lid

OPERATION SCOPE OF THE REMOTE CONTROLLER

Make the controller toward the inductive window of native
and then press the keys
■ Distance: about seven meters in front of the
  inductive window
■ Angle: about 30 degree right or left refer to the
  frontispiece of the native's front panel

INDUCTIVE WINDOW OF FRONT PANEL

30° 30°

REMOTE

USEFUL PROMPTING

■ To prolong the useful life of this machine, the interval of the continuous switch action must be above one
  minute
■ The parameter of the using power source should be accordance with which indicating on the rear panel,
  otherwise the machine will work improperly and even be ruined
■ When the picture that the unexpected non-respondency happening, please turn on the machine again
■ To maintain the suitable antenna installation position, the proper antenna installation angle, the adequate
  antenna earthing, the normal antenna anti-interference measure. Keep the earthing of the outdoor
  antenna separating with the indoor equipment's

SYSTEM CONNECTION

- Connect the AUDIO, VIDEO or other terminals of this machine with the corresponding terminals of the TV set.
- Adjust the direction of the antenna according to the antenna signal level displaying on the screen.
- Connect the F terminal to both ends of the cable, one end to the terminal of LNB of the using satellite antenna and the other end to inputting terminal "**SAT IN**" of this unit.
- Connect the F terminal to both ends of the cable; connect one end to the terminal "**SAT OUT**" of this machine and the other end to the satellite signal-inputting terminal of the other machine to realize the loop connection function.
- The serial data interface is used to upgrade the software version or to enrich the data bank via the manner of box-to-box or pc-to-box (optional).
- Please make sure that the F terminals are connected fastened.
- Do not bundle the antenna cable with the power line together in case affecting the reception.
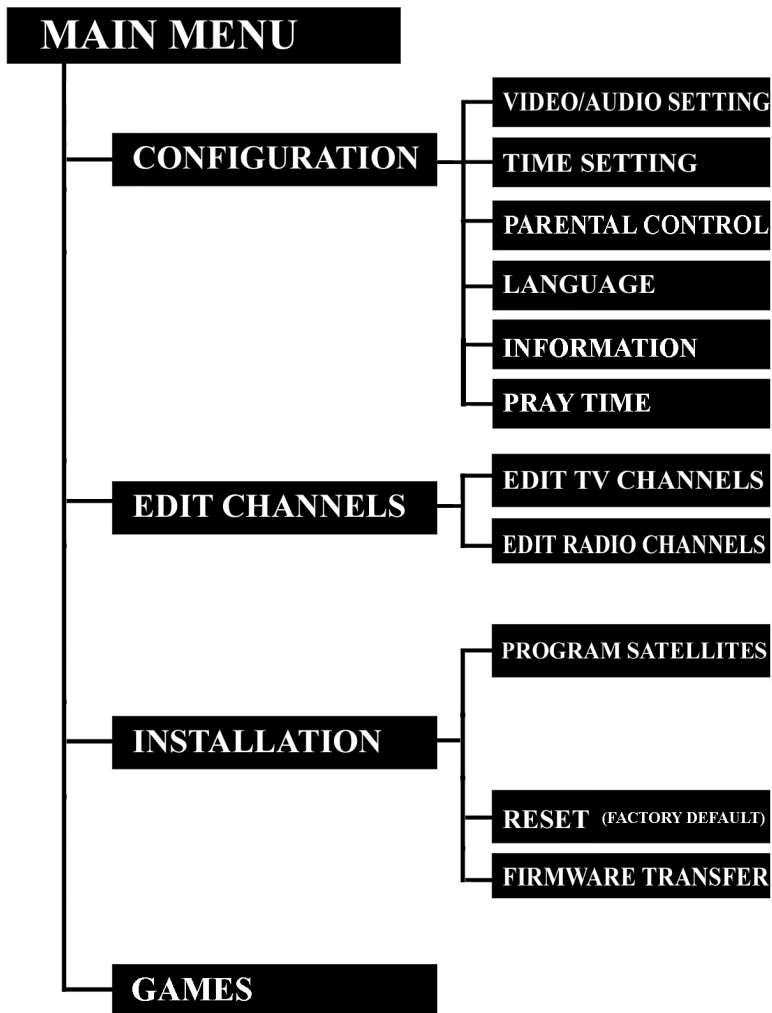
POWER ON

- Plug the machine and punch its power switch to keep the "**ON**" status, the unit enters its normal mode
- Press the **standby** key on the remote controller to the remote receiving window of the machine , which enters its standby mode. Re-press the key the unit recovers to its normal
- If the satellite signal has been locked, the lock indicator lights up

MAIN MENU

CONFIGURATION

- VIDEO/AUDIO SETTING
- TIME SETTING
- PARENTAL CONTROL
- LANGUAGE
- INFORMATION
- PRAY TIME

EDIT CHANNELS

- EDIT TV CHANNELS
- EDIT RADIO CHANNELS

INSTALLATION

- PROGRAM SATELLITES
- RESET (FACTORY DEFAULT)
- FIRMWARE TRANSFER
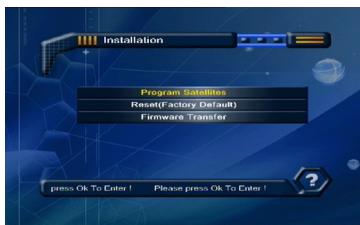
GAMES

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INSTALLATION

On the **Main Menu**, drive the cursor onto the third instruction

Press the **OK** key to enter its submenu.

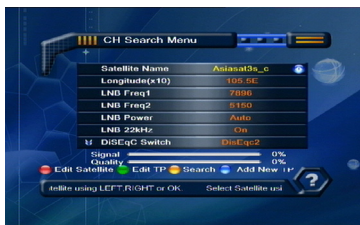Drive the cursor onto the first instruction; press the **OK** key to enter its submenu

Put the cursor onto the first instruction **Satellite Name**, press the </> key to alternate the satellite or, press the **OK** key to show the table including all the preinstalled satellite on the right side, punch the ▲▼, </> key to highlight one item, punch the **OK** key to opt

Put the cursor onto the second instruction **Longitude(x10)**, input the digit by pressing the **digit-keys** directly to modify

Respectively, highlight the instructions of **LNB Freq1** and **LNB Freq2**, punch the ▲▼, </> key to alternate the parameter or, punch the **digit-keys** to input the value directly. The accurate values of **LNB Freq1** and **LNB Freq2** refer to the values indicating on the LNB of the using antenna

E.g, if the parameter value of Local Oscillation (i.e., L.O.) on the LNB is indicating as 5.15GHz, then [LNB Freq1] and [LNB Freq2] should be both set as 5150; if the parameter value of Local Oscillation (i.e., L.O.) on the LNB is indicating as 11.3GHz, then [LNB Freq1] and [LNB Freq2] should be both set as 11300.

Highlight the instruction **LNB Power**, punch the </> key to switch the state, normally, keep the state of it on the **Auto**, however,

- On the picture that the single machine is being used, keep the status of the **LNB Power** on the **Auto**
- On the other picture that the loop connection is

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being used, keep the status of the **LNB Power** of the machine that connecting with the using satellite on the **Auto**; while keep the status of the **LNB Power** of the other machine on the **Off**

Highlight the instruction **Positioner**, punch the </> key to switch the state between **Disabled** and **DiSEqC 1.2**, when the **DiSEqC 1.2** is being chosen, punch the **OK** key on it to deploy the interface **Postioner**：press the ▲▼, </> key to choose the item

Satellite Name: press the </> key to opt one satellite, correspondingly, the position indicator indicates its largely location

Transponder: press the </> key to alter the transponder belonging to the chosen satellite

Move: East, to instruct the dish eastwards; West, to to instruct the dish westwards; Stop, to pause the motion
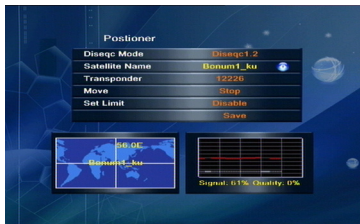
Save: to save the position or situation where you've set the standard of motion is both the values of Signal and Qu -ality show their maximum

Return to the interface **CH Search Menu**

Highlight the instruction **Program Type**, punch the </> key to switch the mode between **Free-To-Air** (free, without charge) and **ALL**
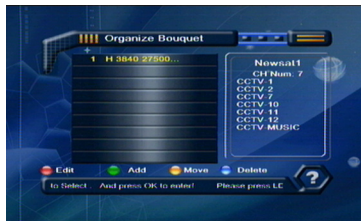
Highlight the instruction **Transponder**, punch the </> key to alternate the item of parameter, to pitch on one the item that enable both the indicating tapes (Signal and Quality) show their maximum

On the interface **CH Search Menu**, punch the **red** key to reveal the interface: punch the **red** key to reveal the soft-keyboard (usage: punch the ▲▼, </> key to move the cursor, punch the **OK** key to input the character and instead the **green** key to eliminate, punch the **EXIT** key to exit without modification, punch the **y**ellow key to exit with modification) to define the name of satellite；Punch the **green** key to generate satellite (the default name is **New SAT**)；Punch the **blue** key to remove
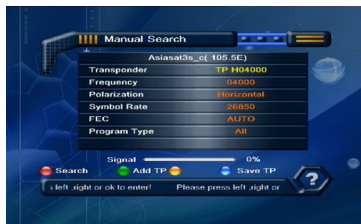
Punch the **yellow** key to alter satellite order

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Punch the **green** key to
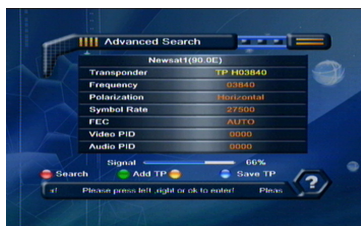reveal the interface **Organize Bouquet**:

Punch the **red** key to enter the interface **Manual
Search**: respectively, highlight the instruction
Frequency or **Symbol Rate**, punch the **digit-keys** to
modify the value of parameter. In turn, highlight the
instruction **Polarization**, **FEC** or **Program Type**,
punch the </> key to adjust the state; Punch the **blue**
key to save the modification; Punch the **green** key to
add the new one transponder. Return to the interface
Organize Bouquet

Punch the **green** key to add the new one transponder;
punch the **yellow** key to move the highlighting
transponder; punch the **blue** key
and the ▲▼ key to remove. Return the interface to the
CH Search Menu

Put the cursor onto the instruction **Search**, punch the </>
key to choose one the instruction: **Blind Scan**, i.e. the
blind-scanning or the mindless-scanning, to commence
the action by punching the **OK** key on the **Blind Scan**
status (whichever the satellite you are using, as long as
the satellite is effective, the channel (service) in the
satellite can be scanned and stored); **Network**, to start
the action by punching the **OK** key on the **Network**
status; **Transponder**, to scan the channel (service) on
the present transponder by punching the **OK** key on the
Transponder status; **Advanced**, to scan the channel
by the more particular manner, enter the interface
Advanced Search by punching the **OK** key on the
Advanced status (details: respectively, highlight the
instruction **Polarization** or **FEC**, punch the </> key to
choose the item; in turn, highlight the instruction
Frequency, **Symbol Rate**, **Video PID**, **Audio PID)**,
punch the **OK** key to begin the scanning. The AUTO
is to scan the satellite automaticly based on the preset.
After scanning, the system will inquire you whether to
save the scanned channel, punch the **OK** key to save.
Return the interface to the **Installation**

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On the menu **Installation**, light the fifth instruction, punch the **OK** key to enter: the manner of transmission has two, we recommend you using the second one. precondition: the master machine and the slave machine, connecting them with the serial cable on each serial data interface of the both machines well.

light the instruction **Transfer Program+Data** of the master machine, punch the **OK** key to unfold the interface as right side, the master machine will detect the slave one and complete the process of transference automatically.

Note: never shutting the power source in the process of transmission

Drive the cursor onto the second instruction; punch the **OK** key to reveal the tape of inquiry, punch the **EXIT** key to exit without modification, punch the **OK** key to initialize the machine to its primary
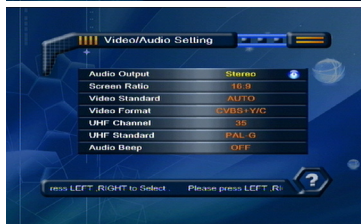
Return the interface to the **Main Menu**

CONFIGURATION

Highlight the first instruction **Configuration**, and punch the **OK** key to enter its submenu

Drive the cursor onto the first instruction **Video/Audio Setting**; punch the **OK** key to enter

Highlight the first instruction **Audio Output**, punch the </> key to switch the channels of audio among **Stereo**, **Right**, **Left** and **Mono** (The different channel of audio perhaps owns the diverse service, the result subject to the service-backing)

Highlight the second instruction **Screen Ratio**, punch the </> key to switch the style of video between 16:9 and 4:3, which one should be chosen according to your actual ratio of the TV's screen

Highlight the third instruction **Video Standard**, punch the </> key to switch the system of the output video among PAL, NTSC and AUTO to fit your TV

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Highlight the fourth instruction **Video Format**, punch the </> key to alternate the format of video between CVBS+Y/C and CVBS+RGB to fit your TV set. CVBS=Composite Video Broadcast Signal

Highlight the seventh instruction **Audio Beep**, punch the </> key to switch the state between ON and OFF. When the state is set on ON, when punching key of the remote or of the local, the machine will buzz

Return the interface to the **Configuration**

Enter the submenu of the second instruction **Time Setting**,

Highlight the first instruction **Display**, punch the </> key to choose the item among Off, 12H and 24H to decide whether the information tape of time displaying on the top right corner of the screen

Highlight the second instruction **GMT Offset**, punch the </> key to adjust the time zone that accordance with your inhabiting location

Highlight the third instruction **Summer Time**, punch the </> key to choose the item to decide whether to use the daylight saving time or not

Highlight the sixth instruction **Power Off Time**, punch the </> key to choose the item between **Disable** and **00:00**, if the **00:00** instruction is being adopted, punch the **digit-keys** to input the executive time to instruct the machine when to get into the standby mode

Highlight the fifth instruction **Power On Time**, punch the </> key to choose the item between **Disable** and **00:00**, if the **00:00** instruction is being adopted, punch the **digit-keys** to input the executive time to instruct the machine when to get into the power-on mode.

Return the interface to the **Configuration**

Highlight the fourth instruction **Language,** punch the **OK** key to enter its submenu **Language**: punch the ▲▼, </> key to choose the items. Hereinto, what the type of **Main Audio** is being adopted, which, owns the strongest priority in broadcasting; as for the **Subtitle**, of course, which type is being chosen, it will be displayed in it.

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Expressly, the latter three instructions need the support coming from the service-provider. Now, back to the interface **Configuration**

Highlight **Information**, punch the

OK key to unfold the dialog box including Model, HW Ver and SW Ver etc.

Highlight the third instruction; punch the **OK** key to enter its submenu **Parental Control**

Unless you've inputted the code correctly, the cursor can move onto the second instruction automatically, punch the </> key to switch state between On and Off; Highlight the fourth instruction New Password, after inputting one code as the new one, the cursor will move onto the fifth instruction automatically; after inputting the code to verify, the new code is empowered. Now, return the interface to the **Main Menu**
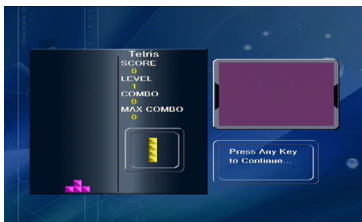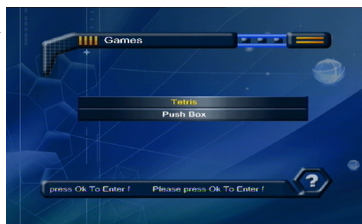
GAMES

This machine offers two kinds of game: Tetris and Push Box. Return the interface to the **Main Menu**

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EDIT CHANNELS

Highlight the second instruction; punch the **OK** key to enter its submenu **Edit Channels**.
Enter the submenu of **Edit TV Channels**
Press SAT key, to opt one satellite's channel

Highlight one channel; press the **red** key to reveal the window soft-keyboard to define the name of channel. As for the usage of the soft-keyboard, refer the former relative segment

Highlight one channel; punch the **green** key to add one icon "lock" on the hind of the channel and repress the key to cancel the icon. When you move the cursor on the channel with this icon, the dialog box **PIN Code** appearing to demand the entry of code, unless you pass the access, the locked channel can be watched
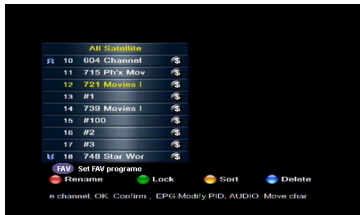
Highlight one the channel; punch the **yellow** key to reveal the dialog box to classify the channel. punch the ▲▼ key to choose the category of sorting, punch the **OK** key to sort by which

Highlight one channel; punch the **blue** key to remove the channel

Press the **FAV** key to reveal the table including **FAV-1-8**, punch the **FAV** key repeatedly to alternate the FAV kind, punch the ▲▼ key to choose the channel and punch the **OK** key to add the highlighting channel into the present kind of FAV, meanwhile,press the </> key

to make the color of channel in the table of FAV-1-8 from yellow to white, now, punch the **OK** key to eliminate

On the program-enjoying status, punch the **FAV** key to

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reveal the interface **Favorite-n**, punch the key
once more to show the window including **All Satellite**,
Favorite-1-8, punch the ▲▼, </> key and the **OK**
key to determine. E.g. on this menu, the **Favorite-1**
is being chosen, then the submenu of **Edit TV Cha
-nnels** only show the channel in the kind of **Favorite-1**

Enter the submenu of **Edit Radio Channels**.
In terms of the operation, refer to the
above-mentioned.

SPECIFICATION

Tuner	
Input Frequency	950-2,150 MHz
Signal Level	-25dBm to -65dBm (75Ω)
LNB Control	DiSEqC1.0/1.2 22KHz
LNB Power & Polarization	13V/18V (Max. 400mA)
Channel Decode	
Demodulation	QPSK (SCPC, MCPC)
Input Symbol Rate	2-40MSPS
Video	
Profile Level	MPEG-II MP@ ML
Output System	NTSC/ PAL
Output Terminal	RCA/ TV Scart
Output Level	1Vp-p (75Ω) (RCA)
Audio	
Audio Decoding	MPEG-II layer I & II
Sampling Rate	32/44.1/ 48KHz
Freq response	20Hz-20KHz
Output Level	Adjustable (600Ω unbalance)
Working condition	
Power supply voltage	220-240V 50/60Hz
Power consumption	About 15W
Temperature	0–40℃
Humidity	10% - 90%
Weight	Approx. 2.2Kg

DiSEqC (Digital Satellite Equipment Control)
A standard through which it is possible to let a DiSEqC compatible receiver send a signal via the RF cable to a switching device to switch between different LNBs or dishes. The DiSEqC uses the 22KHz signal to control the switching device.

EPG (Electronic Programme Guide)
A electronic program guide (EPG) that comes with the broadcast to a particular satellite, note that every station fills the EPG differently or not, so differences in the EPG are not necessarily receiver errors.

Frequency
The number of cycles or events per one second, which is expressed in the unit of Hertz

FTA (Free-To-Air)
An unscrambled broadcast, which you can view without additional payments to a service provider.

Hi-Fi (High Fidelity)
The characteristics of audio devices that can perform all the audio frequencies to the human, whose range is from 16Hz to 20KHz, uniformly from the low frequency to high frequency. Sometimes it is used to indicate high quality of an audio device such as CD player, etc.

LNB (Low Noise Block)
An electronic unit mounted on the satellite antenna. It receives the signal reflected by the dish and converts them to signal that can be used by this product.

OSD (On Screen Display)
The function that displays the information about the monitor that the user needs or has to know on the screen directly. OSD information probably includes brightness, contrast, tuning, RGB adjustment, screen size, positions or other instructions else, etc.

OTA (Over The Air)
Means that software downloads where the manufacturer reserves the right to decide when and where to release them through satellite system.

RF (Radio Frequency)
Frequencies occupied by radio waves of the total frequency range of electromagnetic waves.

Transponder
In communications, a device that receives and retransmits signals. In satellite communications the received signals are amplified and retransmitted at a different frequency

FEC
Error correction forwards.

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PACKING LIST

ITEMS	Qty.	REMARK
DIGITAL SATELLITE RECEIVER	1	
INSTRUCTION MANUAL	1	
REMOTE CONTROL	1	
AV CABLE	1	
CELL	2	

NOTE: Any modification will not be noticed in advance. Our company reserves all the rights of the explanation to the difference