



# ***USER'S MANUAL***

**VSMAXHD**  
DIGITAL SATELLITE RECEIVER



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*\* To enhance the product, functions are subject to change without notice.*

## Important Safety Instruction

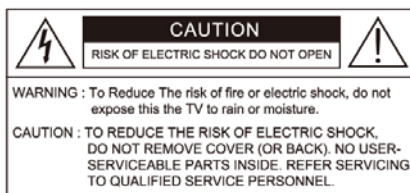
- 1) Read all of these instructions.
- 2) Save these instructions for later use.
- 3) Follow all warnings and instructions marked on the product.
- 4) Follow all instructions.
- 5) Do not use the apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, Consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Do not place the apparatus on an unstable cart, stand or table. The apparatus may fall, causing serious damage to the apparatus.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been moisture, does not operate normally, or has been dropped.
- 15) The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.



### Shock Hazard Marking and Associated Graphical Symbols



### Explanation of Safety Related Symbols



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance(servicing) instructions in the literature accompanying the appliance.

WARNING : To Reduce The risk of fire or electric shock, do not expose this the apparatus to rain or moisture.

The main socket-outlet for connecting mains plug shall be accessibly close to this apparatus

## Declaration of Conformity

**FCC Rule : TESTED TO COMPLY WITH FCC PART 15, CLASS B  
OPERATING ENVIRONMENT : FOR HOME OR OFFICE USE.**

### FCC COMPLIANCE STATEMENT :

This device complies with part 15 of the FCC rules. Operation is subject to the following 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 tested and found to comply with the limits of a Class B digital device, pursuant to part 15 of the FCC Rules. These limit are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, user 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 different from that to which the receiver is connected.
4. Consult the dealer or an experience Radio / TV technician for help.

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

## SAFETY PRECAUTIONS

### 1. SAFETY PRECAUTIONS

*This receiver has been manufactured to satisfy the international safety standards.  
Please read the following recommended safety precautions carefully.*

**MAINS SUPPLY** : AC 95~240V 50/60Hz

**LOCATION** : Place the receiver indoor. Place receiver away from potential hazards such as houseplants, lightning, rain, and direct sunlight.

**OVERLOADING** : Do not overload wall outlets, extension cords or adapters as this can result in fire or electrical shock.

**LIQUIDS** : Keep liquids away from the receiver.

**CLEANING** : Before cleaning the receiver, disconnect it from the wall socket. Use a cloth lightly dampened with water (no solvents) to clean the exterior.

**VENTILATION** : Do not block the receiver ventilation holes. Ensure that free airflow is maintained around the receiver. Never set the receiver on soft furnishings or carpets. Do not use or store the receiver where it is exposed to direct sunlight, or near heater. Never stack other electronic equipment on top of the receiver. Place the receiver at least 30mm from the wall.

**ATTACHMENTS** : Do not use any attachment that is not recommended by the manufacturer, as it may cause a hazard or damage the equipment.

**SERVICING** : Do not attempt to service this product yourself. Any attempt to do so will void the warranty. Refer all servicing to a qualified service agent.

**LIGHTNING** : If the receiver is installed in an area subject to intense lightning activity, protection devices for the receivers main connector and modem telephone line are essential.

The individual manufacturer's instruction for safeguarding other equipment, such as TV set, Hi-Fi, etc., connected to the receiver, must also be followed during lightning storms.

#### 1.1. ACCESSORIES

*Check the following accessories when you open the box.*



User's manual



RCU



Batteries



Serial cable



DiSEqC S/W



RCA cable

The device, packing material, and batteries should be disposed of properly.

Please obtain appropriate information about regulations in your community, and dispose of all in accordance with regulations at the separate locations provided.

## 2. GENERAL FEATURES

- Fully MPEG-2 & DVB-S2 Compliant
- Input frequency 950 ~ 2150 MHz
- Supports EPG, PIG
- Supports SCPC & MCPC from C/Ku-band
- 1 LNB Input Tuner with Loop Through IF Signal
- Tuner Symbol Rate: 1~45MS/s
- Fast booting & auto scan
- Quick channel changing
- Max. 4000 channels (TV & radio) programmable
- True color OSD & easy GUI
- A lot of OSD Language supported
- Radio channel background Display
- Favorite Channel List programmable
- Master PIN Code Function & Parental Lock Function
- 100-Steps Volume control
- Automatic Detection of Forward Error Correction
- Window based S/W Download Program Supported By RS232 Serial Port
- Set to Set Download (Main Program, Channel Data)
- 7 Keys on the Front Panel (Power On/Off, Channel Up/Down, Volume Up/Down, Menu, Ok)
- Various LNB Polarity Control
  - \* 22KHz Switching Control
- 3 RCA Output for Video, Audio L/R
- 3 RCA outputs for Component(Y, Pb, Pr)
- USB Host Interface
- S/W Upgrade Supported by USB Port
- 9Days EPG (Electronic Program Guide) Support
- S/PDIF Output for Digital Audio
- S-VIDEO Output
- Zoom Function
- Multi Picture
- USALS

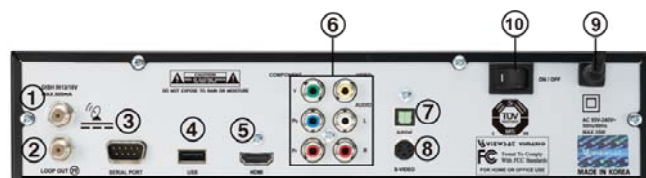
## 3. HARDWARE DESCRIPTION

### 3.1. FRONT PANEL



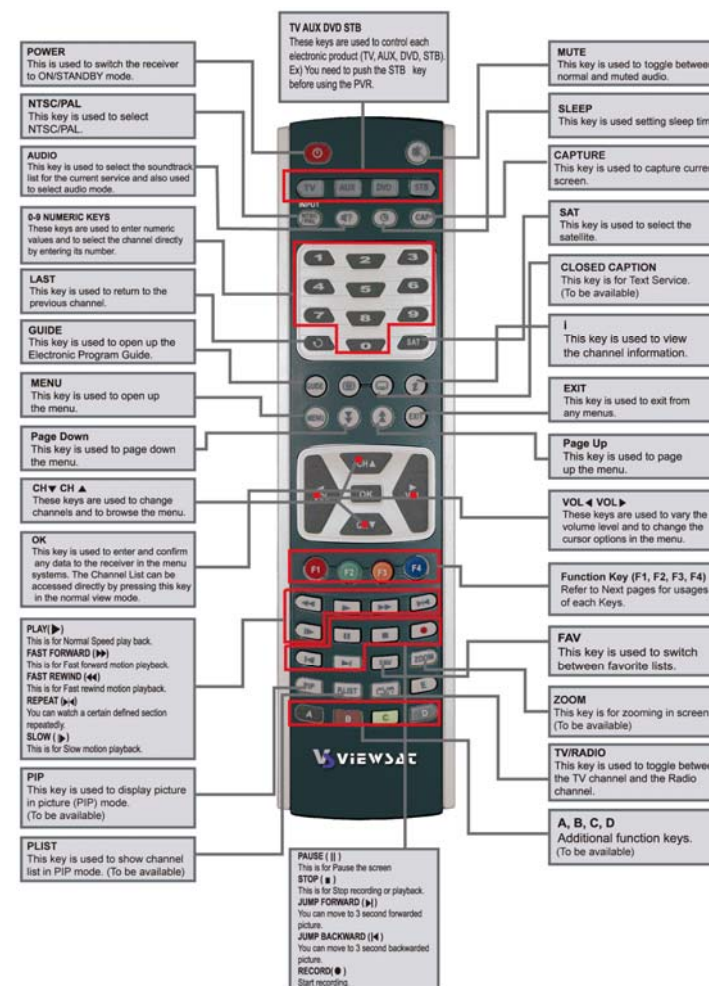
- 1) POWER:** This key is used to turn the receiver on and off (stand by).
- 2) CH :** These keys are used to change the channels.
- 3) VOL :** These keys are used to increase and decrease the volume level manually.
- 4) MENU :** This key is used to open up the menu.
- 5) OK :** This key is used to enter and confirm any data to the receiver in the menu systems.
- 6) INFRARED SENSOR :** This is to receive the IR commands from the RCU. Do not block the view of the sensor.
- 7) DISPLAY :** This display will show the current channel number(\* Channel name) . While the receiver is in standby mode, the display will show the current time.  
(\* available for VFD model only )
- 8) USB HOST PORT:** This is used to connect your USB Device to your receiver.  
(Either front side USB port or rear side must be selected in the menu.)

### 3.2. REAR PANEL



- 1) **LNB IN:** This port is to connect the coaxial cable from LNB of your Dish. The IF input is provided through this port and the input frequency range is 950~2150MHz. Also, the voltage switching 13V and 18V is passed through this port.
- 2) **IF OUT:** To enable the connection of an analog receiver, the receiver is provided with this port. Connect this port to LNB IN port of the other receiver via RF Cable.
- 3) **SERIAL PORT:** Connect your receiver to a computer with a serial cable. This port can be used for upgrading software.
- 4) **USB HOST PORT:** This is used to connect your USB Device to your receiver. (Either front side USB port or rear side must be selected in the menu.)
- 5) **HDMI:** To connect HDMI input of TV or PC monitor.
- 6) **VIDEO, AUDIO R/L, COMPONENT(Y, Pb, Pr):** These RCA connectors are used to connect any external video and audio.
- 7) **S/PDIF DIGITAL OUTPUT:** This port is for the connection to the external Hi-Fi system which has an optical S/PDIF input interface (Option).
- 8) **S-VIDEO:** Connect to your TV with a S-Video cable.
- 9) **POWER INPUT:** This is the AC main power cord. The input AC volts range is 95V to 240V, 50Hz/60Hz supply.
- 10) **POWER SWITCH:** This is a switch to turn on and off the AC main power.

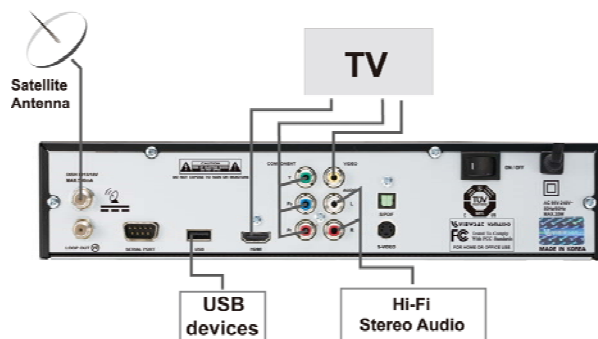
### 3.3. REMOTE CONTROL UNIT





## 4. HOW TO CONNECT YOUR RECEIVER

Please **DO NOT** plug in the main power supply cord until you complete all the connections.



### 4.1. LOCATION OF THE RECEIVER

Your receiver should be placed under proper ventilation. Do not place the unit in enclosed cabinets that will restrict the flow of air, resulting in overheating.

The location should be safeguarded from direct sunlight, excess moisture, rough handling or household pets.

Avoid stacking other electronic components on top of the receiver.

The location should be safely accessible by the cable.

### 4.2. CONNECTING TO THE ANTENNA

After installing your Antenna system, connect the coaxial cable from LNB of your antenna to "DISH IN" terminal marked at the rear of the receiver.

All cable connectors should be finger tightened; do not use any kind of wrench on cable over connectors.

The cable should be 75Ω impedance coaxial twisted at the end with an "F" type connector.

### 4.3. CONNECTING TO EXTERNAL DEVICES

#### 1) CONNECTING TO THE TV

After installing your antenna system, connect the coaxial cable.

To connect the receiver with your television, you can follow methods:

Through RF cable, RCA cable, COMPONENT cable and S-Video cable.

Connect the RF cable to the terminal marked "OUT TO TV" at the rear panel of the receiver and its other end to the TV RF input socket.

#### 2) CONNECTING EXTERNAL HI-FI AUDIO SYSTEM

To connect any external Audio Hi-Fi system, the receiver is provided with two RCA connectors at the back of the receiver, marked with "L" and "R" respectively to connect the left and right audio.

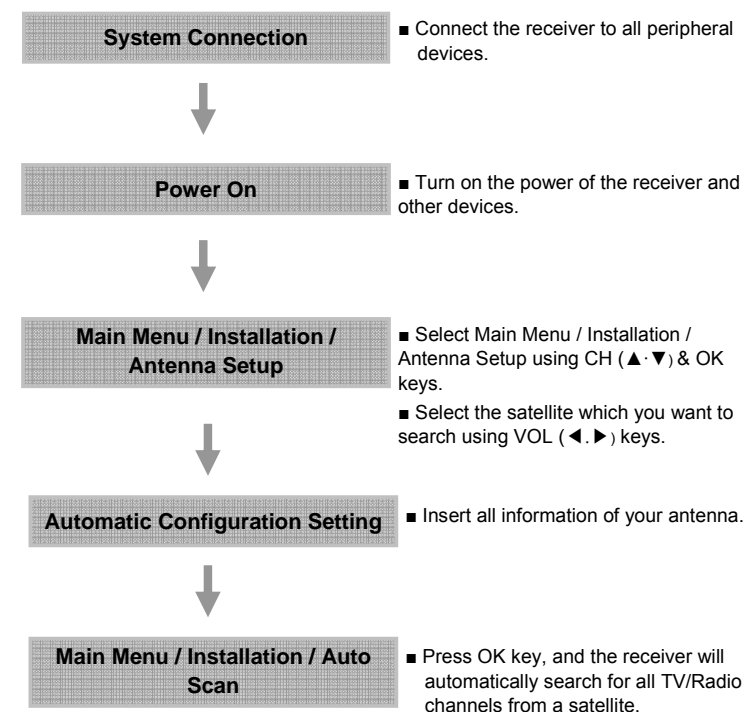
#### 3) CONNECTING TO THE OTHER SATELLITE RECEIVER

Connect the satellite antenna cable to the "DISH IN" socket on the receiver. With other connector, connect the "LOOP OUT" socket on the receiver to the "DISH IN" socket of the other receiver.

## 5. SYSTEM SET- UP

### 5.1. Automatic Channel Search

You can automatically detect and save all TV and radio channels as follows :



## 5. 2. Manual Channel Search for Transponder

*You can search and save all TV and radio channels of a transponder as follows :*

### Main Menu / Installation / Channel Scan

- Select Menu / Installation / Channel Scan.
- Select the satellite which you want to search.



### Antenna Configuration Setting

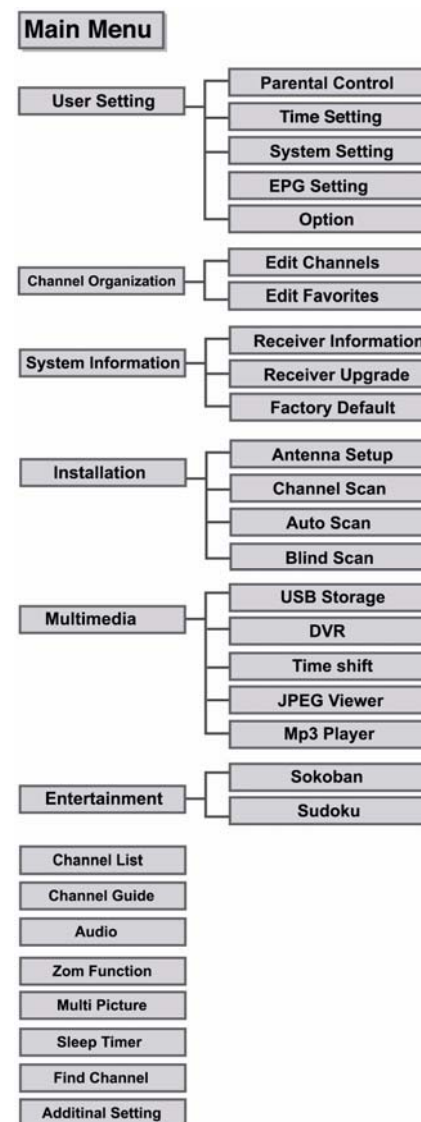
- Insert all information of your antenna.



### Manual Channel Search

- Select the transponder from the transponder list you want to search.  
If you cannot find it from the transponder list, insert all transponder information (i.e., Channel no, Frequency, and Bandwidth).
- Press the OK key, and the receiver will search for all channels of the selected transponder.

## 6. MENU STRUCTURE





## 7. MENU OPERATION

*The main menu is classified into several sub menus which will carry out the various operation individually.*

### MAIN MENU

After installing your dish system and receiver with appropriate connectors, plug in the AC main power and turn on the receiver.



Press the MENU key of the RCU. You will see the "Main Menu" on the TV screen as follow. Please note that the "Common Interface" menu will be displayed for the CI Model. You can move into the desired submenu Using the "left/right / up / down" keys (◀, ▶, ▲, ▼). Press "OK" key to confirm your selection. If the "Main Menu" is locked, note that you should enter the PIN code in order to move into the corresponding submenu in case of "Edit Channels" menu, "Edit

"Favorites" menu and "Installation" menu. The default factory PIN code is "0000". Press the "menu" key or "exit" key to return to previous menu.

### 1. USER SETTING

This menu helps you to set up System. Select "User Setting" menu in "Main Menu", and will be asked to enter your PIN Code.



#### 1. A. PARENTAL CONTROL

This function prevents children or unauthorized persons from watching programs. Also you can change PIN(Personal Identification Number) code. Select "Parental Control" menu in "User Setting" menu, and the following screen will be displayed.

#### 1.A.1 Receiver Lock

To lock receiver, select "Receiver Lock" in the "Parental Control" menu and change it to "On" mode using the "left/right" keys (◀, ▶).

#### 1.A.2 Menu Lock

To lock the Main Menu, select "Menu Lock" in the "Parental Control" menu and change it to "On" mode using the "left/right" keys (◀, ▶).

#### 1.A.3 Maturity Rate

You can set the maturity rate of the receiver. If program rate is higher than the receiver, PIN code window will appear.

#### 1.A.4 Change PIN Code

You can change your PIN code from factory default value "0000" as follows: Select "Change PIN Code" in the "Parental Control". Press "OK" key. Then you will be asked for a new PIN code. Once you enter a new PIN code, the receiver will ask you to enter it again. After you enter a new PIN code twice, the PIN code is changed permanently. If you forget the PIN code, you need to contact the distributor to reset the PIN.

### 1. B. TIME SETTING



You can change the time of your receiver and also switch on/off the timer function in this menu. Select "Time Setting" item in the "User Setting" menu and the following screen will be displayed.

<b>Time Mode</b>	: Select the time mode of your receiver. In Auto mode, your receiver will use the information from the satellite as time reference. In manual mode, you can set the time of your receiver manually.
<b>Time Adjustment</b>	: Set the time offset from the UTC (GMT). Useful in auto mode only.
<b>Current time</b>	: Set the current time manually. Useful in manual mode only.
<b>Summer Time</b>	: Enable or disable the Summer Time. Useful in auto mode only.
<b>On time</b>	: Set the time when the receiver will be automatically turned on
<b>Off time</b>	: Set the time when the receiver will be automatically turned off.
<b>Event time</b>	: You can set the additional timer.



### 1.C. SYSTEM SETTINGS

This menu helps you to Set up mode, language, and screen type Select "System Settings" menu in "User Setting".

<b>TV Screen Type</b>	: You can select your TV type
<b>Display Mode</b>	: You can select the display mode.
<b>Menu Transparency</b>	: You can select the transparency of the menu.
<b>Menu Language</b>	: You can select the menu language.
<b>Audio Language</b>	: You can select the audio language.
<b>Information timeout</b>	: You can select the timeout of the "Channel Information menu".
<b>USB Port</b>	: You can select USB port of the front or the rear.
<b>Audio Type</b>	: You can select the audio priority.

Press the "menu"key or "exit"key to return to previous menu.

### 1.D. EPG SETTING

This menu helps you to set the maximum time for EPG.

### 1.E. OPTION

This menu helps you to set the additional options.

<b>Sort By SID</b>	: If this is "on" , channel list will sort by service ID.
<b>Previous Channel</b>	: You can select the operating type of last key

<b>Main Menu Display Style</b>	: You can select the display style in main menu
<b>DVR Stop Key</b>	: If this is "off", the stop key will be operated like the pause key in DVR menu

## 2. CHANNEL ORGANIZATION

This menu helps you to edit the favorite Channel List and Channels. Select "Channel Organization" menu in "Main Menu", and the following Screen will be displayed.

### 2.A. EDIT CHANNELS



You can edit channels on various channel lists – channel lock, delete channel, move channel, edit the name of a channel, and sort the channel list. Select "Edit Channels" menu in "Channel Organization", and you will be asked to enter your PIN code. You can find the following "Edit Channels"screen by entering it.

#### 2. A.1. Channel Lock

Select the "LOCK"icon using the

left/right keys (◀, ▶). Select the channel that you want to lock or unlock from the channel list using the "up/down"keys (▲, ▼) and the "page up/down"keys (⬆, ⬇). Press the "OK"key to confirm your selection. Also, you can use the "🔒"key to select either TV channel list or Radio channel list. Once the channel is locked, every time you try to watch the program, you will be asked to enter PIN code. Press the "menu"key or "exit"key to return to previous menu.

#### 2. A.2 Delete Channel

Select the "DELETE"icon using the "left/right"keys(◀, ▶). Select the channel that you want to delete from the channel list using the "up/down"keys(▲, ▼) and the "page up/down" keys(⬆, ⬇). Press the "OK"key to confirm your selection. Also, you can use the "🗑️"key to select either TV channel list or Radio channel list. Press the "menu"key or "exit"key to return to previous menu.

#### 2. A.3 Move Channel

Select the "MOVE"icon using the "left/right"keys(◀, ▶). Select the channel that you want to move from the channel list using the "up/down"keys(▲, ▼) and the "page up/down" keys(⬆, ⬇). Press "OK"key to confirm your selection. Press "F2" key to move start. Move it to the position where you want to place it using the "up/down"keys(▲, ▼) and the "page up/down"keys(⬆, ⬇). Press the "OK"key to confirm. Also, you can use the "📺/📻"key to select either TV channel list or Radio channel list. Press the "menu"key or "exit"key to return to previous menu.

## 2. A.4 Edit Channel Name

Select the "RENAME" icon using the "left/right" keys(◀.▶). Select the channel that you want to edit from the channel list using the "up/down" keys(▲.▼) and the "page up/down" keys(⬆.⬇). Press "OK" key to confirm your selection. Select the character which you want to edit using the browse keys(▲.▼, ◀.▶). Press "OK" key to confirm. Save the character currently selected using the "F1" key. Also, you can use the "📺/📻" key to select either TV channel list or Radio channel list. Press the "menu" key or "exit" key to return to previous menu.

## 2. A.5 Sort Channel List

Select the "SORT" icon using the "left/right" keys(◀.▶). Press "OK" key to confirm. Select the sort type which you want to sort using the "up/down" keys(▲.▼). Press the "OK" key to confirm. Also, you can use the "📺/📻" key to select either TV channel list or Radio channel list. Press the "menu" key or "exit" key to return to previous menu.

## 2.B. EDIT FAVORITES

You can edit the favorite channel list, such as add/delete a channel or move its position, which facilitates you to easily find your favorite channel from the favorite channel list.

The favorite channel is classified into one of 8 favorite categories depending on its genre.

Select "Edit Favorites" menu in "Channel Organization", and you will be asked to enter your PIN code.

You can find the following "Edit Favorite" screen by entering it.

### 2. B.1 Add Favorite Channel



You can choose TV channel list or Radio channel list in an alternative way by pressing the "📺/📻" key on the RCU. By pressing "FAV" key on the RCU, you can choose your favorite channel group out of 8 favorite groups.

Select the "ADD" icon using the "left/right" keys(◀.▶). Select a channel that you want to add into the favorite channel list using the "up/down" keys(▲.▼) and the "page up/down" keys(⬆.⬇). Press the "OK" key, and the selected channel will be added to the favorite channel list. Press the "menu" key or "exit" key to return to previous menu.

### 2. B.2. Delete Favorite Channel

You can choose TV channel list or Radio channel list in an alternative way by pressing the "📺/📻" key on the RCU.

By pressing "FAV" key on the RCU, you can choose your favorite channel group out of 8 favorite groups.

Select the "DELETE" icon using the "left/right" keys(◀.▶).

Select a channel that you want to delete from the favorite channel list using the "up/down" keys(▲.▼) and the "page up/down" keys(⬆.⬇). Press the "OK" key, and the selected channel will disappear from the favorite channel list.

Press the "menu" key or "exit" key to return to previous menu.

### 2. B.3. Move Favorite Channel

You can choose TV channel list or Radio channel list in an alternative way by pressing the "📺/📻" key on the RCU.

By pressing "FAV" key on the RCU, you can choose your favorite channel group out of 8 favorite groups.

Select the "MOVE" icon using the "left/right" keys(◀.▶).

Select a channel that you want to move using the "up/down" keys(▲.▼) and the "page up/down" keys(⬆.⬇). Press "OK" key to confirm your selection. Move it to the position where you want to place it using the "up/down" keys(▲.▼) or, and the "page up/down" keys(⬆.⬇).

Press the "OK" key to confirm.

Press the "menu" key or "exit" key to return to previous menu.

### 2. B.4. Rename Favorite Group

You can choose TV channel list or Radio channel list in an alternative way by pressing the "📺/📻" key on the RCU.

By pressing "FAV" key on the RCU, you can choose your favorite channel group out of 8 favorite groups.

Select the "RENAME" icon using the "left/right" keys(◀.▶).

Press the "OK" key and select the character which you want to edit using the browse keys(▲.▼, ◀.▶).

Press the "OK" key to confirm.

Save the character currently renamed using the "F1" key.

Press the "menu" key or "exit" key to return to previous menu.

### 2. B.5. Sort Channel List

You can choose TV Channel list or Radio channel list in an alternative way by pressing the "📺/📻" key on the RCU.

By pressing "FAV" key on the RCU, you can choose your favorite channel group out of 8 favorite groups.

Select the "SORT" icon using the "left/right" keys(◀.▶). Press "OK" key to confirm.

Select the sort type which you want to sort using the "up/down" keys(▲.▼).

Press the "OK" key to confirm.

Press the "menu" key or "exit" key to return to previous menu.

### 3. SYSTEM INFORMATION

Distributor supports useful information and new software for the receiver.

#### 3. A. RECEIVER INFORMATION

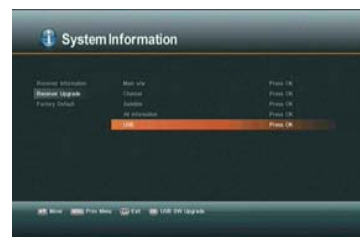
This menu displays the information of S/W version.



#### 3. B. RECEIVER UPGRADE

You can upgrade the software of this receiver through serial port or USB port when the new software is released. Please contact the distributor for receiver upgrade.

##### 3. B.1. USB



Firmware upgrade using USB flash drive. Copy the firmware upgrade file to a USB flash drive. Connect the USB flash drive to USB port in a receiver. Go to "System Information" then select "Receiver Upgrade." Select USB and press OK button.



Select the firmware upgrade file and press OK.



When file transfer is completed, the receiver will be automatically rebooted.

#### 3. C. FACTORY DEFAULT

This is to restore the factory set values in case the user has encountered some problems after changing any new values of channel data and others which may be an error. Select "Factory Default" menu in "User Setting" menu and press "OK" key.

If you want to continue, select option "Yes". The receiver will be reset to settings automatically.

Please note that the "Factory Default" procedure may take a few minutes.

## 4. INSTALLATION



"Installation" menu helps you to setup a variety of parameters necessary for receiving signal, add new service, upgrade the new software and reset the channel data. Select "Installation" menu in main menu, and you will be asked to enter your PIN code. You can find the following "Installation" screen by entering it.

### 4.A. ANTENNA SETUP

Your receiver includes the preprogrammed information of transponders contained in various satellites.

You can update the transponder list preprogrammed for a satellite by adding a new transponder to it or modifying the information of the existing transponder. (Refer to the Channel Scan described in section 4.B)



Select "Antenna Setup" menu in "Installation" menu and the following screen will be displayed. Select the desired satellite using the "left/right" keys (◀ ▶). Set "LNB Power", "LNB Type", "LNB Freq", "22KHz", and "DiSEqC 1.0" fields to the appropriate value using the left/right keys (◀ ▶) at each field.

<b>LNB Power</b>	: Depending on the user's antenna LNB, you can supply either LNB power by setting "ON" or not by setting "OFF". Normally set this to "ON".
<b>LNB Type</b>	: You can select the LNB type.
<b>LNB Freq.</b>	: You can select the predefined LNB frequency or manually enter a specific frequency in MHz unit by pressing numeric keys.
<b>22KHz</b>	: In case you are using two antennas connected to a 22KHz tone switch box, you can supply either 22KHz by setting "ON" or off by setting "OFF" to select antenna.
<b>DiSEqC 1.0</b>	: If you have DiSEqC box, you can choose port by selecting port number. Otherwise, choose "none".
<b>Motor</b>	: If you have a DiSEqC 1.2 motorised system, then you can take advantage of the DiSEqC 1.2 functions available. Choose Installer as Motor and press "OK" key. After that, adjust antenna direction using browse keys.

#### 4. A.1. USALS



Please go to Antenna Setup and select USALS from motor. Press the "OK" key then Pop-up will appear. Press arrow button to write Longitude. Press arrow button to write Latitude, then OK to work.

#### 4. B. CHANNEL SCAN

It will be more convenient to use "Channel Scan" procedure when you want to search channel for a specified transponder offered from the satellite. As in "Antenna Setup", "Channel Scan" also searches all channels broadcasted over a specific transponder using its predefined information. You can add a new transponder if you cannot find it on the predefined transponder list. Select "Channel Scan" menu in "Installation" menu, and the following screen will be displayed.



Select the "Search/Edit TP" icon using the "left/right" keys (◀, ▶). Press "OK" key, and select the desired transponder using the "up/down" keys (▲, ▼). Press "OK" key to start the manual searching for selected transponder. You can see the progressive status of channel searching. If you cannot find the desired transponder from the transponder list, you can add by inputting appropriate parameter values for a new transponder using the "F1" key.

When you want to change the parameter of an existent transponder, select the parameter using the "F1" key, change its value and press the "Exit" key. Correctly set various parameters.

<b>Freq.</b>	: Input the frequency of the transponder you want to find manually.
<b>S/R</b>	: Inputs the symbol rate of the transponder you want to find.
<b>Pol.</b>	: Select the polarization of the transponder you want to find. In the case of horizontal, 18V and in the case vertical, 13V are output through LNB line.
<b>FEC</b>	: Select the FEC of the transponder you want to find. You can select the value of 1/2, 2/3, 3/4, 5/6, 7/8 or auto.

#### 4. C. AUTO SCAN



Check the signal strength. Press "OK" key to start the scan procedure. You can see the progressive status of channel searching. Please note that the scan procedure may take a few minutes. Press the "menu" key or "exit" key to return to previous menu.

#### 4. D. BLIND SCAN



Blind Scan search the channel when you don't know the transponder information. Press the "OK" key to start the blind scan procedure and the following screen will be displayed. Please note that the scan procedure may take a few minutes. Press the "menu" key or "exit" key to return to previous menu.



## 5. MULTIMEDIA

You can play a MP3 Player, JPEG Viewer and recorded files in this menu.

### 5.A. USB Storage



This menu helps you to Remove, Scan, and Format the USB device. To remove USB device from your receiver, select Remove menu before you remove it. Please select Scan menu, if your USB device is not scanned automatically. Format menu helps you to delete all data in USB device.

\* Note: If you do not practice this remove menu before removing your USB device, the device might not be recognized next time.

### 5.B. DVR



You can play the recorded file in the USB in this menu. Please connect USB device to the host port and press "OK" key to watch the file what you want.



This screen represents how to record & playback. For the specific information, please refer to the "8. How to Record & Playback".

### 5.C. Time shift



You can enable or disable the timeshift function, and set the maximum operating time.



### 5.D. JPEG Viewer



You can confirm the image file in the USB. Please connect the USB device to the host port and select the image files on the list by using the "up/down" keys (▲/▼) and push "OK" key to see the images.

## 5. E. MP3 Player



You can enjoy listening to music in this function. Please connect USB device saved MP3 to the host port, then select the MP3 file on the list by using the "up/down keys" (▲/▼) and play music by pressing "OK" key or "Play" key. You can select / deselect each MP3 file by using the "F1" key to listen to songs. And to select / deselect all MP3 files in the folder, use the "F2" key. After selecting the list of songs, press "F4" key to play. You can play the previous / next songs by using the "Left/Right" (◀/▶) key.

Press "Pause" key to pause. In addition, you can stop playing by using "Exit" or "Stop" key.

## 6. ENTERTAINMENT

Two arcade games are provided :

- Sokoban
- Sudoku



## 7. CHANNEL LIST



This menu helps you to easily select the channel that you want to watch. The channel list is separately constructed for each satellite. Press "OK" key, and the following screen will be displayed. You can get information of channel number, channel name, and whether the program is scrambled or locked. To watch a specific channel, first select it by pressing the "up/down" keys (▲/▼) and the "page up/down" keys (▲/▼). Then, press "OK" key. This enables you to move

into that specific channel.

You can also select a specific satellite using the "SAT" key. When you press the "TV" key, you can alternatively select TV or radio channel list. When you press the "menu" key or "exit" key to return to previous menu.

## 8. CHANNEL GUIDE



Press "GUIDE" key, and the following screen will be displayed. It will give the titles of the current and next programs on different channels.

The information may include: current time / channel name, name of the current and next program, the start and total time of the current program, the start and total time of the next program.

Program information will be available only when it is included in the transmission.

When you press the "TV" key, you can alternatively select TV or radio channel guide. Press the "menu" key or "exit" key to return to previous menu.



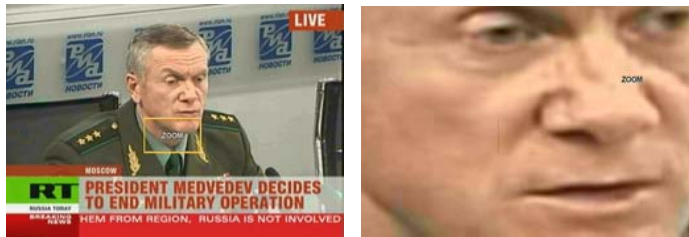
When you press "GUIDE" key again, Daily Guide will be displayed. You can see all events for selected channel.

## 9. AUDIO

Press "AUDIO" key.

Some programs are broadcasted with one or more alternative language soundtracks. You can select the preferred audio language for soundtrack using the "up/down" keys (▲/▼).

## 10. ZOOM FUNCTION



On the live TV screen or paused TV screen, you can magnify some region of TV screen. Press "Zoom Key" key and the ZOOM box will be display.

You can use following keys.

- Up/Down/Left/Right keys (▲, ▼, ◀, ▶) : Move the ZOOM box
- Page Up/Page Down keys (▲, ▼) : Increase or decrease the ZOOM box
- OK key : Watch the ZOOM box to full screen or return to ZOOM box
- Exit key : Return to the live screen

## 11. MULTI PICTURE



You can use the Multi-picture Function using F1 key.

You can watch four, six or nine pictures at the same time using this function. And select the number of pictures using (▲, ▼) keys and press OK. After that, you can see the Multi-Picture Screen. Also, you can select channels using (◀, ▶ ▲, ▼) keys and OK key in Multi-picture Screen. The channel of your selection is only live signal when you selected one channel of the several channels. The channels of which is not selected are just pictures.



4 Picture



6 Picture



9 Picture

## 12. SLEEP TIMER



This function enables to turn off the receiver after certain time.

Select by using the "left(◀)" button after pressing "F4" on the live screen. Use left/right keys (◀ ▶) and push the Save button by using up/down keys (▲ ▼) and OK key.

## 13. FIND CHANNEL



You can seek the channel with the channel's name.

Select by using the "Down" button after pressing "F4" on the live screen.

You can move the keyword by using the "left/right" (◀ ▶) "Up/Down" (▲ ▼) key.

After selecting each character by using the OK key, you can move to the list of searched channels by using the "F1"key.

## 14. ADDITIONAL SETTING



This function enables to select the additional option rapidly on the live screen. It can be selected by using the "Up" key after pressing "F4" on the live screen. Control the selection of radio background screen saver.

## 15. HOW TO USE USB(External Storage)

- External HDD / External Memory (connected to USB Host port)

1) You can use external memory with FAT or FAT32 file system

**\* The External Storage which has only FAT system unformatted by Set-top box doesn't support recording and capturing functions.**



## 8. HOW TO RECORD & PLAYBACK

### 8.1. QUICK RECORD

\* Note: If recording time is less than 30 seconds, the event will not be saved. This is to avoid the unexpected start of recording.



#### 8.1.1. Quick Record

Push the  key. And the current channel will be recorded. If you want to stop the record, push the  key.

### 8.2. PLAYBACK




To watch the recorded program:

1. Select a recorded program to watch by using up/down keys (▲▼) and push OK key.

**(Please refer to the 5.B DVR**




2. When the Playback is starting, **Playback Box** is shown as the left picture.

You can control Playback easily and check the Recorded file name, Progress Time, Book Mark, and Repeat status etc.

3. To stop the Playback, push  key.




### 8.2.1. Fast Forward

Fast forward during playback is available.

- 1) In Playback, push  key.
  - 2) In order to increase playback speed, push  key several times.
  - 3) For returning to normal speed, push  key.
- \* 5 steps of speed are available for Fast forward.



### 8.2.2. Fast Rewind

Fast rewind is available during playback.

- 1) In Playback, push  key.
  - 2) In order to increase rewind speed, push  key several times.
  - 3) For returning to the normal speed, push  key.
- \* 6 steps of speed are available for Fast rewind.

### 8.2.3. Slow Motion


For slow motion playback,

- 1) In playback, push  key.
- 2) For returning to normal speed, push  key.

### 8.2.4. Pause

To pause the screen, push  key.

## 9. TROUBLE SHOOTING

Problem	Solution
<b>About the Receiver</b>	
<b>Does not display LED on the front panel or the receiver has no power</b>	<ul style="list-style-type: none"> <li>- Connect the power cord to the power outlet properly.</li> </ul>
<b>No pictures on the screen</b>	<ul style="list-style-type: none"> <li>- Check if the receiver is in standby mode.</li> <li>- Check if the video output port is firmly connected to the TV.</li> <li>- Check if you have selected the correct channel or video output on your TV.</li> </ul>
<b>No sound</b>	<ul style="list-style-type: none"> <li>- Connect audio cords properly.</li> <li>- Check volume level of the TV.</li> <li>- Press  key.</li> </ul>
<b>Remote Control does not operate</b>	<ul style="list-style-type: none"> <li>- Point remote control directly towards the receiver.</li> <li>- Check and replace batteries.</li> </ul>
<b>Poor picture quality</b>	<ul style="list-style-type: none"> <li>- Check the signal strength in the <b>ANTENNA SETUP</b> menu. If this is low, try to adjust the alignment of your antenna.</li> </ul>
<b>Frequent Rebooting after Power-on</b>	<ul style="list-style-type: none"> <li>- Turn on after removing the signal cable from LNB:</li> <li>- If the rebooting does not occur; check the LNB! (possible cause is LNB short-circuit)</li> </ul>
<b>Abnormal operation when two STBs are connected by "LOOP OUT"</b>	<ul style="list-style-type: none"> <li>- Turn off one of the two STBs.</li> </ul>
<b>On - Screen Error Messages</b>	
<b>Searching Signal</b>	<ul style="list-style-type: none"> <li>- Connect the antenna cable properly.</li> <li>- Check the signal strength in the <b>ANTENNA SETUP</b> menu.</li> </ul>

## 10. TECHNICAL SPECIFICATIONS

### Power Supply

**Input Voltage** : AC 95V~240V 50Hz / 60Hz  
**Type** : SMPS

### Demodulator

**Waveform** : QPSK,8PSK  
**Input Symbol Rate** : DVB-S : 2-45 Ms/s  
DVB-S2 : 10-30 Ms/s (QPSK), 10-31 Ms/s (8PSK)  
**FEC Decoder** : Convolutional Code Rate 1/2,2/3, 3/4, 5/6 ,7/8  
DVB-S2 : Auto, 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 (QPSK)  
Auto, 3/5, 2/3, 3/4, 5/6, 8/9, 9/10 (8PSK)

### Tuner & Channel

**Frequency Range** : 950 ~ 2150 MHz  
**Signal Level** : -25 ~ -65 dBm  
**LNB Power & Polarization** : Vertical : +13.5 V, Horizontal : +18 V  
Current : Max. 500 mA, overload Protection  
**22 KHz Tone** : Frequency : 22±4 KHz  
Amplitude 0.7±0.2V  
**DiSEqC Control** : Version 1.0/1.2 Compatible, USALS compatible

### VIDEO DECODER

**Transport Stream Profiles and levels** : MPEG-2 ISO/IEC 13818  
**Compressed data input** : MPEG-4 AVC-H.264 HP@L4  
**Input Rate** : Parallel peak input rate: 160 Mbps  
**Video Formats** : Max. 15 Mbit/s  
**Video Output** : 4:3, 16:9 Letter box (Default)  
**Video Resolution** : CVBS (Default),CY,CB.CR,SVIDEO  
: 1080i, 720p, 480p/576p, 480i/576i

### Audio/Video Output

**Digital Output** : HDMI  
**Audio Output** : 2 x RCA Cinch  
**Video Output** : 1 x RCA Cinch  
**Digital Audio** : 1 x S/PDIF (Optical)  
**S-Video** : 1 x S-VIDEO  
**COMPONENT** : 3 x RCA Cinch

### USB Interface

**USB** : USB Host Port (MAX Load 200mA)  
**Data rate** : 12M bps

### Serial Data Interface

**Signal** : RS-232, Max. 115200 bps  
**Connector Type** : 9 Pin D-Sub (male)

### Memory

**Flash Memory** : 16MB  
**Graphic(MPEG) & System DRAM** : 128MB + 64MB  
**EEPROM** : 2K



## PROGRAMING THE REMOTE CONTROL

# 11. PROGRAMING THE REMOTE CONTROL

### Programing The Remote Control

There are two ways to program the remote control ; Automatic Code Search or Direct Entry

### Using Automatic Code Search

1. Turn on the component you want to control (TV, VCR or DVD)
2. Press and hold the component key you want to program. Holding the component key until the LED on the remote control turns on, then release the key.
3. Point the remote at the component, press and release the **UP (▲)** button, then wait three seconds or until the LED stops flashing.

At this point the remote control is searching for the correct code to program. If, after three seconds, the component you want to control does not turn off, press and release **UP (▲)** button again to tell the remote to search the next set of codes.

Continue pressing and releasing **UP (▲)** button until the component turns off.

4. If the component you want to control **does** turn off ; Press and release **OK** button, then the LED blinks three times.

### Using Direct Entry Method

1. Turn on the component you want to control (TV, VCR or DVD)
2. Locate the enclosed Code List. Find your brand of the component you want to control.
3. Press and hold the component key you want to program. Holding the component key until the LED on the remote control turns on, then release the key.
4. Enter 3-digit code from the code list, then the LED blinks three times.
5. If you get no response, repeat these steps using the next code listed for your brand until the component responds to the remote control command.

### Changing Volume Lock

Locking the volume controls to a single device makes it easier to control volume, without having to guess whether the volume will change. If you lock the remote's volume controls to the TV (for example), you will always be able to change the volume to the level you want, without having to adjust it on multiple devices.

If you want to lock the volume for the DVD component ;

1. Press and hold the DVD component key until the LED on the remote control turns on.
2. Enter 3-digit code, **9 9 9**.
3. Press and release the DVD component key, then the LED blinks three times.

#### Unlocking volume control ;

If you want to unlock the volume for the DVD component ;

1. Press and hold the DVD component key until the LED on the remote control turns on.
2. Enter 3-digit code, **9 9 9**.
3. Press and release the DVD component key, then the LED blinks three times.

### STB Power Macro

It realizes users to switch on/off both STB & TV simultaneously, to relieve extra efforts with adjusting device key on the RCU.

If you want to lock the power macro function ;

1. Press and hold the STB component key until the LED on the remote control turns on.
2. Enter 3-digit code, **8 8 8**.
3. Press and release the STB component key, then the LED blinks three times.

#### Unlocking power macro function ;

If you want to unlock the power macro function ;

1. Press and hold the STB component key until the LED on the remote control turns on.
2. Enter 3-digit code, **8 8 8**.
3. Press and release the STB component key, then the LED blinks three times.

### Brand List for TV

A MARK	000
ABEX	130 212
ADMIRAL	013 131 166 230 268
ADPECT	124
ADVENT	308
ADVENTURA	195
AIO	009 248
AIWA	213 228 245 265
AKAI	014 198 292 341
ALLERON	056 282
AMARK	268
AMTRON	030
ANAM NATIONAL	015 030 205 311 322
AOC	016 017 018 019 051 140 141 169 187 204
APEX	181 215 229 291
ARCHER	268
AUDIOVOX	030
AXION	241 344
BELCOR	016 051
BELL & HOWELL	013 042 058 166 266
BENO	283 284 315
BRADFORD	030
BROKSONIC	016 032 168 182 200 278 309 344
BROKWOOD	016 051
CANDLE	016 044 051 195
CAPEHART	349
CARVER	012
CELEBRITY	014 292
CELERA	181
CENTRIOS	262
CENTURION	051
CETRONIC	030
CHANGHONG	181 291
CITIZEN	009 010 016 018 030 042 044 051 086 096 139 166 168 173 210 248 264
CLAIRSTONE	187
CLASSIC	030 181 291
CLP	190
CLP CLASSIC	061 188 196
COLOR VOICE	267
COLORTIME	011 016 018 051267
CONCERTO	016 051
CONCIEGE	125
CONTEC	130 187
CONTEC/CONY	005 006 007 030
CORNEA	051
CORONADO	000
CRAIG	030
CROSLEY	012 294
CROWN	030
CTX	268
CURTIS MATHES	008 012 016 018 042 045 051 058 086 096 139 166 172 173 210 255 266 346 347
CXC	030
DAEWOO	000 001 009 016 017 018 030 051 116 139 151 167 201 204 247 248 251 257 258 267 272 312 340 341 344 346
DAYTRON	016 018 051 139
DELL	300 345
DIAMOND VISION	256 277 297
DIGISTAR	211 224 240 328 345
DIMENSIA	045 266 347
DISNEY	252
DUKANE	124 295
DUMONT	016 051 125
DURABRAND	121 168 198 239 244 264 344
DYNASTY	016
DYNATECH	014
ELECTROBAND	014 187 292
ELECTROHOME	002 003 014 015 016 018 051 198
ELEKTRA	311
ELITE VIDEO	166
EMERSON	000 004 005 016 018 020 021 022 023 024 025 026 027 028 029

030	031	032	033	034	MEDION	252	254	324	RHAPSODY	187
035	036	037	038	039	MEGATRON	018	051	067 124	RUNCO	125 287
042	051	056	058	114	MEI	187			SAMPO	016 018 051 130 139 140 186 194 220
139	142	143	167	168	MEMOREX	013	017	018 042 051	SAMSUNG	000 002 005 008 016 017 018 051 086 096 096 097 130 139 151 163 204 209 210 223 232 255 272 302 310
207	216	231	233	245	MGA	002	003	016 017 018 051 052 053 059 130 204 275 282 285	SAMSUX	051
258	263	264	269	270	MIDLAND	008	125	130 189 237	SANSUI	168 200 278
278	280	281	282	325	MIKEI	347			SANTECA	016 042 051 053 057
344	346				MINUTZ	293			SANYO	005 008 130 137 144 236 250 275
016	018	051	191		MITSUBISHI	002	003	016 017 018 051 052 053 054 059 115 198 204 275 282	SCOTCH	005 016 018 020 021
042	057	058	059 130		MONIVISION	285	286		SCOTT	030 032 061
144	275				MONTGOMERY WARD	013	166	266 347	SEARS	056 206 282 000 002 006 007 008 012 016 018 040 041 042 045 047 051 056 057 058 059 060 060 130 132 144 166 200 210 231 237 259 264 266 275 282 294 298
056	242	282			MOTOLA	042			SELECTRON	330 331 332
030	056	231	245	264	MOTOROLA	015	131	268 311	SHARP	000 005 016 018 023 026 033 061 076 080 088 093 113 131 139
030					MTC	016	017	018 051 086	SHOGUN	016 051
282					MULTITECH	030			SIGNATURE	001 166 266 347
003	008	015	016 018		MULTIVISION	078			SIMPSON	044
045	051	060	061 062		MYRON & DAVIS	306			SONE	181
078	132	147	148 149		NAD	018	040	041 051 086	SONY	014 150 157 159 164
174	188	189	235 237		NEC	011	016	017 018	SOUNDDESIGN	343 350
266	293	307	311 337		NET TV	134	171	212	SPECTRAVISION	101 056 282
347					NIKKO	194	220		SQUAREVIEW	055
016	051	125			NORCENT	009	018	051 248	STARLINE	030
000	002	005	016 017		NTC	221	229	312	STARLIGHT	231 259 298
018	051	055	064 130		ONCOMMAND	051			SUPERSCAN	200
125	127	130 139	204		ONKING	030			SUPRA	051 296
245					ONWA	030			SUPREMACY	195
272					OPTIMUS	138	171	199 212	SUPREMACY	292
203					OPTOMA	270			SVN	229
030	056	282			OPTONICA	075	131	268	SYLVANIA	002 010 012 016 018
349					ORION	005	125	168 206	SYNAX	043 044 046
030	056	282			PANASONIC	175	189	199 246 290	SYNCHRON	049 050 051 065 079
016	018	051 067 068 069			PHILCO	000	002	005 010 012 015 016 017 018 043 044 046 049 060 061 060 204 285 294 311	SYMPHONIC	020 030 056 160 231 245 264
019	018	102 103 104			PHILIPS	000	002	005 010 012 015 016 043 044 046 049 051 052 070 077 078 079 096 214 311 235 243 264 276 285 294 311 335 338 344	SYNTH	051
105	106	107 108 109			PILOT	016	051	071 072	TANDY	131 268
119	123	124 130 143			PIONEER	016	018	051 071 072 134 143 171 212 263	TASHIRO	061 189
161	166	171 179 245			PRIMA	273	287	295	TATUNG	016 018 051 061 189
261	263				PRECISION	000	009	016 017 018	TECHNICS	010 012 013 016 017
271	285	295			PRICE CLUB	096	210		TECHWOOD	016 018 051 061 189
254	334	353 354			PRINCE	211	224	240 328	TEKNIKA	000 005 006 007 009 010 012 013 016 017 018 030 044 051 056 086 096 130 138 199 166 175 195 204
012	294	335			PRISM	061	189		TELECAPTION	210 248 266 282 347
166	224	231 240 244			PROSCAN	008	045	132 237 266	TELERENT	082 238
264	317	319			PROTON	301	336 347		TERA	016 051 227
003	006	008 010 016			QUASAR	005	016	018 051 073	THOMSON	016 051
017	018	041 044 045			KAWASHO	140			TOSHIBA	040 041 042 058 075 086 096 130 138 199 188 200 202 210 238 255 274 280 287
051	058	059 061 064			KAYPANI	000	030		TOTOVISION	060 078 235 293
078	086	095 096 117			KENWOOD	002	016	018 051	TRUTH	016 018 020 021 043
130	132	139 169 204			KLH	181			UNIVERSAL	044 045 046 049 051 056 060 065 075 078 079 084 166 204 235
210	235	237 266 269			KLOSS NOVABEAM	030	049	065 195	VICTOR	016 051 204
293	347				KMCC	000			VIDKRON	016 051 204
292					KONKA	030	217	222 234 279	VITECH	220 295
016	018	051 319			KTV	317	352		VIVISION	016 051 204
005	006	007 066 047			KURAZAI	000	066	139 142 187	VKING	295
048	061	068 128 129			LASONIC	166			WARDS	000 002 012 013 016 017 018 020 021 043 044 045 046 049 051 056 060 065 075 078 079 084 166 204 235
130	133	158 178 218			LI	017	051	063 125 130	WESTINGHOUSE	193 320
242	271	285 342			LIQUIDVIDEO	204	245 272		WHITE	225 245 251 272 346
014	016	018 051 292			LOGNET	241	233 344		YAMAHA	002 016 017 018 091
008	012	018 040 041			LOWE	289	294		ZENITH	033 051 121 122 124 125 126 140 165 166 168 190 230 245 248 251 255 258 278 335
042	045	051 058 086			LUCIF	013	166 266 347			342 344
002	003	014 015 016			LUXMAN	016	018 051			
018	051	198			LXI	008	012	018 040 041 042 045 051 058 086 132 137 245 266 294		
311					MAGNANON	000	002	010 012 016 018 043 044 046 049 050 051 065 079 110 111 112 230 231 285		
166					MAGNAVOX	000	002	010 012 016 018 043 044 046 049 050 051 065 079 110 111 112 230 231 285		
000	004	005 016 018			MAJESTIC	013	166 266 347			
020	021	022 023 024			MARANTZ	012	016 018 051 067			
025	026	027 028 029				287	294			

## Brand List for AUX

### - DVR -

AT&T	009
ECHOSTAR	000
HUGHES	375
HUMAX	259
PANASONIC	009 256
PHILIPS	001 002 004
PIONEER	257 357
RCA	010
REPLAY TV	009
SONIC BLUE	009
SONY	003 006 258
TIVO	002 003 004 005 006
TOSHIBA	259 357
VIEWSAT	012

### - CD -

ADC	013 221
ADCOM	195 236
AIWA	018 030 247 366
AKAI	014 215
AUDIO TECHNICA	198
CALIFORNIA AUDIO LAB	207
CAPETRONIC	222
CARVER	058 204 210 216
CENTRIOS	253
CITIZEN	344
CURTIS MATHES	015
DENON	229
EMERSON	019 236 248
FISHER	020 199 210 211 218
GE	016
GENEXXA	227 248 373
GOLDSTAR	233
HARMAN KARDON	017 230
HITACHI	021 373
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NORCENT	116
ONKYO	073 142 146
OPTIMUS	080 107 119 141 148
PANASONIC	345 363
PHILIPS	074 075 083 133 139
	150 152
	058 081 082 093 150
PIONEER	070 106 114 125 153
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	114 125 132 148 342
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SONY	066 067 076 091 104
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## 12. WARRANTY CARD



## Viewtech, Inc. Return Merchandise Authorization Form

**\*\*Viewsat units purchased AFTER May 2007 have a 2 year warranty from the date of purchase\*\***

In order to return defective product for repair or replacement, this form MUST be filled out completely and included with your return. Any product returned without a completed RMA form will be shipped back at the customer's expense.

**PLEASE type or print legibly and Complete RMA form**

Date sent: \_\_\_\_\_ Product Serial # (s) \_\_\_\_\_

Purchase Date \_\_\_\_\_ Company Purchased From \_\_\_\_\_

RMA# \_\_\_\_\_ (Please call 760-754-9880 Option 4 for RMA #)

Name: \_\_\_\_\_

Address (Do not List P.O.Box): \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP Code: \_\_\_\_\_

Urbanization \*(for Puerto Rico Residence)\* \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

PRODUCT : 9000HD ☐ VSMAXHD ☐ Pro ☐ PVR ☐ Ultra ☐ Ultra Lite ☐ Remote Control ☐

**\*\*DO NOT SEND additional accessories unless approved by technical support\*\***  
 (If additional accessories are sent without approval, we will not be held responsible for loss or damage)

**PLEASE CHECK IF ADDITIONAL PARTS WERE SENT**

Remote ☐ Disecq switch ☐ RCA Cable ☐ Null modem cable ☐ Manual ☐ HDD cradle ☐  
 Other ☐ (Please Specify) \_\_\_\_\_

Problem: Power ☐ Signal ☐ Video ☐ Audio ☐ Download ☐ MISC ☐

Describe \_\_\_\_\_

\*Receipt included? YES ☐ NO ☐

\*Money Order Included? YES ☐ NO ☐

**IMPORTANT!! >>>>> Terms and Conditions:**

**Product must have official Viewsat factory firmware only (No 3rd Party firmware)**

- Copy of receipt showing date of purchase and company purchased from must be included with return.
- Proper packaging must be used to prevent further damage to unit.
- If product is damaged due to user error, warranty is void.
- Damage caused by lightning, fire, acts of war, public disturbances, incorrect ventilation or any other cause beyond the control of the distributor are not covered under warranty. Water damaged cannot be repaired.
- Products where label bearing the serial number has been removed, defaced, or is illegible are not covered under warranty.
- Illegal copies, counterfeits, or clones of our product will not be covered under warranty and product may be seized and used as evidence in legal action against seller.
- If Viewtech agrees to repair a unit that is not covered under warranty, there will be a \$50 service charge.

**Customer's Signature:** \_\_\_\_\_ **By signing, customer agrees to all terms and conditions. If product does not meet warranty requirements, customer agrees to pay \$25US to have product shipped back. Additional charge may be added for intl. shipping.**

**Shipping Address:**  
 Viewtech, Inc. #446  
 4140 Oceanside Blvd. #159 Oceanside, CA 92056

