



AT003-HDR



SAFETY PRECAUTION

Important Safety Instructions

- 1, Read these instructions
- 2, Keep these instructions
- 3, Heed all warnings
- 4, Follow all instructions
- 5, Do not use this 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, Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use cautions when moving the cart/apparatus combination to avoid injury from tip-over.



- 13, unplug this apparatus during lighting 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 spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 15, **WARNING:** to reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
- 16, The mains plug is used as the disconnect device, the disconnect device shall remain readily operable.

SAFETY PRECAUTION

CAUTION:		
	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of "dangerous voltage" within the product enclosure that may be so sufficient magnitude to constitute a risk of electric shock to a person.	Warning: To reduce the risk of electric shock, do not open the cover or cabinet. No user serviceable parts inside. 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) instructions in the literature accompanying the apparatus.

Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

For a Class B digital device or peripheral, the instructions furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual:
 Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
 —Reorient or relocate the receiving antenna.
 —Increase the separation between the equipment and receiver.
 —Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 —Consult the dealer or an experienced radio/TV technician for help

WARNING: The apparatus shall not be exposed to dripping or splashing of liquids. No objects filled with liquids, such as vases, shall be placed on the apparatus.

WARNING: Do not put a candle or lamp on the cabinet, as this can cause a risk 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 to your home, consult your local dealer or power company.

WARNING: The batteries of the remote control should not be exposed to excessive heat

such as fire, direct sun, or similar.

WARNING: Maintenance personnel must use the appropriate tools and replacement parts as specified by the manufacturer.

Note: Do not open the cabinet on this unit, as this may expose you to dangerous voltages and radiation.

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's approval, as this 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 unit on a bed, sofa or other similar surface.

Power-Cord Protection: Place the power-supply cord out of the way, where it will not be walked on or pinched, particularly 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 unit 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 unit.

Note: Moisture may be formed inside the unit under the following conditions:

- When the unit is suddenly moved from a 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 moisture forms inside the unit, it may not operate properly. To correct this problem, wait several hours for the moisture to evaporate before operating the unit.

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

Safety Check: After all the maintenance and repairs are done, the user should request the service technician conduct an overall safety check, to ensure the unit is in proper operating condition.

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1. Settop Description & Remote Control

1.1 Settop Description

This Settop allows you to receive unencrypted (free) and encrypted (paid tier) Digital Cable programs from your Cable TV Service Provider.

The Settop will search for additional new channels as soon as you launch the automatic channel search. All Settop settings can be easily configured via the user interface (Settop Menu).

1.2 Front Panel Description

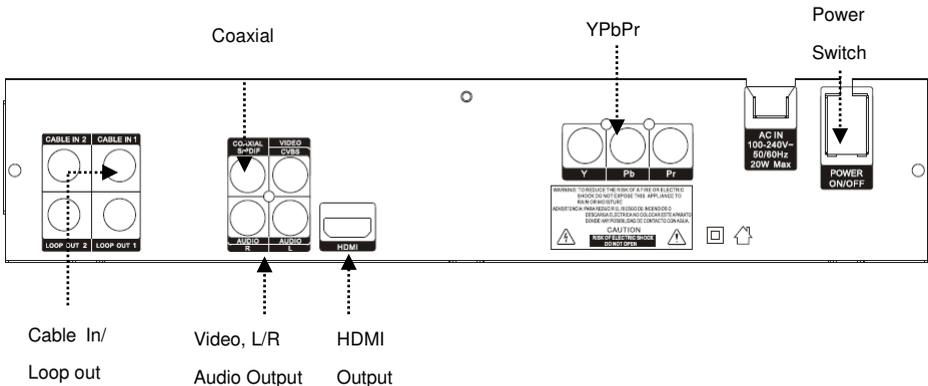


1	POWER Button	Used to switch the Settop between the ON mode and Standby mode (Make sure the rear panel ON/OFF switch is set to ON).
2	Remote Sensor	Detects the infrared (IR) signals from the remote control unit. Point your remote toward this area when selecting channels, adjusting volume, etc.
3	Display (VFD)	When the Settop is on, this will display the Channel Number you are watching. When the Settop is in standby mode, this will

Remote Control & Panel Description

		display the current Time.
4	VOL+/-	Press these buttons to adjust the sound level. You may also need to adjust your TV volume control to achieve the desired sound level. These will also serve as Cursor buttons, for navigating and changing preferences in the Settop Menu.
5	MENU	This button allows you to enter the Settop Menu, making it possible to set the Settop features to your preference without using the remote control. This button will also allow you to exit all Menus.
6	CH+/-	Press these buttons to change the channel. These will also serve as Cursor buttons, for navigating and changing preferences in the Settop Menu.
7	OK	Press this button to display the channel list. This button will also serve as the OK button while in the Settop Menu.

1.3 Rear Panel Description



1	CABLE IN	CABLE input of the tuner. Connect your Cable TV signal to this jack.
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Remote Control & Panel Description

2	LOOP OUT	CABLE output for connecting Cable TV signal to another device. This jack will output the cable signal at all times, whether the receiver is on or off.
3	VIDEO	Composite video output for connecting to your TV video Input jack. This connection will support NTSC/480i video.
4	AUDIO	AUDIO output for connecting to your TV Audio Input jacks.
5	HDMI	High Definition Multimedia Interface connection. This connection enables secure distribution of uncompressed high-definition video and audio, in a single cable. Because signals remain in digital format, HDMI assures that the images retain the highest video quality from your Settop to your TV.
6	Y Pb Pr	Component output for connecting high quality Video to your TV.
7	AC IN	Main Power cord for your Settop.
8	POWER ON/OFF	Allows user to completely switch off power to the Settop, without having to unplug the Main Power cord.

1.4 Remote Control Description



2. Basic Operation

2.1 Switch 'ON' the Settop

First, plug in your Settop. Next, set the Power ON/OFF switch on the rear panel of the Settop to 'ON'. Then, press the [Power] button on the front panel or remote control, to turn the Settop ON. When the Settop is first used, it will start a 'First Time Setup' walk-thru operation.

? Frequently Asked Question

Q: My Settop is powered on, but the TV screen shows nothing:

A: Make sure your TV is set to the correct video input. For example, if you have connected the Settop to the HDMI1 input of your TV, then you need to select the corresponding input of the TV.

Q: My Settop is powered on, but only a "No Signal" display is shown.

A: The channel you selected has no signal. This can be caused by several reasons:

1. The channel you selected currently has no programming from your cable provider. Select another channel.
2. The signal of the current TV channel is too weak. You can try changing to another channel with a stronger signal. If the problem still exists, please consult your local Cable TV Provider.

2.2 Standby Mode

1. Press the [Power] button on the front panel or remote control, to switch from operational mode [ON] to standby mode [OFF].
2. In standby mode, press the [Power] button on the front panel or remote control, to switch to operational mode [ON]. The last active channel will be tuned and displayed.
3. To switch the Settop off completely, set the Power ON/OFF button on the Rear Panel to [OFF]. Or, you may unplug the main power cord from the AC wall outlet.

2.3 MUTE

1. Press the [Mute] button to mute the sound. An icon will be displayed on the screen to indicate the sound has been muted.
2. Press the [Mute] button again to restore the sound.

2.4 AUDIO

1. Press the [Audio] button to open the Audio Mode window.
2. Select the desired audio program with [CH▲/▼] and change the value with [VOL◀/▶].



2.5 LAST

Press the [LAST] button to toggle between the current channel and the previously selected channel.

2.6 Channel Numbers

Enter the channel number directly with your remote control and confirm the number with the [OK] button, to change to the desired channel.

2.7 PPV

<This section left blank intentionally>

2.8 GUIDE

The Settop has an Electronic Program Guide (EPG) to help you navigate through all available channels. The EPG supplies information such as channel listings, program descriptions, and starting/ending times for all programs.

Press the [GUIDE] button to display the Electronic Program Guide.

NOTE: When in this menu, use the color buttons on your remote control to correspond to the color coded function (for example, the Green-Time feature is accessed by pressing the Green-GUIDE button on your remote).



1. Press the RED button on the remote control, which corresponds to the RED (Time) command on the bottom of the screen. You will then enter into the following screen.



2. Use the [VOL ◀▶] buttons to select the chosen icon, then press the [OK] button to set that action. Press the [EXIT] button to return to the original EPG screen.

3. Press the GREEN button on the remote control, which corresponds to the GREEN (Timer) command on the bottom of the screen. You will then enter into the following screen.



To navigate, press the [CH▲▼, VOL◀▶] buttons and set related date, as well start time and duration. Using this Timer menu, you may set the Settop to tune your desired channel (or tune and record) at a preset time. Save your settings by highlighting 'Save' and pressing the [OK] button.

2.9 CH ▲/▼

Press the [CH▲/▼] buttons to change the channel.

2.10 VOL ◀/▶

Press the [VOL◀▶] buttons to adjust the volume.

2.11 OK

1. Press the [OK] button to open the Channel List window. You can also select your different “Favorites” groups by pressing [VOL◀/▶].
2. Once you've selected the desired Channel / Favorites list, you can select the desired channel by pressing the [CH▲/▼] buttons to highlight the channel, then confirm it by pressing the [OK] button.
3. Press the [EXIT] button to return to normal TV viewing.
You may also use the [OK] button to direct tune a channel.
First, enter the desired Channel number using the remote control number keys, then press [OK] to tune that channel.
You also use this [OK] button while setting features in the Settop Menu system.

2.12 MENU

Press the [Menu] button to enter or exit the current menu.

2.13 EXIT

Press the [Exit] button to exit the current menu. You may press this button to escape any on screen display or function, including: ZOOM, INFO, GUIDE, Channel List, etc..

2.14 PAUSE

1. Press the [PAUSE] button and the picture will be paused, but the sound of the channel will still continue.
2. Press the [PAUSE] button again to return to normal viewing.

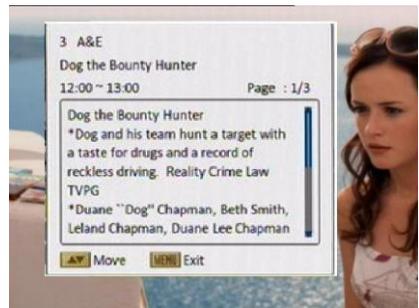
2.15 ZOOM

1. The [Zoom] button allows you to magnify the video. You may use this button during normal viewing, or you may press [PAUSE] and zoom a still picture.
2. Press the [Zoom] button the first time and you will see 'ZOOM x1' displayed in the lower right corner of the TV screen. Press [ZOOM] again and the image will enlarge to 'ZOOM x2'. Press [Zoom] again, and repeat until you reach the desired magnification (Zoom has the following possible magnification settings: x1, x2, x4, x6, x8, x12, x16).
3. In "x2 ~ x16" Zoom mode, use the [CH▲/▼ / VOL◀/▶] buttons to move the image center area to the portion of the video you want to view.
4. Press the [Exit] button to close the "Zoom" window.



2.16 INFO

Press the [INFO] button to open the information screen. This window will show the channel number being received, the channel ID, program description, and the current date and time.



3. Channel

Press [Menu] to enter the main menu.

1. Press [CH▲/▼] to select the channel item.
2. Press [OK] to enter the selected item.



In the channel menu:

Press [CH▲/▼] to select the wanted menu item among TV Channel List, Radio Channel List, Channel setup, Favorite channel list name, and Delete All.

Press [OK] to enter the selected item.



3.1 TV Channel List

The TV Channel List menu allows you to modify the channel list to your preference.

Note: When in this menu, use the color buttons on your remote control to correspond to the color coded function (for example, the Green-Edit feature is accessed by pressing the Green-GUIDE button on your remote).

1. You can move the highlighted channel with [CH▲/▼] and press [OK] to preview the highlighted program in the preview window.
2. Press [Vol◀/▶] to switch type of the program group.
3. Press [Menu] or [Exit] buttons to enter TV playing mode.
4. The color buttons offer further functions to manage the channel list.



3.1.1 Favorite

1. Press [FAV] to open the favorite window.
2. You can select between 32 favorite groups with [CH▲/▼]. Press [OK] to assign the channel to a favorite group, press [EXIT] to exit favorite group.
3. Press [OK] again to remove the channel from the marked favorite group.
4. Press [MENU] button you will be asked “Are you sure to save?”. Select “Yes” to save the marked favorite group. Select “No” to cancel the operation.
5. To return to the TV channel list. The channels of favorite groups are indicated with a favorite icon behind the name.



3.1.2 Move

Pressing the [Red] button in the TV channel list will open another window where you can choose between move the actual channel and swap the actual channel to the desired position, press [OK] to confirm it.

a) Move

1. Press [Red] button to show a moving icon behind the channel name.
2. Move the channel to the desired position with [CH▲/▼]. Press [OK] to confirm the position.

b) Swap

1. Press [Green] button to show a moving icon behind the channel name.
2. Move the channel to the desired position with [CH▲/▼]. Press [OK], then the selected channel will immediately exchange positions with the channel currently occupying this position.



3.1.3 Sort

Press [Green] to open the sort window. Press [CH▲/▼] to select and [OK] to confirm your choice.

The ways of sorting are:

- ◆ Default: Sort channel factory default.
- ◆ FTA/CAS: Sort channel by free and scrambled sequence. Free channels will be listed first and scrambled channels behind in the channel list.
- ◆ Lock: Unlocked channels are listed first and locked channels at the end.
- ◆ Name (A-Z): Sorting in Alphabetical order.
- ◆ Name (Z-A): Sorting in reverse Alphabetical order.



3.1.4 Edit

After pressing the [Yellow] button a window for entering the password will open. The default password is "0000".

You can delete, skip, lock and edit the channel.

Press [MENU] to leave the channel editing. The system will ask you to confirm the saving of the changes you made.



3.1.4.1 Delete

In channel edit menu press [Red] button will open another window where you can choose between delete one channel OR delete all channels.

- ◆ **Del One**
Press [Red] button to mark a channel for deleting. Marked channel will be deleted after you confirm to save the changes when you leave this menu.
- ◆ **Del All**
 - a) Press [Green] button to show a deleting icon behind all channel name.
 - b) Press [MENU] button you will be asked "Are you sure to save?". Select "OK" to delete all channels. Select "Cancel" to cancel the operation.

3.1.4.2 Skip

In channel edit menu, press [Green] button to place a skip icon behind the name of the highlighted channel. Marked channels will be skipped when you change channels in TV mode after you confirm to save the changes when you leave this menu.

3.1.4.3 Lock

In channel edit menu, press [Yellow] button to place a lock icon behind the name of the highlighted channel. Marked channels will be locked and displayed only after password has been entered if you confirm to save the changes when you leave this menu.

3.1.4.4 Edit

Pressing the [Blue] button in the TV channel list edit menu will open another window where you can choose between edit the actual channel and create a new channel.

◆ Edit

Press [Red] button to edit the channel.

1. Selecting the name item with [OK] will display a button pad to show you how to edit the channel name.
2. On the “Video PID”, “Audio PID” and “PCR PID” items you can input numbers to modify the item’s value.
3. After modification select “Save” and press [OK] button to save the modified values and exit “Edit” mode. Or select “Exit” and press [OK] to leave edit mode without saving the modifications.

◆ Create

Press [Green] button to open the create channel window.



1. Press OK and Use [CH▲/▼] to highlight the “Name” item and press [OK] to display the button pad and edit the new channel’s name.
2. In “Video PID”, “Audio PID” and “PCR PID” items you can enter the numbers directly to set these parameters of the new channel.
3. After modification, select “Save” and press [OK] to save the new channel and leave the edit mode. Select “Exit” and press [OK] to exit the edit mode without saving the new channel.



3.1.5 Find

1. Press [Blue] button to open the “Find” window like showed beside. Press [CH▲/▼] / [Vol◀/▶] to select the leading character of the channel name and press [OK] to confirm it.
2. After entering the character(s) highlight “OK” in the window and press [OK] on the RCU.
3. Press [Exit] button to close the find window and brings you back to the channel list.



3.2 Radio Channel List

Basically the operation of “Radio Channel List” is same as “TV Channel List”, except that in the small channel window the radio Logo will be displayed.

3.3 Channel Setup

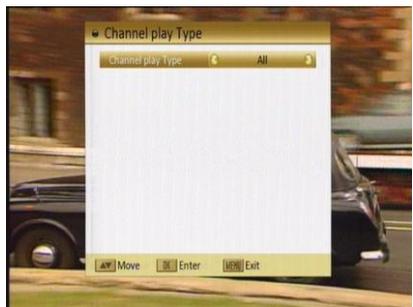
When you enter the “Channel Setup” menu you will see a screen like beside:

1. Startup Channel: Press [OK] to enter “Startup Channel” menu to see the screen like showed beside:

- ◆ If you set of “Boot on Channel” to “On” you can edit the following two items. If the setting is “Off” the box always starts with the channel that was running when the box has been switched off.
- ◆ On the “Mode” item you can select “TV channel”.
- ◆ On “Startup Channel” item you can open the channel list by pressing [OK]. Then you can select the channel of your choice. Press [OK] again to confirm.



2. Channel Play type: Use [CH▲/▼] to select, press [OK] to enter “Channel Play Type” menu. Here you can select the “playing channels” as “All”, “Free” or “Scrambled” with [Vol◀/▶].



3. If you select “Free” then all scrambled channels will be skipped when you change channels with [Vol◀/▶].
4. Press [Exit] to leave the “Channel Setup” menu.

3.4 Favorite group list name

When you enter “Favorite group list name”, a menu with 32 favorite group will be displayed. Press [OK] on the RCU to rename favorite group. Use [CH▲/▼] / [Vol◀/▶] to select character, press [OK] to confirm it.

After modification, select “OK” button on virtual on-screen keyboard and press [OK] on the RCU to save changes and leave the edit mode. Press [Exit] on the RCU to exit the edit mode without saving the favorite group name.



3.5 Delete All

To delete all channels:

1. Enter the password. The default password is “0000”.
2. After entering the password correct a safety question will show up where you have to confirm first
3. Select “OK” to delete all channels or “Cancel” to cancel the operation and confirm with [OK].
4. In step 1 and step 2, pressing [Menu] will exit the function directly without saving.



? Frequently Asked Question

Q: If I accidentally delete all channels, what should I do?

A:

- Use “Installation” menu to scan in channels again.

4. Installation

When you enter to “Installation” menu, there will display the screen like right:

In “Installation” menu;

1. Press [▼/▲] key to select menu pages among Auto Scan and Transponder scan.
2. Press [▼/▲] key to select menu items among each items.
3. Press [OK] key to enter the selected item.



4.1 Auto Scan

When you enter to “Auto Scan” menu, there will display the screen like right:

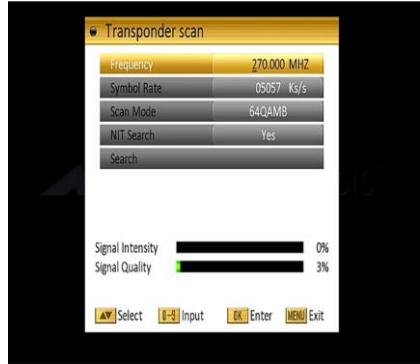
1. You have to set the parameters of “First Frequency”, therefore use the number buttons of the RCU.
2. You have to set the parameters of “Second Frequency”, therefore use the number buttons of the RCU.
3. NIT Search: Press [Vol◀/▶] to switch this function “Yes” or “No”.
4. Moving the highlight to “Search” item and press [OK] key to start scanning.
5. In the “Auto Scan” menu, press [Exit] key to draw back from the scanning.



4.2 Transponder scan

When you enter to “Auto Scan” menu, there will display the screen like right:

1. You have to set the parameters of “First Frequency”, therefore use the number buttons of the RCU.
2. You have to set the parameters of “Second Frequency”, therefore use the number buttons of the RCU.
3. You have to set the parameters of “Scan Mode”, therefore use the number buttons of the RCU.
4. NIT Search: Press [Vol◀/▶] to switch this function “Yes” or “No”.
5. Moving the highlight to “Search” item and press [OK] key to start scanning.
6. In the “Auto Scan” menu, press [Exit] key to draw back from the scanning.



5. System Setup

When you open the “System Setup” menu you will see a window as shown here:

In “System Setup” menu:

1. Press [CH▲/▼] to select menu items among Language, TV System, Time & Timer setting, OSD Setting, Parental Lock, Power setting, TCP/IP Setting and MAC Setting.
2. Press [OK] to open the selected item.



5.1 Language

After selecting the “Language” menu you will see a window as shown here:

1. Menu Language: Press [Vol◀/▶] to select from the many available menu languages, including: English, German,



French, Spanish, Italian, Portuguese, Turkish, Polish, Russian, Danish, Greek, Hungarian, Arabic, Farsi and Dutch.

2. **First Audio:** Some channels offer more than one audio language. This function allows you to set the preferred audio language for those channels. If a channel offers the same audio language as the “First Audio” you set the system will play this audio language as default. If the channel does not offer this audio language then the system will compare the offered languages with the second audio language.
3. **Second Audio:** If the channel has no audio language that corresponds with “First Audio” but with “Second Audio” the system will play the second audio language as default. If no audio language corresponds with the “Second Audio” then the default language of the current channel will be played instead.
4. **Closed Caption:** In “OSD Setting” menu, use [Vol◀/▶] to select “On” or “Off”. If the current channel has Closed Caption information, it will be displayed if this function is “On”.
5. Press [Menu/Exit] to exit from “Language” menu.

5.2 TV System

When you enter the “TV System” menu you will see the screen like below:

1. **Display Mode** is used to switch the display mode. In SD Mode, You can select from PAL / NTSC / Auto. In HD Mode, you can select from Auto / 720P_60 / 1080I_30. Press [Vol◀/▶] to switch to the desired mode.
2. **Aspect Mode** is used to switch the screen aspect ratio mode. You can select between Auto / 4:3 PS / 4:3 LB / 16:9 using the [Vol◀/▶].
3. **Video output** is used for switching the screen aspect ratio mode. Now we provide below options: HD / SD. You can press [Vol◀/▶] key to select.
4. Press [Menu/Exit] to return to the previous menu.



5.3 Time & Timer Setting

When you enter “Time & Timer Setting”, the following window will be shown.

1. Timer: Select “Timer” item and press [OK] to enter the “Timer” menu.

You can press [CH▲/▼] to select item.

- ◆ The current time will be displayed in the first column. If the current time is incorrect, please modify it with the [Number] buttons.
- ◆ Timer Number: You can press [Vol◀/▶] to switch the timer number. There are totally 16 timers.
- ◆ Timer Mode: Select how often the timer is running: Once, Daily, Weekly, Monthly and Yearly, or switch the timer to off.
- ◆ Timer Service: Select between TV Channel and Message.



- ◆ When you select “TV Channel”(timer setting for channel change and Wakeup channel / date) then you have further options you need to set:

- Wakeup Channel: Press [OK] to enter the channel list, and select the channel you want to see with [CH▲/▼], press [OK] to confirm it.
- Wakeup Date: Use number buttons to input your wakeup date.
- On Time: Use number buttons to input your wakeup time. Once the date and time is reached, the system will automatically switch to the channel you set here (this action will occur when STB is in Standby mode or On mode).



- Duration: Here you can set the time you want to see or play this channel. When the time is reached, whenever the system is in Standby mode or On mode, the system will automatically switch to the channel you select and play the channel for the duration time you set. The minimum duration unit is one minute. After the duration time, the system will automatically switch to Standby mode.
- ◆ When you select “Message”(reminding message) option in “Timer Service” then you can enter additional data:
 - Wakeup Message: Press [Vol ◀/▶] to select the category of the wakeup message from Birthday, Anniversary and General.
 - Wakeup Date: Use the [Number] buttons to input your wakeup date.
 - On Time: Use the [Number] buttons to input your wakeup time. If date and time are reached, no matter if the system is in standby mode or in playing mode, it will automatically show a reminding message. The message will be displayed on the screen until you press [Exit] to close it.
 - Duration: Here you can set the time you want to see or play this channel. Once the date and time is reached, the system will automatically switch to the channel you set here (this action will occur when STB is in Standby mode or On mode).
 - After the duration time, the system will automatically switch to Standby mode.
- ◆ Press [Exit] to leave the “Timer” menu.

2. Local Time Setting: When you select “Local Time Setting” and press [OK] then you will see a window like the one beside:



- ◆ GMT Usage: This item is used to set the time by using the time from the cable signal. Press [Vol ◀/▶] to change the setting.
- ◆ The “GMT Offset” item is only available when “GMT Usage” is set to “On”. Press [Vol ◀/▶] to set the “GMT Offset” value. Every time you press the button the time offset will be increased /decreased by half an hour.
- ◆ Summer: Press [Vol ◀/▶] to switch this function “On” or “Off”.
- ◆ “Date” and “Time” items are only available when the “GMT Usage” is set to “Off”. Press [Vol ◀/▶] to select one item and use number buttons to input time and date directly.
- ◆ Time Display: Press [Vol ◀/▶] to switch this function “On” or “Off”.

NOTE: If the current channel provides the correct time information, you will see the current time after you entered “Local Time Setting” menu. If the channel doesn’t provide time information, you have to input the date and time information manually. Most channels support the time signal.

- ◆ Press [Exit] to leave the “Time” menu.

3. Sleep Timer: Select “Sleep Timer” item and press [OK] to set the sleep timer. You will see “Sleep timer OFF / Sleep timer 10 / Sleep timer 30 / Sleep timer 60 / Sleep timer 90 / Sleep timer 120”.

If you set a sleep time, the system will change to standby mode after the chosen time period.

5.4 OSD Setting

When you select “OSD Setting” you will see a screen like beside:



1. Closed Caption Display: Press [Vol◀/▶] to select “ON” or “Off”. If the current channel has Closed Caption information, it will be displayed. If this function is “Off” subtitles won’t be displayed.
2. OSD Timeout: This setting determines the duration the info window is displayed on the screen when you change channels. Press [Vol◀/▶] to set the time between 1 to 10 seconds.
3. Position: Press [Vol◀/▶] select the position between top and bottom.
4. OSD Transparency: With this parameter you can set the transparency of the menus. Press [Vol◀/▶] select the value between 10%, 20%, 30%, 40% and “Off”(means no transparency function).
5. Logo From USB: Press [Vol◀/▶] to select “Off” and “On”. Set the image as background.
6. Load OSD Setting Default: If you want to reset your OSD settings to the default settings then select this item and press [OK].
7. Press [Exit] button to leave the “OSD Setting” menu.

5.5 Parental Lock

You can set a password for anyone who wishes to operate the “Installation” menu. You can also set the password to lock channels. Below you find how to set and change the password.



1. On “Parental Lock” press [OK] to open a dialogue box and input the password. After you entered the correct password, you will see a screen as shown here.

NOTE: Default password is 0-0-0-0.

2. **Menu Lock:** If Menu Lock is set to “Yes”, then you need to enter the password every time you want to open the menu. If set to “No” then you can open the menu without entering the password first.
3. **Channel Lock:** If set to “Yes”, then you need to enter the password before you can see those channels which have been marked as locked channels in the channel menu. If set to “No” then even those channels can be selected without entering the password first.
4. **New Menu Password:** Here you can change the existing password. You should do this after you set up the receiver the first time and every time you think that your password is known by unauthorized persons. To change the password, enter the new password in the “New Menu Password” item and repeat the same one in the “Confirm Password” item. If the passwords are not identical then you will see a warning message. If you entered the same new password in both fields, then you will see the message “Saving Data, Please Wait...”. From now on you need to use the new password to open locked menus or locked channels.
NOTE: The default password is 0000.
5. “New Chan(channel) Password” operation is same as “New Menu Password” described above.
6. Press [Exit] to leave the “Parental Lock” menu.

5.6 Power setting

When you select this option, you will see a screen like beside:

1. **Automatic Standby:** press [OK] to open the “Automatic Standby” menu.
 - **Automatic Standby:** Press [Vol◀/▶] to select “Off” and “On”.
 - **Time:** Press [Vol◀/▶] to select “1hr” ~ “8hr”.



2. Low Power Consumption: Here you may Enable / Disable the low power consumption mode. This mode provides power savings when the receiver is Stand-by mode.

Press [Exit] button to leave this menu.

6. Tools

When you enter to “Tools” menu, you will see a screen as shown here:

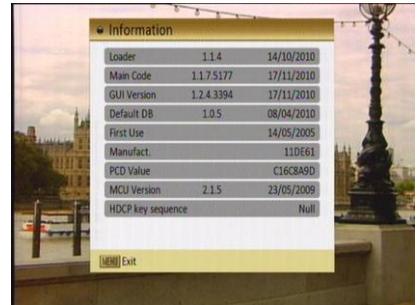
In “Tools” menu:

1. Press [CH▲/▼] to select the wanted item among Information, Quick Setup, Factory Default, Software Upgrade, and CAS.
2. Press [OK] to enter the selected item.



6.1 Information

1. When you are in ‘Tools’ menu, you may press the ‘INFO’ button on remote to see the “Information” menu. The screen displays data about the current channel.
2. Press [Exit] button to leave the information display.



6.2 Quick Setup

When the Settop is first used, use this menu to quickly and easily set the: Menu Language, First Audio, Second Audio, Video Output, Cable Search and Main Menu.



6.3 Factory Default

When you press [OK] on the “Factory Default” item:

1. A dialogue box will occur where you need to enter the password.
2. After you input the correct password a warning message will be displayed like the one beside.

Note: Default password is “0000”.

3. If you select “Yes” then all changes you made will be reset to default values. Make sure you really want to do this.
4. Press [Exit] in both steps will close the window without resetting the receiver.



6.4 Software Upgrade

When you enter to “Software Upgrade” menu, you will see a screen like beside:

1. Press [CH▲/▼] to select the wanted item among USB-STB OTA Upgrade and Net Upgrade.
2. Press [OK] to enter the selected item.



6.4.1 USB-STB Upgrade

This option is for field personnel only.



6.4.2 OTA Upgrade

This function can upgrade the software of your receiver through data sent by your cable provider.

1. Your cable provider may update your STB s/w automatically. Use this menu only if your cable operator requests you do so.



6.5 CAS

When you enter to "CAS" menu, you will see a screen like shown here:

CA Slot

In this option, you can find information about the conditional access system.

Note: Card must be inserted with chip facing up.



7. Media Management

When you enter to “Media Management” menu, you will see a screen like beside:

In “Media Management” menu:

1. Press [CH▲/▼] to select the Media List, Media Control and Disk Information.
2. Press [OK] to enter the selected item.



7.1 Media List

Press [CH▲/▼] to select the desired item partition.

Press [Red] button to open the “Rename” window like showed beside. Press [CH▲/▼] / [Vol◀/▶] to select the leading character of the channel name and press [OK] to confirm it.



If you enter the Media List menu a window like the one below will open.

1. Press [Vol◀/▶] select the all, mp3, image, video, music list, picture list, video list, Record list.
2. You can move the highlighted Record with [CH▲/▼] to preview the highlighted program in the preview window.
3. Press [Menu] or [Exit] buttons to enter TV playing mode.
4. The color buttons offer further functions to manage.



7.1.1 All

[Edit]

Press [Red] button to open the “Edit” window like showed beside.

The color buttons listed on-screen (and correspond to the color buttons on your remote control) offer further functions to manage.



1. Rename

- ◆ Press [Red] button to open the “Rename” window like showed here. Press [CH▲/▼] / [Vol◀/▶] to select the leading character of the channel name and press [OK] to confirm it.
- ◆ After entering the character(s) highlight “OK” in the window and press [OK] on the Remote.
- ◆ Press [Exit] button to close the find window. This will bring you back to the Record list.



2. Delete

In all edit menu press [Green] button will open another window where you can choose between delete one and delete all.

◆ Del One

Press [Red] button to mark a “mp3 / image / video” for deleting. Marked “mp3 / image / video” will be deleted after you confirm to save the changes when you leave this menu.

◆ Del All

- a) Press [Green] button to show a deleting icon behind all “mp3 / image / video” name.



- b) Press [MENU] button you will be asked “Are you sure to save?”. Select “OK” to delete all “mp3 / image / video”. Select “Cancel” to cancel the operation.

3. Move

- ◆ Press [Yellow] button to show a moving icon behind the “mp3 / image / video / folder” name.
- ◆ Move the “mp3 / image / video / folder” to the desired folder list with [CH▲/▼]. Press [OK] to confirm the position.



4. Folder

- ◆ Press [Blue] button to open the “New Folder” window like showed here. Press [CH▲/▼] / [Vol◀/▶] to select the leading character of the folder name and press [OK] to confirm it.
- ◆ After entering the character(s) highlight “OK” in the window and press [OK] on the RCU.
- ◆ Press [Exit] button to close the find window. This takes you back to the Media - All list.



[Add]

In all menu press [Green] button to open another window where you can choose between add one and add all.

◆ Add One

Press [Red] button to mark a “mp3 / image / video” for add. Marked “mp3 / image / video” will be added after you confirm to save the changes when you leave this menu.



◆ **Add All**

- a) Press [Green] button to show a add icon behind all “mp3 / image / video” name.
- b) Press [MENU] button, you will be asked “Are you sure to save?”. Select “OK” to add all “mp3 / image / video”. Select “Cancel” to cancel the operation.

[Find]

Press [Blue] button to open the “Find” window. Press [CH▲/▼] / [Vol◀/▶] to select the leading character of the channel name and press [OK] to confirm it.

After entering the character(s) highlight “OK” in the window and press [OK] on the Remote.

Press [Exit] button to close the find window and this takes you back to the Media-All list.



[play]

The play option offers further functions to manage.

If you enter the play menu a window like the one shown here will open.

The color buttons offer further functions to manage the channel list.

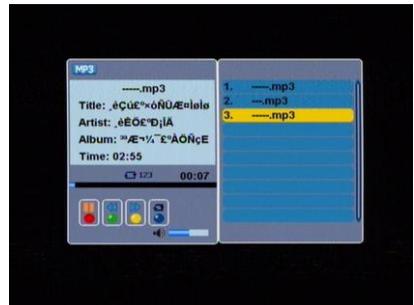
Red: When you play music program; press [Red] will stop the program, press [Red] again will play the program continually.

Green: When you play music program, press [Green] button to rewind the program quickly.

Yellow: When you play music program, press [Yellow] button to fast forward the program.

Blue: Change play mode by [Blue] Key, and play mode include: Sequential / Random / Single repeat / all repeat.

Press [Exit] to return to the previous menu.



7.1.2 Music

Basically the operation of “mp3” is same as “all”.

7.1.3 Picture

Basically the operation of “Picture” is same as “all”, except that in the Yellow buttons offer further functions to manage.

In image menu press [Yellow] button will open another window.

press [Red] to set the image as background.

press [Green] to delete the image as background.



7.1.4 Video

Basically the operation of “video” is same as “all”.

7.1.5 Music List

The color buttons offer further functions to manage.

[Delete]

In media list menu press [Green] button will open another window where you can choose between add one image and add all image.

◆ Del One

Press [Red] button to mark a image for add. Marked image will be add after you confirm to save the changes when you leave this menu.

◆ Del All

- Press [Green] button to show a add icon behind all image name.
- Press [MENU] button you will be asked “Are you sure to save?”. Select “OK” to add all image. Select “Cancel” to cancel the operation.



[Find]

Basically the operation of “Music List → Find” is same as “all → Find”.

7.1.6 Picture List

Basically the operation of “Picture List” is same as “Music List”, except that in the Yellow (Setup) buttons offer further functions to manage.

Press [Yellow] button to open the “Setup” window.

Select the item you want to adjust with [CH▲/▼] and change the value with [VOL◀/▶]

Size: Full and Real.

Time: 0 Sec, 1 Sec, 2 Sec, 3 Sec, 4 Sec, 5 Sec, 6 Sec, 7 Sec, 8 Sec and 9 Sec.

Repeat: On and Off.

Effect: Normal, Shutters, Brush, Slide, Random and Fade.

Mp3: On and Off.



7.1.7 Video list

Basically the operation of “Video List” is same as “Music List”.

7.1.8 Record list

If you enter the Record list menu a window like the one below will open.

The color buttons offer further functions to manage the channel list.



[Rename]

1. Press [Red] button to open the “Rename” window like showed beside. Press [CH▲/▼] / [Vol◀/▶] to select the leading character of the channel name and press [OK] to confirm it.
2. After entering the character(s) highlight “OK” in the window and press [OK] on the RCU.
3. Press [Exit] button to close the find window and brings you back to the Record list.



[Lock]

In channel Record menu, press [Green] button to place a lock icon behind the name of the highlighted Record. Marked Records will be locked and displayed only after password has been entered if you confirm to save the changes when you leave this menu.



[Copy]

In channel Record menu, press [Yellow] button copy the recorded program to another disk.

Press [Vol ◀/▶] to switch select copy path, Select "OK" to add all images. Select "Cancel" to cancel the operation.



[Delete]

In channel Record menu, press [Red] button will open another window where you can choose between add one image and add all images.

◆ Del One

Press [Red] button to mark an image for add. Marked image will be add after you confirm to save the changes when you leave this menu.

◆ Del All

- Press [Green] button to show a add icon behind all image name.
- Press [MENU] button you will be asked "Are you sure to save?". Select "OK" to add all images. Select "Cancel" to cancel the operation.



7.2 Media Control

1. **Reserved TMS Size:** Press [Vol◀/▶] to switch between “0 MB / 200 MB and 500 MB”.

Select “MENU / EXIT”, press [MENU / EXIT] to reset to make tms size valid now. Select “Cancel” press [OK] to cancel the operation.

2. **Jump Step Value:** Press [Vol◀/▶] to switch between “1 mins / 3 Mins / 5 Mins / 10 Mins / 15 Mins”.

The value control the step of |◀◀/▶▶| operation.

3. **Record Type:** Press [Vol◀/▶] to switch between “TS and PS”.
4. **Disk:** Press [Vol◀/▶] to switch between /C /D.....
5. **Format Disk:** If you want to delete the hard disk totally, you can do it with the [OK] Button Format and the hard disk will be completely erased.

Caution: This process will delete also saves you have made with Backup tools.



7.3 Disk Information

1. When you select the “Disk Information” menu you will see a screen like shown here. The screen displays data about the current HDD.
2. Press [Exit] button to leave the information display.



8. Technical Specification

VIDEO

Decoding	MPEG4 / H.264 and MPEG-2 compatible
Output	NTSC/480P/720P/1080i
Aspect ratio	4:3PS, 4:3LB, 16:9, Auto

AUDIO

Decoding	MPEG-2/MPEG-1 layer I & II, AAC, Dolby AC3
Sampling rate	32 / 44.1 / 48

DEMODULATOR

Demodulation	16~ 256 QAM, Annex B
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INPUT SIGNAL

RF Input	Type F; 75 Ohms
Frequency	54MHz ~ 864MHz
Input level	-20dBmV -20dBmV

OUTPUT Connections

V/L/R	Composite Video and analog L/R audio
YPbPr	Component Video
HDMI	Version 1.2, with HDCP v1.3c

MISCELLANEOUS

Supply voltage	120VAC 60Hz
Power consumption	Max. 20 watts
Operation temperature	+5° to +40°
Storage temperature	-20° to +70°
Dimension (W * D * H)	310 * 260 * 65 mm
Weight	2.0 Kg