

# blade

## BM5000s

### HD SATELLITE RECEIVER



## Safety Precaution

### CAUTION:



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to "dangerous voltage" and to prevent from a risk of electric shock.



**Warning:**  
To reduce the risk of electric shock, don't open the cabinet. Refer servicing to qualified personnel only.



The exclamation point within an equilateral triangle is intended to alert the user to important operating and maintenance (servicing).

**WARNING:** Do not use this STB where contact with / or immersion in water is a possibility. Do not use near flower vases, washbowls, kitchen sinks, laundry tubs, swimming pools, etc.

**WARNING:** Do not put near naked flame; otherwise there is the danger of fire.

**WARNING:** The unit should be connected to a power supply only of the type described in the operating instructions or as marked on the unit. If you are not sure of the type of power supply (for example, 120 or 230 V) to your home, consult your local dealer or local power company.

**WARNING:** This product installs diodes. Do not open the cabinet or touch any parts in the inner mechanism. Consult your local dealer for technical service if the opening is required.

**Note:** To ensure proper use of this product, please read this User manual carefully and retain for further reference.

**Unit Cleaning:** After the unit power is turned off, you can clean the cabinet, panel and remote control with a soft cloth lightly moistened with a mild detergent solution.

**Attachments:** Never add any attachments and/or equipment without the manufacturer consent; as such additions may result in the risk of fire, electric shock, or other personal injury.

**Locating:** Slots and openings in the cabinet are provided for ventilation to protect it from overheating. Do not block these openings or allow them to be blocked by placing the STB on a bed, sofa, or other similar surface, nor should it be placed over a radiator or heat register.

**Power-Cord Protection:** Place the power-supply cord out of the way, where it will not be walked on. Please pay special attention to cords at plugs, convenience receptacles, and the point where they exit from the unit.

**Object and Liquid Entry:** Never put objects of any kind into this STB through openings, as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill any liquid on the STB.

**Note:** Moisture may be formed on internal items in the following conditions:

- When the unit is suddenly moved from cold environment or an air-condition room to a warm place.
- Immediately after a heater has been turned on.
- In a steamy or very humid room.

If the moisture forms inside the unit, it may not operate properly. To correct this problem, turn on the power and wait about two hours for the moisture to evaporate.

**Parts Replacement:** When the unit parts need to be replaced, user should make sure the service technician use the replacement parts specified by the manufacturer or having the same characteristics as the original part. Unauthorized replacement may put the unit in the risk of fire, electric shock or other hazards.

**Safety Check:** After all the maintenances and repairs are done, user is required to request the service technician to conduct the overall safety check to ensure the machine is in the proper condition.

## Environment protection



### ATTENTION !

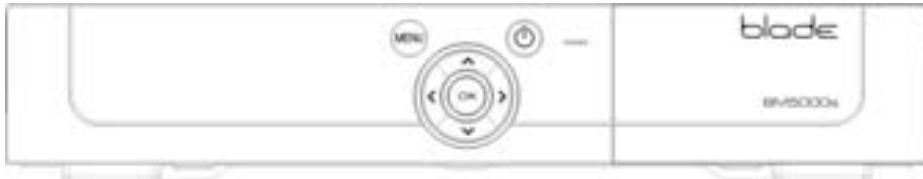
Your product is marked with this symbol. It means that the used electrical and electronic products should not be mixed with general household waste. There is a separate collection system for these products.

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## 1. Front Panel



1. **POWER KEY:** To switch the receiver power on/stand by
2. **MENU KEY:** To open the main menu
3. **CH +/-:** To select the next or previous saved channel or to move cursor up/down in the menu
4. **VOL +/-:** To increase/decrease the volume level or move cursor left/right in the menu
5. **OK KEY:** Enter the selected menu or channel
6. **VFD (Vacuum Florescent Display) :** Indicate the channel information and the current status
7. **Remote Sensor:** Detects infrared signal from remote control unit
8. **POWER Indicator:** Lights up when the receiver is powered on
9. **CA Slot:** Insert a CA Card (Supports Single CA interface-ISO7816)
10. **USB Port:** USB 2.0, connect to USB hard disk or flash disk

## 2. Rear Panel



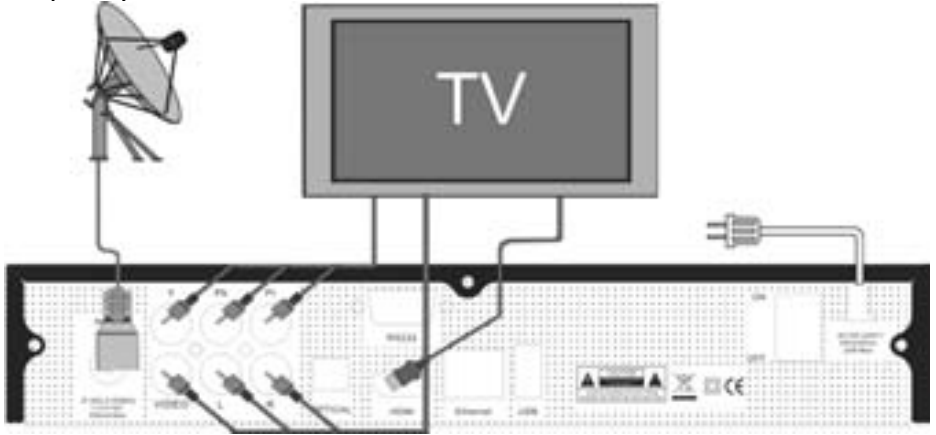
Please refer to the diagram above for all possible connections of your receiver  
Do not connect the unit to the mains socket until all other connections have been made and checked.  
Your configuration may vary depending on model.

1. **POWER ON/OFF SWITCH:** To switch ON/OFF the receiver power supply.
2. **INPUT (LNB IN 13/18V 500mA MAX):** Connect the coaxial cable from LNB of your Dish.
3. **HDMI:** Audio and Video output socket for TV set with HDMI Input Jack only.
4. **RS232 SERIAL PORT:** To transfer the data to another STB or PC by RS-232 cable
5. **YPbPr:** Analog component video output
6. **VIDEO:** Used to connect any external video.
7. **AUDIO R/L:** Used to connect any external audio amp or system.
8. **OPTICAL:** Digital Audio Output via Optical SPDIF Port
9. **Ethernet PORT:** Plug-in Ethernet Board(RJ45 Port)
10. **USB Port:** USB 2.0, connect to USB hard disk or flash disk

### 3. Connecting Your System

There are four ways to connect the receiver to your existing TV system. We recommend using one of the following cases for the best result:

1. If you have a high definition television set, you should use a HDMI cable for best results. Plug one end of the cable into the HDMI socket on the receiver and the other end into the matching socket on your television. In this case, you do not have to make audio connections because the HDMI connector can output stereo audio or Dolby digital audio.
2. Connect one end of RCA cable to the RCA jack on the back of the receiver and the other end to an RCA jack on your TV.



Finally connect the coaxial cable from the LNB to the Input on the receiver.

#### **TV with Motorized System (DiSEqC 1.2 / USALS)**

Connect one end of your coaxial cable to the LNB IN connector on the receiver and the other end to the Receiver connector on the DiSEqC 1.2 / USALS motor.

Connect the coaxial cable from the LNB to the LNB connector on the DiSEqC 1.2 / USALS motor.

All our receivers are designed to be DiSEqC 1.0 / DiSEqC 1.2 /USALS compatible.

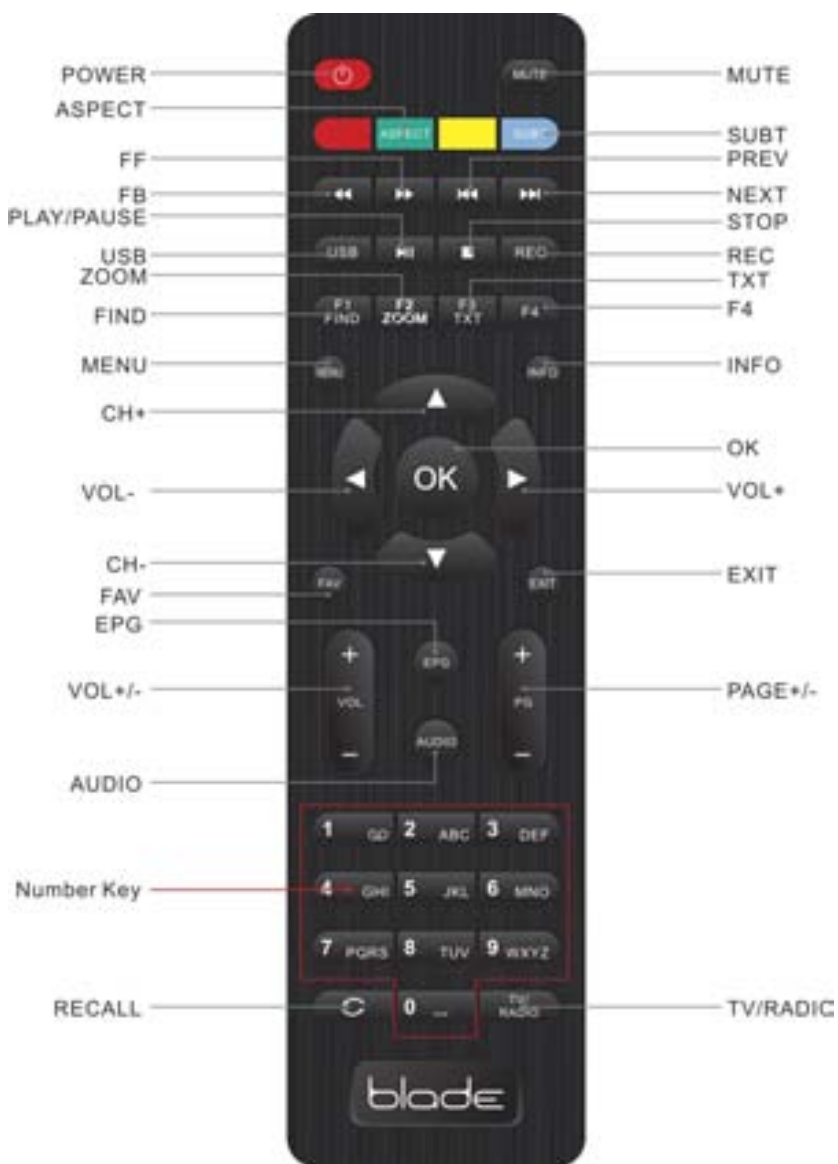
This allows multiple antennas to be connected to the receiver at the same time.

If you have two or more fixed antennas or LNBs, we recommend you use a DiSEqC 1.0 switch. Connect the coaxial cable from the first LNB to the LNB 1 or LNB A input connector of the DiSEqC switch. Do the same for any other LNBs that you have.

Connect one end of a coaxial cable to the RF output connector of the DiSEqC switch.

Connect the other end to Input on the receiver.

## 4. Remote Controller





1. **POWER:** To switch ON/OFF the receiver power supply.
2. **MUTE:** To mute or restore the sound
3. **TV/RADIO:** To switch between TV and RADIO.
4. **NUMBER KEYPAD:** To select TV/Radio channel and enter programming parameters by the numeric keys and to input the character by the alphabetical keys.
5. **RECALL:** To return to the previously viewed channel.
6. **RED, GREEN, YELLOW, BLUE KEYS:** Multi-function keys in menu mode.
7. **MENU:** Display the main menu or return to the previous one.
8. **EXIT:** To exit from the menu or pop-up window or cancel the present running functions.
9. **PAGE +/-:** To move up the cursor to the next or previous page in the menu or channel list.
10. **SUB:** To show subtitle.
11. **TXT:** To open teletext page on the channel which has teletext information.
12. **FIND:** Enter into a menu to search the channel you want.
13. **ZOOM:** To magnify a certain area on the images
14. **OK:** To carry out the selection and enter into chosen menu.
15. **CH Up/Dn:** To turn the next or previous channel and to move the highlight bar for selecting options to upward or downward on the menu.
16. **VOL +/-:** To adjusts the sound volume up or down and to move the highlight bar for selecting options to right or left on the menu.
17. **FAV:** The shortcut key to favorite menu.
18. **INFO:** The shortcut key to the information menu.
19. **EPG:** The shortcut key to the EPG menu.
20. **AUDIO:** Selects the audio mode among Left / Right / Stereo / Mono
21. **USB:** The shortcut key to the USB menu.
22. **FB/FF:** To fast back or fast forward.
23. **PLAY/PAUSE:** to pause and play the file when you press play / pause key.
24. **STOP:** To stop the current play.
25. **STEP:** Jump forward by chapter.
26. **RECORD:** To make recording of play.
27. **NEXT:** To change into the next play.
28. **PREV:** To change into the previous play.

## 5. Basic Operations

### 5.1 Turn on STB

First, press the Power to turn on the unit.

When the STB is first used, there will play the first channel from the default Channel List. If the STB is not first used, STB will play the same channel as last time before turning off.

### 5.2 Power

1. Press [Power] Key can enter the Standby state
2. In Standby state, press [Power] Key again can call back the unit and go on play the previous channel
3. User can also disconnect the device's main power to end the Standby state.

### 5.3 Channel Up/Channel Down

In full screen, press [CH Up/Dn] to change channel.

### 5.4 Volume Up/Volume Down-

In full screen, press [Vol +/-] to adjust volume.

### 5.5 Number

In full screen, use number key on the Remote Control Unit to change channel.

### 5.6 Mute

1. Press [MUTE] key to mute the sound and the screen will show up mute OSD.
2. Press [MUTE] key again to restore sound.

### 5.7 Pause

By pressing [Pause] key once, the picture and sound will be paused and then, by pressing [PAUSE] key again, you can continue to watch.

### 5.8 Recall

Press [RECALL] key will directly switch to the previous channel that you played before current channel.

### 5.9 Favorite

1. In full screen, press [FAV] key, it will display a window of "Favorite Group" on the left of the screen.
2. In the window of "Favorite", you can move highlight by press [Ch Up/Dn] key and press [OK] key to select favorite group.
3. You also can press [VOL +/-] keys to select different "Favorite Group".
4. Press [Exit] key to exit the current window.

## 5.10 Audio



1. In full screen, press [AUDIO] key to open the "Audio" window on the screen.
2. You can modify the audio track by pressing [Ch Up/Dn] key and modify the audio mode by pressing [VOL +/-] key among Stereo LL/ Stereo LR/ Stereo RR

## 5.11 Information



In full screen, press [INFO] key can open information screen, in the window shows the parameters of current channel.

## 5.12 EPG

The STB has an Electronic Program Guide (EPG) to help you navigate channels through all the possible viewing options. The EPG supplies information such as channel listings and starting and ending times for all available channels.



1. Press [EPG] key to display EPG screen.
2. In EPG menu, press [Exit] to close EPG screen.

### 5.13 TV/RADIO

In TV mode, pressing [TV/RADIO] key can switch to Radio mode. In Radio mode, press [TV/RADIO] key to switch to TV mode.

### 5.14 Channel List

In full screen, press [OK] key can enter "Channel List".



1. Press [Ch Up/Dn] key to change satellite.
2. Press [VOL+/-] key to move the highlight between satellite list or channel list.
3. Press [Ch Up/Dn] key to change the highlighted channel and press [OK] key to play.
4. Press [Page +/-] key to page up and page down.
5. Press [Exit] key to exit the channel list.

### 5.15 Page Up/Page Down

In Channel list, press [Page +/-] key to move up the cursor to the next or previous page in the menu or channel list.

### 5.16 Teletext



1. Press [TTX] key in full screen, you can open teletext page on the channel which has teletext information.
2. If the channel has no teletext information, it will show "Teletext No Data" on the screen.

### 5.17 Subtitle



Press [SUBT] key in full screen, you can switch subtitle on or off.

### 5.18 Find



1. Pressing [FIND] key in full screen will open the "Find" window. Press [Vol +/-] [Ch Up/Dn] keys to move highlight and press [OK] key to input the selected symbol or letter into the dialogue. The search results display on the right screen.
2. You can press [Red] key to delete the character, press [Green] key to change character page, press [Yellow] key to move cursor left ,press [Blue] key to move cursor right.
3. Pressing [EXIT] key will close "Find" window.

## 5.19 PIP (picture in picture)

1. In full screen, when you press F4 key to start PIP function, the screen will display TwinView like below a sub picture screen will appear on the main screen view. And if you press the F4 key again, the sub screen will disappear.



2. In the PIP mode, press F2 key to zoom the picture with small window, the image will enlarge rotate as x2, x4, x6.  
3. In the PIP mode, press F3 key to move the position of the Small window on the screen.



Press one time to display at the bottom right corner



Press two times to display at the bottom left corner



Press three times to display at the top left corner

4. In the PIP mode, press Ch Up/Dn key to change the channel with full screen of main picture
5. In the PIP mode, press PG+/- key to change the channel with small window
6. In the PIP mode, press OK key to display all channel list with small window on the screen.  
The full screen of main picture channel will display on the OSD (On Screen Display) background.

## 5.20 Zoom



1. The [ZOOM] key allows you to magnify a certain area on the images
2. Press [ZOOM] key again, the image will enlarge rotate as x2, x4, x8
3. In "x2 ~ x8" image, using [Vol +/-] [Ch Up/Dn] keys to move the image center area you want to see.
4. In zoom mode, press [Exit] to close "Zoom" window.

## 5.21 Menu

Press [MENU] key to open the menu, exit the current menu to previous menu or close the window.

## 5.22 Exit

Press [EXIT] key to exit the current menu to previous menu or close the window.

## 5.23 OK



Pressing [OK] key in full screen can open the "OK LIST" window





Press Red Button to display different SORT Groups, you can list the channels by 4 kinds of sorting ways.



Press Green Button to display the fast find channel menu

## 6. Channel

When pressing the [MENU] key on the remote, five icons will appear on your TV screen where you can configure all your settings: Installation, Channel, Multimedia, Setup and others.

By Moving the highlight on the Channel, you can use [Ch Up/Dn] key to select TV Channel Editor, Radio channel editor, EPG and Favorite.

## TV Channel Editor



1. RENAME [Red Key]: To edit the channel name
2. LOCK [Green Key]: To lock the channels which you want to lock.
  - (1) It will display a dialogue to ask you to input password. The default password is "0000". If you input the correct password you can see a "lock mark" in the right side of the highlighted channel.
  - (2) After save and exit menu, STB will request you to input the password while you want to watch the locked channel.
3. DEL [Yellow Key]: To delete the channel
4. SKIP [Blue Key]: By pressing blue key, you can select the channels you want to skip.
5. FAV [FAV Key]: To select the channel which you want to add to the Favorite List
6. Satellite [F1 Key]: Press F1 key to switch the channel list with the different satellite
7. MOVE [F2 Key]: To move the channel to the position you want to place.
8. SORT [F3 Key]: By pressing F3 key, you can list the channels by 4 kinds of sorting ways.
  - (1) Alphabet (A-Z): To list alphabetically.
  - (2) Transponder: To list by transponder
  - (3) CAS-FTA: To sort channel by scrambled and free types.
  - (4) Default: To sort channel by default channel list from Satellite list

## Radio Channel Editor



Basically, the operation of "Radio List" is the same as "TV List".

## EPG

By selecting "EPG", you will see EPG information



Select one channel and press [Vol+/-] to choose a date

Press Yellow key to enter Reservation menu, then press OK key to set the channel with record schedule



## Favorite

In the "Channel" Menu, you can edit your own favorite channels.



## 7. Installation

When the focus is on Installation, it will display sub items like Satellite Find, Automatic SAT Scan, Manual Scan, SAT/TP Manager, Satellite Find.



### Satellite Setting

You can move highlight by press [Ch Up/Dn] key, When the highlight is on the satellite setting, press OK key to go to satellite setting menu.



When the focus is on the satellite list, you can press OK key to setting which satellite will be selected with LNB.

You can press Red key to set SAT/TP Manager.

Press Green key to start channel search.

Press Blue key to update transponder from network.

1. Satellite: In this item, press [Vol+/-] key to switch Satellites and press [OK] key to enter satellite list, for you to select directly
2. LNB Freq: In this item, press [Vol+/-] key to select the parameter. Option is 5150,5750,9750,10600,10750,11300,11475,17250,18250,19250,20250,21200,5150/5750, 9750/10600, 9750/107500 and MDU-1,MDU-2,MDU-3,MDU-4
3. DiSeqC1.0/1.1: You can use [Vol+/-] key to switch options. There are several options for your selection:  
DiSeqC1.0: NONE,1/4,2/4,3/4,4/4,ToneburstA, ToneburstB  
DiSeqC1.1: NONE,1/16,2/16,...,16/16
4. 22K: You can use [Vol+/-] key to switch "ON / OFF". When this item is switched to "ON", receiver will receive TV and radio input signal from 22K port. If the item is switched to "OFF", the receiver will receive all signals from OK port

**Notice!**

**When you choose LNB type "\*\*\*\*\*/\*\*\*\*\*", you can not modify 22K.**

5. Polarity: In "Polarity" item, [Vol+/-] key to switch "OFF, 18V, 13V, 13/18V" functions
6. Motor: You can use [Vol+/-] key to set Antenna type by Motor
7. Unicable: You can use [Vol+/-] key to set unicable enable or none

**Motor Setting:**



When selecting Motor Type: USALS



If you select "DiSEqC1.2", "Local Longitude / Local Latitude" is not available. It will show the screen as to your left, here

When the highlight on the mode item, you can use [Volume Up/ Volume Down] key to set Motor function

### Automatic SAT Scan

You can find sub-menus for Satellite, Transponder, Scan Type, Service Type, Scan mode. Scan select, Signal Quality Bar, etc. Press Green key to start channel search.



1. Satellite: Select the satellite that you want to search.
2. Transponder: Select the desired TP (transponder).
3. Scan Type: All, FTA
4. Service Type: All, TV, Radio
5. Scan mode: ALL TP, One TP, One TP+NIT, ALL TP+NIT, Blind
6. Scan select: Single Sat, All Sat
7. Signal Strength / Quality Bar: Shows the strength and quality of the signal from the LNB

### Manual Scan

You can find sub-menus for Satellite, Transponder, Polarity, Signal Quality Bar, etc. and press Green key to start channel search by current parameters



1. Satellite: Select the satellite that you want to search.
2. Frequency: Select the desired TP (transponder) Frequency
3. Symbol Rate: Select the desired TP (transponder) Symbol Rate
4. Polarity: You can choose the polarity of satellite signal amongst H (horizontal) / V (vertical)
5. Scan Type: All, FTA
6. Service Type: All, TV, Radio
7. Signal Strength / Quality Bar: Shows the strength and quality of signal from LNB.

## SAT/TP Manager

You can select the satellite(s) that you want to search. If you select the satellite(s), the selected satellite(s) on the list is marked with a tick.



You can use the color keys for the following purpose.

1. Red key: To edit satellite name and longitude.
2. Green key: To start channel search by this satellite
3. Yellow key: To add satellite.
4. Blue key: To delete the satellite which you don't want.

## Satellite Find

By selecting "Satellite Find" menu



1. You can use [Vol+/-] key to switch Satellite and Transponder
2. You can set Beep tone ON or OFF

## 8. Multimedia

In the Menu, When you move the highlight onto the Multimedia, it will show up six items: Movie, Music, Photo, My Recorder, PVR Setting and USB Safe Remove.

### Notice!

***If no USB Memory Device (like HDD or USB Memory Stick) is inserted to the receiver this menu is not available and there will be a prompt "No USB device is connected".***



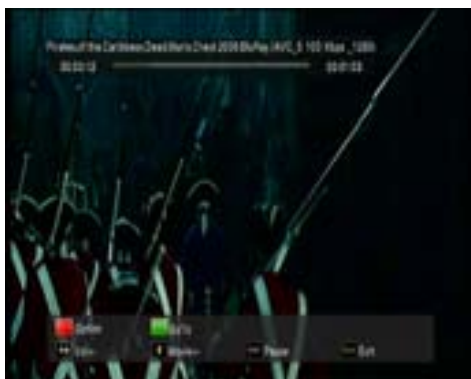
### Movie


If you want to enjoy Movie contents or Recorded files that are stored on your USB device, select each item in the Multimedia menu. The screen shows up the supported Movie or Recorded files stored in your USB device.





1. Press Red key to select Video play option, supports Random, Repeat play mode ,also you can change Text Encode, Font Size, Font Color, BG Color and Position.
2. Press Green key to set display mode by folder and thumbnail
3. Press Yellow key to set display ratio.
4. Move the highlight on the movie file, press OK key to start playing.



1. You can do fast forward, fast backward and seek with  trick keys on remote controller.
2. FB (fast backward) and FF (fast forward) keys support x2, x4, x8, x16, x32
3. PLAY / PAUSE keys: to pause and play the file when you press play / pause key.
4. STOP key: To stop the playing file.
5. UP key: To move to the previous file.
6. Down key: To move to the next file.

## Music

By selecting "Music" item, you can enter the "Music" menu.

In "Music" menu, you can choose the Music file (MP3 file) and enjoy the music.



1. Press Red button to display the option menu, you can set up the play mode.
2. Press Green button to set the file list display with folder mode or thumbnail mode.
3. Press Yellow button to set file list display with different screen ratio.
4. When the highlight is on the music file, press OK key to start playing this file.

## Photo

If you want to view Photo files that are stored in your USB device, select Photo item in the Multimedia icon. The screen shows up the supported photo files stored in your USB device.



## My Recorder

Entering this menu item will display recorded files.  
Press Red button to rename the selected file.  
Press Green button to get information about the USB.



## PVR Setting

Press OK Key when the highlight is on the "PVR Setting" item of the "Multimedia" Icon on the screen. It will display Record Option. You can set Recording Period and other Parameters.  
When the highlight is on the default recording period, you can press Left/Right key to set recording period.



## USB Safe Remove

In this item you can remove the USB device safely. Press OK Key to choose which USB to remove, then Press OK key and there will be a prompt, use [Vol+/-] to select YES/NO.



## 9. Setup

By pressing MENU and selecting "Setup" icon, you can press the [CH UP/Dn] key to select different items: System Info, Language, OSD setting, Time, TV Setup, Reservation, Parental Control, Update & Backup, Factory Setting, Network Setting, Internet Ping. The last two items are unavailable when not connected to the Internet.



### System Info

When you enter the "System Info" menu, you can get information such as Model ID, Date and Description.



## Language

When you enter the "Language" menu, you can select OSD Language, Audio Language, Subtitle Language. To turn off all subtitles, select OFF in the Subtitle Language section.



1. OSD Language: To select menu languages, the selections of languages includes: English, French, German, Russian, Arabic, Portuguese, Turkish, Spanish, Polish, Italian, etc.
2. Audio Language: Some channels have more than one audio language for choosing; by this function you can set the first audio for this channel. If the playing channel has the same audio as the "First Audio" you set, the system will play this audio language by default. If the channel hasn't a suitable audio language, then the system will compare automatically with the second audio language.
3. Subtitle Language: You can set the subtitle language, or turn it off completely.

## OSD Setting

When you enter the OSD Setting Menu, you can set Banner Display timeout and OSD Transparency.



Banner display timeout: supports always, 1s, 3s, 5s, 10s, 30s and always on.

OSD Transparency: There are 8 levels of transparency that are selectable.

## Time

When you enter the Time Menu, you can see: Summer Time, Sleep Time, Set Time, Set Date, Time Zone and GMT usage.



**Sleep Time:** When you set a sleep timer and the time arrives, the system will enter into standby automatically. It will switch the mode between Sleep Timer Off /15/30/45/60/90/120 minutes.

**GMT Usage:** Select On or Off.

1. If you select GMT Off, you can adjust the current Date/Hour/Minute.
2. If you select GMT On, you can adjust the "Time Zone": To switch "Time Zone" value and the range are "-12:00 ~ +12:00" increase each half hour progressively.

## TV setup

When you enter into "TV System" menu, you can set TV Saturation, TV Contrast, TV Brightness, Auto Switch Off, Standby Mode, Digital Audio output, TV Resolution, Video Output, TV Mode and TV Format.



1. TV Saturation: Press [Vol+/-] KEY to set TV saturation
2. TV Contrast: Press [Vol+/-] KEY to set TV contrast
3. TV Brightness: Press [Vol+/-] KEY to set TV brightness
4. Auto Switch Off: OFF/3 Hours/4 Hours/ 5 Hours
5. Standby Mode: Fake/Real
6. Digital audio output: To set the both SPDIF and HDMI's digital audio output mode. It has options: LPCM and RAW
7. TV resolution: You can switch video resolution circularly by the sequence 576i <-> 576P <-> 720p\_50Hz <-> 1080i\_50Hz <-> AUTO <-> 1080p\_50Hz.
8. Video Output: To set video output mode RCA (CVBS) / SCART(CVBS)/ SCART(RGB)/ YCbCr(YUV)/ HDMI

9. TV Mode: you can switch the TV output mode by NTSC /Auto/ PAL

10. TV Format: You can switch the screen aspect ratio mode. It provides options of: 4:3 LB/4:3 PS/16:9 LB/16:9 FIT

### Reservation

In this item you can Edit Event, including Channel, Satellite, Date, Time, Mode, etc.



### Parental control



1. Change Password: To change password, you can input the new password in this item by using number keys directly. After you filled in 4 digital numbers, the highlight will auto skip to confirm Password and ask you to input the new password again. Default password is "0000".
2. Lock Type: No Block/Total Block/05/06/.../18
3. Channel Lock: In order to enter into the locked channels, you should input the password. The locked channels mark will show a popup message on the screen and ask for the password.
4. Menu Lock: In order to enter into the menu, you should input your Password.

## Update & Backup

After choosing "Setup" icon and selecting "Update & Backup" item, Press OK key to enter into the menu. Make sure the USB is connected.



1. Upgrade by network: You can download new software to this receiver by network
2. OTA: When selecting this item, there will be a sub-menu to set up parameters.



3. Image backup: Store the software backup to USB memory device (supports user database/ Back All/ Application 1)
4. Image upgrade: You can download new software to the receiver by external USB memory device  
When the cursor on the Image Upgrade, press OK key to start the image upgrade.  
Move the cursor on the Upgrade Menu, the upgrade file will display on the left menu, you must select the correct file (the format like \*SSU), when the cursor on the upgrade file, press OK key to start USB upgrade.





When you want to backup the software, you can make sure the USB memory device is connected and build the new file first. The software will be backed up to this new file.

### Factory Setting



When you press [OK] key in the "Factory Setting" item:

1. It will show a warning message "Notice: This will delete all your data. Do you agree?".
2. If you select "Yes" option, all revised parameters of the receiver will reset to default value. Please be careful using this function.
3. In step 1, select "No" or press [Exit] key to withdraw from this item without deleting all your data.

### Network Setting

When entering "Network Setting" menu, you will see and choose the Network Configuration and status. You can select Wired network or wireless network mode, when the cursor is on the network Config and press Vol+/- key to switch.



When the network status displays connect, you can select DHCP or input the IP address manually. The default setting for network is DHCP and it will be able to automatically obtain network settings. If you select DHCP off, you can input IP Address, Subnet Mask, Gateway, DNS Preferred, DNS Alternate and Mac Address manually. Select Apply to save the changed figures.

For Wireless Network, move the highlight on the Wireless Network and press OK, You can search and choose available Wireless Network to connect. NOTE: A wifi dongle is required for Wireless operation.



### Internet PING

When entering "Internet PING" menu, you will see a screen like below



Set Ping Mode option for 5 times or forever.

Set Ping time out by 1~10sec.

Set Ping Target by String and Number.

When the highlight is on the Ping Run, press OK key to run PING function.

## 10. Others

When the cursor is on the Others icon, available items will show up: Youtube, Weather, Game, Calculator and Calendar, etc. The Youtube, Weather is not available unless the network is connected.



### Youtube

When the cursor is on the Youtube item, press OK key to enter into the Youtube menu. Please make sure the network is connected.



Press Blue key to switch video file and Group list.

Press Yellow key to display option menu.



## Weather

When you enter into the Weather menu, please make sure the network is connected.





Press Yellow key to set the city information.

## Game

When you enter "Game" menu, you will see several games including Tetris, Boxman and Gobang.



## Calculate



## Calendar



# 11.Specifications

<b>Tuner</b>	
Demodulator Mode	QPSK,8PSK,16APSK,32APSK
Frequency Range	950~2150MHz
RF Input Connector	F-Female
<b>Video</b>	
Video Decoding	ISO/IEC 11172-2 MPEG1, ISO/IEC 13818-2 MPEG2 MP@ML and MP@HL, ISO/IEC 14496 MPEG4 Compliant Support SP@L3 to ASP@L5, ISO/IEC 14496-10 AVC high profile @ level 4.1 main profile @ level 4.1
Video Output	CVBS(video format @ 576i or 480p) HDMI 1.3(video format default @ Auto), support HDCP
Video Resolution	1080p/i 720p 576i 480p
Aspect Ratio	4:3 16:9
<b>Audio</b>	
Audio Decoding	MPEGI layer1/2, MPEGII Layer II,
Audio mode	Mono/Stereo/Left/Right
Subtitle	DVB Subtitle and Teletext Subtitle
Teletext	EBU Teletext
<b>PVR Function</b>	
Record	Instant Record and Timer Record
	EPG Timer Record
	Descrambled and Scrambled of Programme Record
	Support Total TS Stream Record Including EPG, Subtitle, Teletext
Timeshift	Support Timeshift on/off Setting in Menu
PVR Operation	Play/Pause/Stop/Step
	Fast Forward/Fast Backward 2/4/8/16/32
	Support GOTO function
Format Supported	Support NTFS & FAT32
PVR Manager	Support File Rename
<b>Front Panel</b>	
VFD(Vacuum Florescent Display)	Indicates the channel information and the current status
Buttons	Power,Menu,CH+,CH-,Vol+,Vol-,OK
LED	Red
Remote Sensor	Detect infrared signal from remote control unit
USB port	USB 2.0 Port for Multimedia Player, PVR and Software Upgrade/Backup
CA Slot	Support Single CA Interface (ISO7816)
<b>Rear Panel</b>	
Tuner(Input)	Receives the Signal from Satellite Antenna
YPbPr	Analog component video Output
AV	Analog Audio L/R and Video Output
USB Port	USB 2.0 Port for Multimedia Player, PVR and Software Upgrade/Backup
RS232 Port	Serial Port for Software Upgrade
Ethernet Port	Plug-in Ethernet Board (RJ45 port)
HDMI	High-Definition Multimedia Interface V1.3
SPDIF Port	Digital Audio Output via Optical SPDIF Ports
Switch	To switch ON/OFF the receiver power supply
<b>Accessories</b>	
RCU	IR RC3 / Other on Request (38kHz)NEC
Batteries	2 x AAA Type

User Manual	English
HDMI Cable	1
AV Cable	1
<b>Power</b>	
AC Input Range	100~240V AC 50Hz
Power Consumption	Max.30W
<b>Physical Specification</b>	
Operating Temperature	0~40℃
Storage Temperature	-10~65℃
Size(WxDxH)in mm	260x205x45mm



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