OWNER'S MANUAL
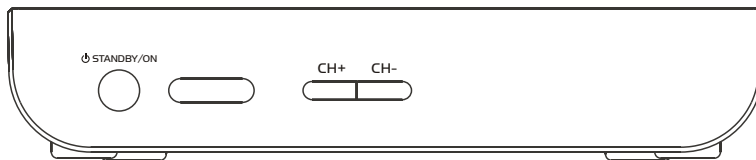
MODEL: DTV-2000

Ⓝ **Please read all warnings and instructions carefully before operating this unit.**

TABLE OF CONTENTS

The lightning flash with arrowhead symbol, within an equilateral triangle, 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.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

The symbol for CLASS II (Double Insulation).

WARNING: **TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE, DANGEROUS HIGH VOLTAGES ARE PRESENT INSIDE THE ENCLOSURE. DO NOT OPEN THE CABINET, REFER SERVICING TO QUALIFIED PERSONNEL ONLY.**

CAUTION: When replace the direct plug in power supply or a separable, cord-connected power supply, the replacement must be exact duplicate, or one recommended by the manufacturer.

TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

Disposal of your old appliance
● When this crossed-out wheeled bin symbol is attached to a product, it means the product is covered by the European Directive 2002/96/EC.
● All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
● The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.
● For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service or the shop where you purchased the product.

IMPORTANT SAFETY INSTRUCTIONS and FEATURES

Please read the following recommended instructions carefully to avoid the risk of your physical injury before the product is operated.

Do not cover the receiver and keep clear space around the receiver for sufficient.

Check the receiver's operation voltage DC 7.5V/1.5A,8W.
Keep liquid away from the receiver.
The receiver shall not be exposed to dripping or splashing and no objects that filled with liquid shall not be placed on the receiver.

Unplug the receiver from the wall outlet before cleaning.
Use a soft cloth and a mild solution of washing-up liquid to clean the casing.

Do not block the receiver's ventilation slots which are provided for ventilation and protection from overheating. Please maintain the receiver in a free airflow.

Do not allow the receiver to be exposed to hot, cold or humid condition.

Do not use any cable and attachment that are not recommended as these may damage your equipment.

Please unplug the receiver from the wall outlet and disconnect the cable between the receiver and the antenna when you will not use it for long time

Do not remove the cover to reduce the risk of electric shock.

Do not attempt to service the receiver yourself.
Refer all serving to qualified service personnel.

The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases.

The socket-outlet shall be installed near the equipment and shall be easily accessible.

FEATURES

- Receives ATSC Terrestrial broadcast Channels 2-69
- Decodes all 18 ATSC DTV standard formats
- EIA 608 and 708B Closed Caption
- Parent control
- Electronic Program Guide (EPG)
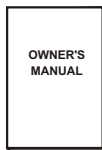- Favourite channel edit
- Analog pass through

ACCESSORIES

■ **Audio/Video cable 1**
■ **Remote control 1**
■ **Owner's manual 1**
■ **RF cable.......................................1**

OWNER'S
MANUAL

ATSC

Audio/Video cable   Owner's manual   Remote control   RF cable
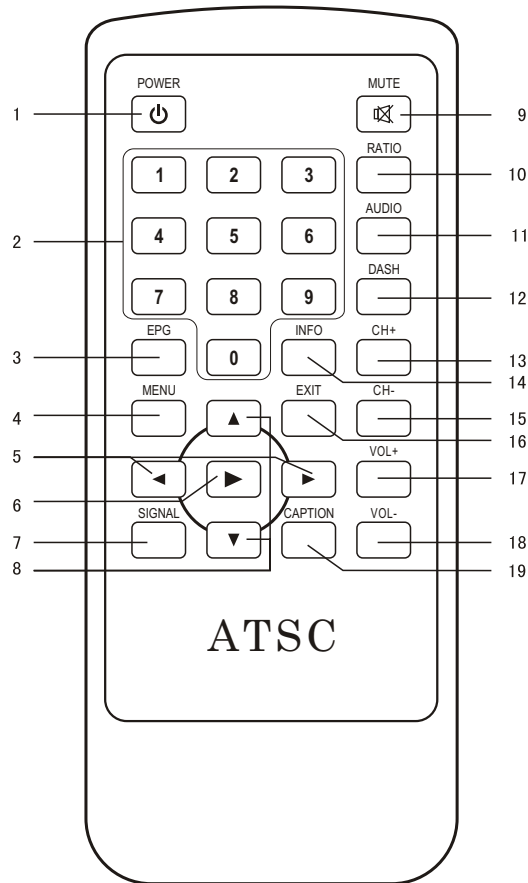
Loading Battery

1. Open the cover.

2. Insert battery.
   Make sure to match the + and - on the
   battery to the marks inside the battery compartment.

3. Close the cover.

Notes on battery

• Pls take out the insulated plastic piece,when you use the remote first time.

• Do not insert battery into the remote control in the wrong direction.

• Do not charge, heat, open, or short-circuit the battery . Do not throw battery into a fire.

• If the remote control does not function correctly or if the operating range becomes reduced, replace all battery with new ones.

• Improper replacement of battery may result in explosive hazard. It will be replaced only by battery with the same or equivalent type.
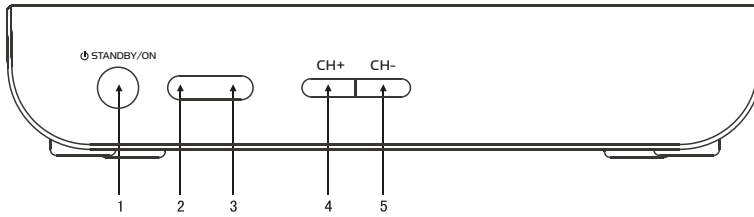
POWER
1

MUTE
9

1 2 3

RATIO
10

2

4 5 6

AUDIO
11

7 8 9

DASH
12

EPG
3

0

INFO
14

CH+
13

MENU
4

EXIT
16

CH-
15

5

▲

6

◄ ► ►

VOL+
17

SIGNAL
7

CAPTION
19

VOL-
18

8

▼

ATSC

1. POWER(⏻)

   Switches the receiver between operation and standby mode.

2. Numeric buttons

   Selects the TV or Radio service channels and individual menu.

3. EPG(Electronic Program Guide)

   Displays the TV or Radio program guide.

4. MENU

   Displays the main menu on screen.

5. ◄ ►

   Moves the item to left or right in menu.

6. ►

   Executes the selected item and displays channel lists when you watching a channel.

7. SIGNAL

   Displays the program signal strange and quality.

8. ▲▼

   Moves the item to up or down in menu.

9. MUTE

   Enables or disables the audio.

10. RATIO

   Switches picture ratio.

11. AUDIO

   Changes the audio languages(if programs support these languages).

12. DASH

   Switches the repertoire in one channel(if one channel have more than one repertoire).

13. CH+

   Changes channels.

14. INFO

   Displays the program information box on the screen.

15. CH-

   Changes channels.

16. EXIT

   Returns to the previous menu or normal viewing mode from a menu.

17. VOL+

   Adjusts the volume.

18. VOL-

   Adjusts the volume.

19. CAPTION

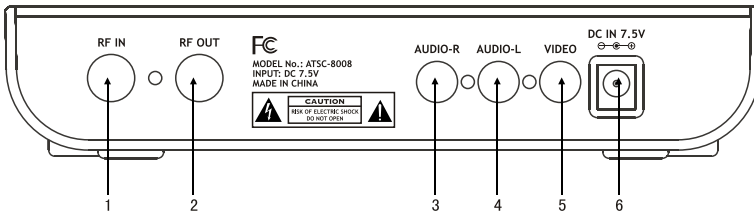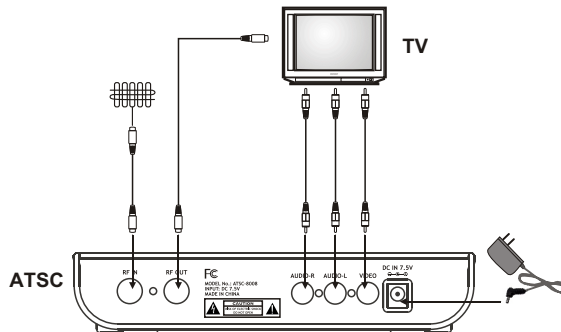   Switches the subtitles(if programs support these caption).

FRONT PANEL

⏻ STANDBY/ON   CH+   CH-

1   2   3   4   5

1. STANDBY   3. REMOTE CONTROL SENSOR
2. INDICATION LIGHT   4. CHANNEL+
                              5. CHANNEL-

REAR PANEL

RF IN   RF OUT   FC   MODEL No.: ATSC-8008   AUDIO-R AUDIO-L VIDEO   DC IN 7.5V
                         INPUT: DC 7.5V
                         MADE IN CHINA

⚠ CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN ⚠

1   2   3   4   5   6

1. RF INPUT   4. AUDIO-L OUTPUT
2. RF OUTPUT   5. VIDEO OUTPUT
3. AUDIO-R OUTPUT   6. DC IN

BASIC CONNECTION

TV

ATSC   RF IN RF OUT FC MODEL No.: ATSC-8008   AUDIO-R AUDIO-L VIDEO DC IN 7.5V
                           INPUT: DC 7.5V
                           MADE IN CHINA
                           CAUTION
                           RISK OF ELECTRIC SHOCK
                           DO NOT OPEN

OVERVIEW OF MENU

ATSC-F005 has three main menu icons to enable you to perform the various tasks.

A-1 Channel Scan
A-2 Channel Add
A-3 Channel Edit
A-4 Manual Scan
A-5 Smart Antenna

B-1 Clock
B-2 Aspect Ratio
B-3 language
B-4 Audio Language
B-5 Caption Select
B-6 DCC View
B-7 Sleep Mode
B-8 Output Channel

C-1 Lock System
C-2 Set Password
C-3 Block Channel
C-4 TV Rating-Children
C-5 TV Rating-General
C-6 Movie Rating
C-7 Downloadable RRT
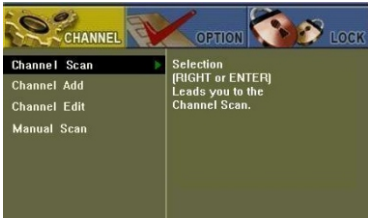
Using the On-Screen Display(OSD) Menu

1. Press '**MENU**' to display the OSD menu.
2. Press '**MENU**' or '**EXIT**' to close the menu.
3. Use the '**LEFT**' or '**RIGHT**' to highlight the desired content.
4. Use '**DOWN**' to scroll down to a corresponding function.
5. If no buttons are pressed, the menu closes automatically after 60 seconds.

6. Use '**UP**' or '**DOWN**' to scroll through to a corresponding function.

A-1. Channel Scan

1. Press '**DOWN**' in the '**CHANNEL**' icon.
2. Press '**RIGHT**' or '**ENTER**' to start channel scanning automatically.
3. If you want to stop the Channel Scan during scanning, press '**MENU**' or '**ENTER**'.
4. When Channel Scan is done, the 'completed channel scan' screen will appear.
5. Press '**ENTER**' or '**MENU**' to return the previous menu.

A-2. Channel Add

1. Go to 'Channel Add' using '**DOWN**' or '**UP**'.
2. Press '**RIGHT**' or '**ENTER**' to start adding the channels.
3. If a channel is already scanned by Channel Scan, or stored in channel list, it skips that channel.
4. If you press '**MENU**' or '**ENTER**' to stop this operation, the 'Canceled channel add' screen will appear.
5. Press '**ENTER**' or '**MENU**' to return the previous menu.

A-3. Channel Edit

1. Press '**RIGHT**' or '**ENTER**' on the menu 'Channel Edit'.
2. Press '**UP**' or '**DOWN**' to move to the desired channel.
3. Press '**OK**' to add or delete the channel on your channel list.
4. Press '**ENTER**' or '**MENU**' to return the previous menu.

A-4. Manual Scan

1. Press '**RIGHT**' or '**ENTER**' on the menu 'Manual Scan'.
2. Press '**UP**' or '**DOWN**' to move to the specific channel.
3. You can view the signal strength meter to help you adjust your antenna system.
4. Press '**OK**' to add or delete the channel on your channel list.
5. Press '**ENTER**' or '**MENU**' to return the previous menu.

A-5. Smart Antenna (Optional)

1. Press '**RIGHT**' or '**ENTER**' on the menu 'Smart Antenna' to enable or disable the smart antenna function.
2. Press '**UP**' or '**DOWN**'.
3. Press '**ENTER**' or '**MENU**' to return the previous menu.

* What is the Smart Antenna?
  - EIA/CEA-909 standard defines the interface between the TV receiver's antenna controller and the internal controller of the antenna.
  - If Smart Antenna is ON, the antenna controller automatically decides and stores the antenna's optimum control state to each channel.
  - If ON, the scanning time takes more time than the normal scanning.

B-1. Clock

1. The current time will be automatically set by DTV channel.
2. The correct time zone must be set for all other functions to work properly.(Guide, Info, Channel banner, etc)
3. Press '**RIGHT**' or '**ENTER**' on the menu 'Clock' to highlight the 'Time Zone' icon.
4. Press '**LEFT**' or '**RIGHT**' to change the area you are in.
5. Time zone sequence :
   Eastern Central Mountain Pacific Alaska Hawaii New F. Land Atlantic
6. Press '**ENTER**' or '**MENU**' to return the previous menu.

B-2. Aspect Ratio

1. Press '**RIGHT**' or '**ENTER**' on the menu 'Aspect Ratio' to select the display mode.
2. Press '**UP**' or '**DOWN**' to select an available mode.
3. According the highlighted mode, the display format will be changed.
4. Press '**ENTER**' or '**MENU**' to return the previous menu.

B-3. Language

1. Press '**RIGHT**' or '**ENTER**' on the menu 'Language' to change the menu language display.
2. Press '**UP**' or '**DOWN**' to select a menu language.
3. According the highlighted language, all the menu display will be changed.
4. LGDT1111 supports :
   English, Spanish, and French.
5. Press '**ENTER**' or '**MENU**' to return the previous menu.

B-4. Audio Language

1. Press '**RIGHT**' or '**ENTER**' on the menu 'Audio Language' to select an available audio language.
2. Press '**UP**' or '**DOWN**' to select your default language.
3. Press '**ENTER**' or '**MENU**' to return the previous menu.

* If there are other audio languages, then the primary audio language of the channel will be heard.

B-5. Caption Select

1. Go to 'Caption Select' using '**DOWN**' or '**UP**'.
2. Press '**RIGHT**' or '**ENTER**' to select Caption Options.
3. Go to 'ACC' if you want to display EIA-608 Caption.
4. Go to 'DCC' if you want to display EIA-708 Caption.
5. Select '**Standard**' to see DCC.
6. Select '**Custom**', if you want to customize DCC look on DCC View Menu.
7. Press '**ENTER**' or '**MENU**' to return the previous menu.

B-6. DCC View

1. If DCC Custom Mode is selected, .
2. Press '**RIGHT**' or '**ENTER**' to select DCC View Options.
3. Go to 'Font Size' if you want to change is font size of DCC Font.
4. Go to 'Font Type' if you want to change is font type of DCC Font.
5. Go to 'Text Color' if you want to change is text color of DCC Font.
6. Go to 'Text Opacity' if you want to change is text opacity of DCC Font.
7. Go to 'BG Color' if you want to change is background color of DCC Font.
8. Go to 'BG Opacity' if you want to change is background opacity of DCC Font.
9. Go to 'Edge Color' if you want to change is edge color of DCC Font.
10. Go to 'Edge Type' if you want to change is edge type of DCC Font.
11. Press '**ENTER**' or '**MENU**' to return the previous menu.

B-7. Sleep Mode

1. Go to 'Sleep Mode' using '**DOWN**' or '**UP**'.
2. Press '**RIGHT**' or '**ENTER**' to select Sleep Mode Options.
3. Select '**Off**' to turn off Automatic Sleep.
4. Select appropriate time to Automatically turn off TV.
5. Press '**ENTER**' or '**MENU**' to return the previous menu.
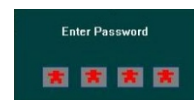
B-8. Output Channel *(Optional)*

1. Go to 'Output Channel' using '**DOWN**' or '**UP**'.
2. Press '**RIGHT**' or '**ENTER**' to select Output Channel Options.
3. Select appropriate channel to TV.
4. Press '**ENTER**' or '**MENU**' to return the previous menu.

C-0. Lock

1. Press '**MENU**' button.
2. Press '**LEFT**' or '**RIGHT**' button on remote controller to highlight the "**LOCK**" icon and press '**DOWN**' button. Password prompt window will appear.
3. Enter your 4-digit Password by pressing the **NUMBER** buttons on the remote controller. The default code is "**0000**" and the MAGIC code is "**7777**".
4. If you enter Magic code, 'Enter Password' prompt menu will appear. Enter and re-enter your new 4-digit password by pressing the **NUMBER** button on the remote controller.

C-1. Lock System

1. Press '**DOWN**' or '**UP**' button on the remote control to highlight "**Lock System**" and press '**ENTER**' or '**RIGHT**' button to change setting.
2. If you want to use the rating control, "**On**" should be checked. Or If you don't want to use the rating control, "**Off**" should be checked.

C-2. Set Password

1. Press '**DOWN**' or '**UP**' button on the remote control to highlight "**Set Password**" and press '**ENTER**' or '**RIGHT**' button to change setting. Password prompt menu will appear.
2. Enter and re-enter your new 4-digit password by pressing the **NUMBER** button on the remote controller.

C-3. Block Channel

1. Press '**DOWN**' or '**UP**' button on the remote controller to highlight "**Block Channel**" and press '**ENTER**' or '**RIGHT**' button to change setting. Antenna Channels menu will appear.
2. Press '**DOWN**' or '**UP**' button on the remote control to highlight channel and press '**ENTER**' button to block or unblock channel.

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C-4. TV Rating - Children

1. Press '**DOWN**' or '**UP**' button on the remote controller to highlight "**TV Rating - Children**" and press '**ENTER**' or '**RIGHT**' button to change setting.
2. Press '**DOWN**' or '**UP**' button on the remote controller to highlight "**Age**" or "**Fantasy Violence**" and press '**ENTER**' or '**RIGHT**' button to change setting. Blocking menu window will appear.
3. Press '**DOWN**' or '**UP**' button on the remote control to select block level or unblocking.

C-5. TV Rating - General

1. Press '**DOWN**' or '**UP**' button on the remote controller to highlight "**TV Rating - General**" and press '**ENTER**' or '**RIGHT**' button to change setting.
2. Press '**DOWN**' or '**UP**' button on the remote controller to highlight "**Age**", "**Dialogue**", **"Language"**, **"Sex"**, **or "Violence"**, and press '**ENTER**' or '**RIGHT**' button to change setting. Blocking menu window will appear.
3. Press '**DOWN**' or '**UP**' button on the remote control to select block level or unblocking.

C-6. Movie Rating

1. Press '**DOWN**' or '**UP**' button on the remote controller to highlight "**Movie Rating**" and press '**ENTER**' or '**RIGHT**' button to change setting.
2. You can see the MPAA blocking menu window.
3. Press '**DOWN**' or '**UP**' button on the remote controller to highlight "**G**", "**PG**", **"PG-13"**, **"R"**, **"NC-17", or "X"**, and press '**ENTER**' or '**RIGHT**' button to change setting.
4. Press '**ENTER**' or '**MENU**' to return the previous menu.

C-7. Downloadable RRT

1. Press '**DOWN**' or '**UP**' button on the remote controller to highlight "**Downloadable RRT**" and press '**ENTER**' or '**RIGHT**' button to change setting.
2. Before the **US RRT 0x05** is downloaded to the system, the empty 'Region Rating Table' may appear.
3. If the **US RRT 0x05** is downloaded, the Dimension list may appear as follows.
4. Press '**DOWN**' or '**UP**' button on the remote controller to highlight a dimension that you want to block, and press '**ENTER**' or '**RIGHT**' button to change setting. Rating value menu window will appear.
5. Press '**DOWN**' or '**UP**' button on the remote control to select block level or unblocking.

Please check the following guide for the possible cause and solution for a problem before contacting the nearest service center or dealer for repairs.

SYMPTOMS AND CORRECTIONS

SYMPTOMS	CORRECTIONS
Nothing appears on the front panel no power supply	Check that the power cable is plugged into the power socket.
No picture	-Check the dish and adjust it. -Check the cable connection and correct it. -Get out of UHF mode. -Check channel and video output.
No sound	-Check the volume level of the TV and receiver. -Check the mute status of TV and receiver. -Check the cable connection and correct.
Remote Control Unit dose not work	-Replace batteries. -Aim the remote control unit directly to the receiver. -Checking that nothing blocks the front panel.
Service is not running or scrambled	-Check the Conditional Access Module are appropriate for the selected service. -Check the Conditional Access Module are correctly inserted or not.
"No Signal" on the screen	-Check the signal strength and the signal quality in the menu. -Check the Antenna and replace the Antenna if necessary. -Check the cable.
You have forgotten your secret PIN Code	Contact your Service Provider.

TUNER & DEMODULATOR

ATSC	Channel 2-69
NTSC	Channel 3/4
NTSC	Analog pass through

MPEG

Transport Stream	MPEG-2 ISO/IEC 13818 Transport Stream Specification
Video	MPEG-2 MP@ML
Audio	MPEG-1/2 Audio Layer 1,2
Aspect Ratio	4:3/16:9
Video Resolution	720x480(NTSC)
Audio Mode	Stereo, Dual Mono, Mono
Audio Sampling Frequency	32/44.1/48KHz

POWER SUPPLY

Input Voltage	DC 7.5V/1.5A
Power Consumption	Max. 8W
Operating Temperature	0°C~40°C
Storage Temperature	-40°C~65°C

FRONT

Indicators	1 LED (2 Colors)
Number of Keys	3

REAR

Power Hole	DC IN
Tuner	ATSC Input, NTSC Output
RCA	3 [1 Video, 2 Audio (Left, Right)]