WARNING/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 uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk 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.

FCC

This device complies with Part15 of the FCC Rules. Operation is subject to the following two condition: (1)this device may not cause harmful interference,and (2) this device must accept any interference received,including interference that may cause undesired operation.

NOTICE

Please be aware that new software may change the functionality of the STB. The photo and the function explanation involved in this specification is for reference only. If there is any mistake, please refer to the entity.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

SAFETY INSTRUCTIONS

Please read these safety instructions through carefully, before operating the receiver. Please observe all warnings and instructions on the equipment and contained in these operating instructions.

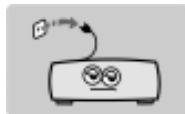Be sure to read this user's manual before starting your operation.

Install the unit horizontally. Unbalanced installation may cause the unit to be damaged by itself.

Never open the cover. It is very dangerous to touch the inside of the unit due to possible electric shock.

Do not put heavy objects on the unit.

When you don't use this unit for a long time, please pull the power cord from the outlet. Also do not use a damaged power cord.
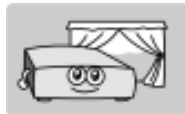
When the unit is suddenly moved to a hot area from a cold area, it may cause problems. In that case, turn off the power, and turn on after 1-2 hours.

Do not touch the power withwet hand. If there is liquid flowing into the unit, pull out the power cord immediately because it may cause fire or electric shock.

Install the unit in a place with:
good ventilation
suitable temperature
no direct sunrays
low humidity
low vibration influence

Place the unit in a well ventilated and no heat environment.

Table of Contents

GENERAL INFORMATION

Incorporating the highly integrated single chip, the receiver is a cost-effective and high performance digital ATSC converter box. The receiver provides FTA (Free-To-Air) channels with user-friendly OSD (On Screen Display)

1. Main Features

❖ Fully ATSC / MPEG -2 HD compliant

❖ Receives HD ATSC Terrestrial broadcast Channels 2-69

❖ Decodes all 18 ATSC DTV standard formats

❖ 256 colors on screen display (OSD) supported

❖ 7 days Electronic Program Guide (EPG)

❖ Teletext output through VBI and OSD

❖ Multi-language OSD (English, French, Spanish)

❖ Multi-language audio supported

❖ Multi-language Subtitle output supported

❖ EIA 608 Closed Caption

❖ Parent control (V-chip)
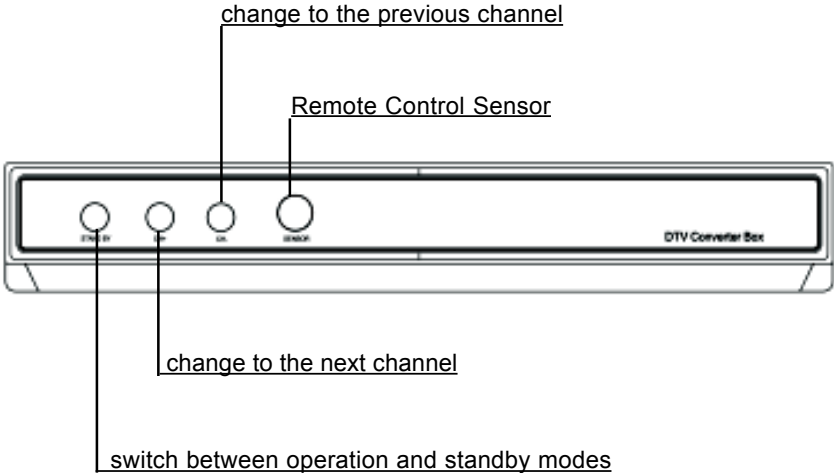
2. Unpacking

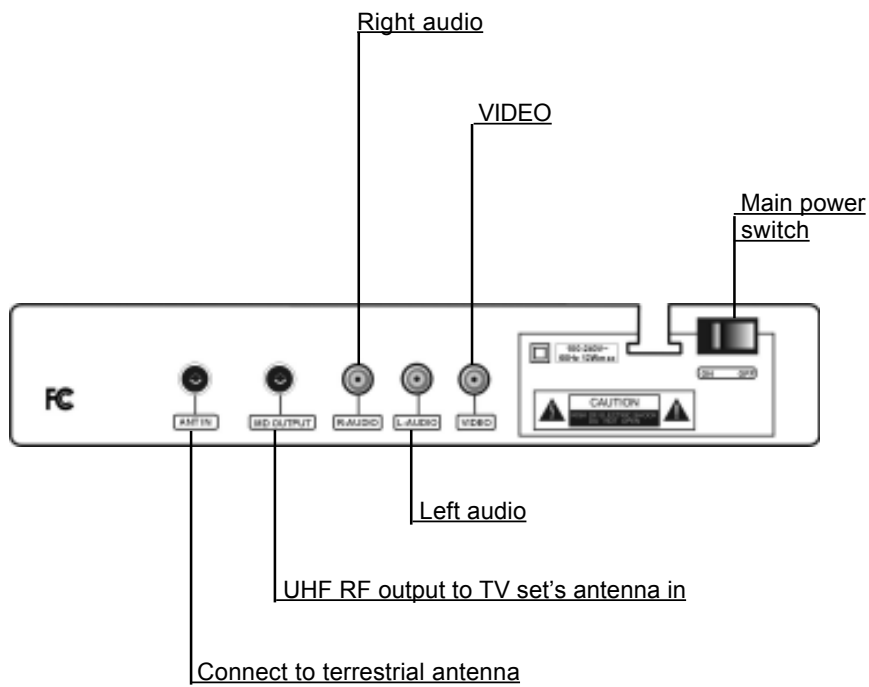Unpack the receiver and check to make sure that all of the following items are included in the packaging.

❖ 1 x Remote Control Unit
❖ 1 x User's Manual
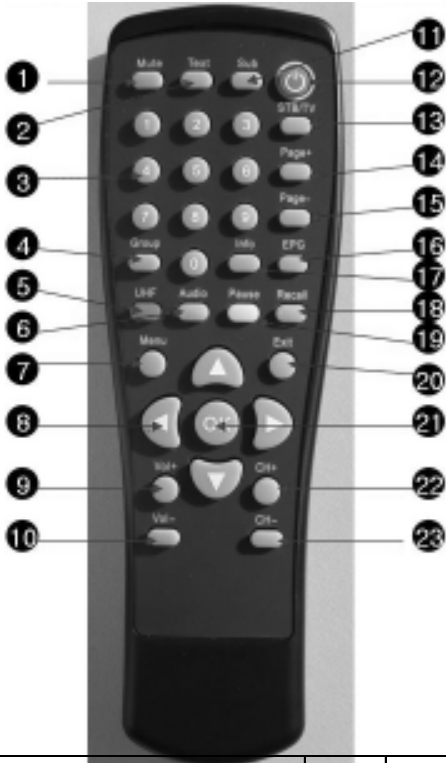❖ 1 x Digital Terrestrial Receiver

OVERVIEW OF THE EQUIPMENT

1. Front Panel

change to the previous channel

Remote Control Sensor

change to the next channel

switch between operation and standby modes

2. Rear Panel

Right audio

VIDEO

Main power switch

AMT IN | MD OUTPUT | R-AUDIO | L-AUDIO | VIDEO | CAUTION

Left audio

UHF RF output to TV set's antenna in

Connect to terrestrial antenna

3. Remote Control Unit

|	Function		Function
1	MUTE	13	Signal Strength
2	CC	14	Page+
3	Numeric Key	15	Page-
4	Reserved for future use	16	GUIDE
5	Sleep Mode	17	INFO
6	AUDIO	18	Flash Back
7	MENU	19	RATIO
8	ARROW	20	EXIT
9	VOL+	21	OK
10	VOL-	22	CH+/Page+
11	DASH(-)	23	CH-/Page-
12	STANDBY		

4. Installation of STB

This section explains the installation of the STB. If you need any assistance for specific equipment connection, please contact your local dealer.

4.1 Connecting to TV using RCA Support
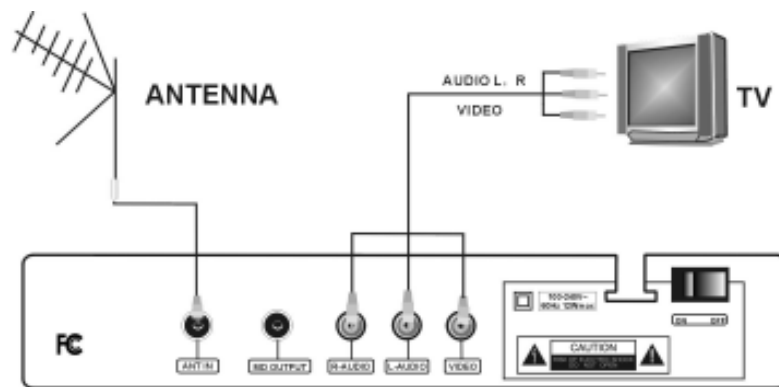
4.2 Connecting to TV using RF Support
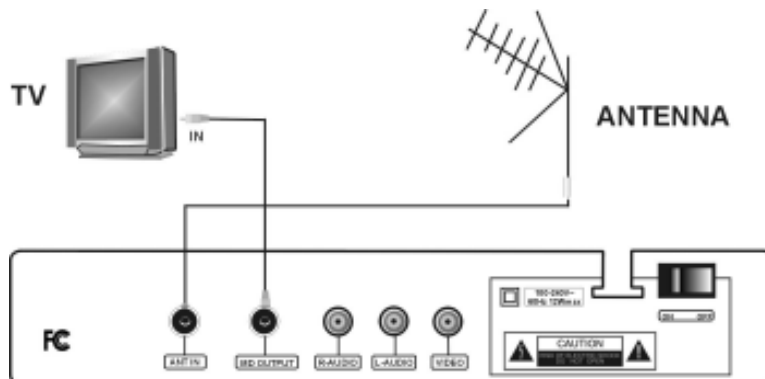
FIRST STEPS

Insert the receiver's plug in the power socket.
the receiver starts up in Standby mode. On the display the current time is shown.

Insert the plugs of the auxiliary equipments in the power socket and switch them on.

Select the AV channel on the TV set.
The receiver is delivered with pre-programmed TV channels and can be used immediately. To see if there are any new channels, then activate the channel search.

Caution!
Check the connections of all equipment and the antenna are in working order before connecting the receiver to the power source.

MENU INFORMATION

The user interface has various ways to navigate through the menus and functions. Some of the keys on the remote control unit give direct access to functions. The most important keys are identified as EPG, colored keys, MENU and OK. Other keys are multi-functional which means that their function changes dependent of the mode that you are in.
Unless otherwise specified; this note explains the way you can navigate through the pages of the user menu.
1. Use the ◀ ▶ keys to move the cursor left or right from one line to another line.
2. Use the ▲ ▼ keys to move the cursor up or down in the sub-menu.
3. Use the OK key to enter the sub-menu.
4. Use the EXIT key to leave the menu and return to the view mode.
5. In a sub-menu:
-use the OK key to confirm the selection;
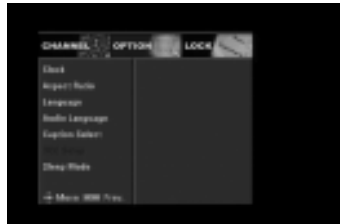-the green or white bar indicates the active selection

ON SCREEN MENUS SELECTION

1. Main Menu

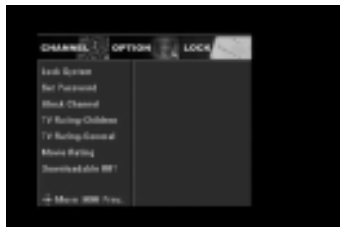Pressing the MENU key will display the Main Menu. This menu provides three options.
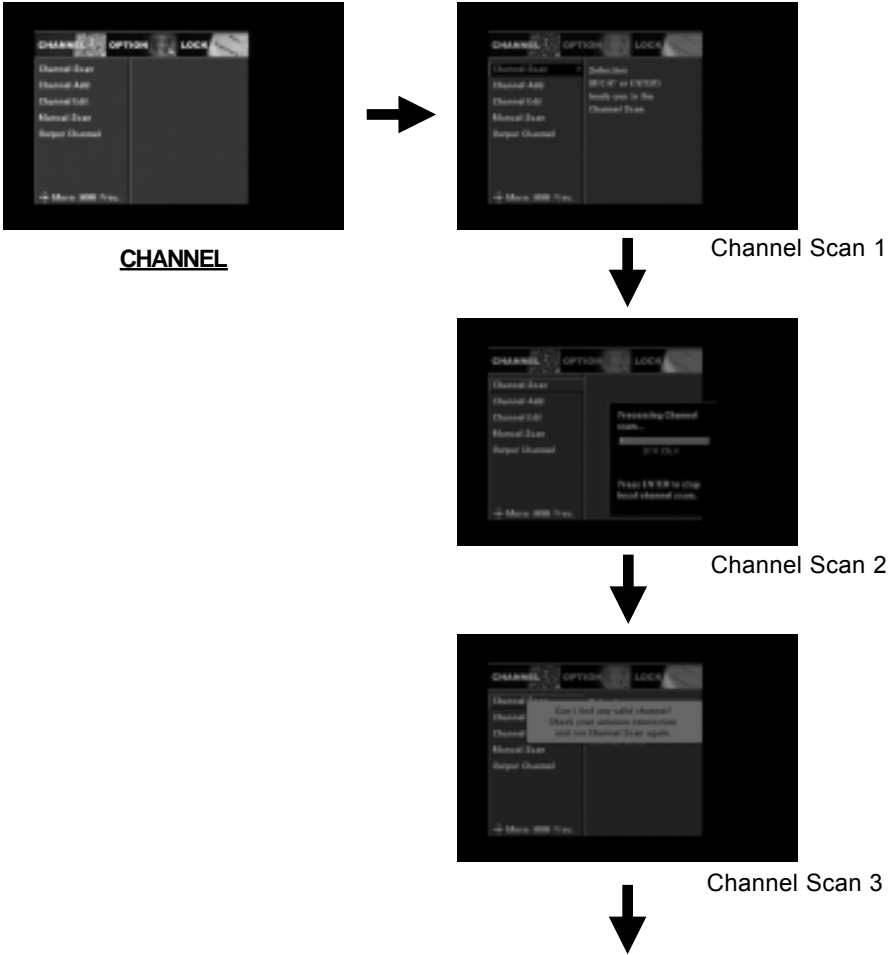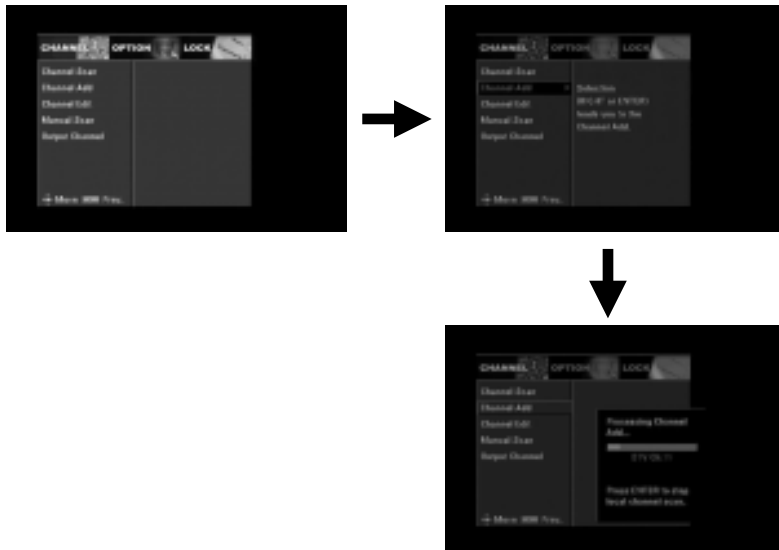
CHANNEL
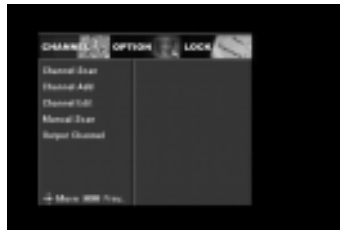
OPTION

LOCK

2. Channel

1.1 Channel Scan

From here, select key or OK key to scan the channels.
During the searching process, OK key is used to cancel the whole process.

CHANNEL

Channel Scan 1

Channel Scan 2

Channel Scan 3

1.2 Channel Add

key or OK key to lead you to the channel add.

1.3 Channel Edit

Press OK to delete or add the selected channel.

1.4 Manual Scan

In this mode, only one RF channel can be searched. You can use the function to scan the desired channels. Press keys to select the RF-channel number.
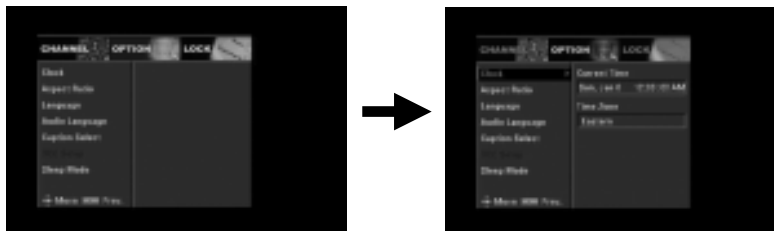

1.5 Smart Antenna

Select CH2 or CH3.

2. OPTION

2.1 Clock

Current Time: Displays the current time.
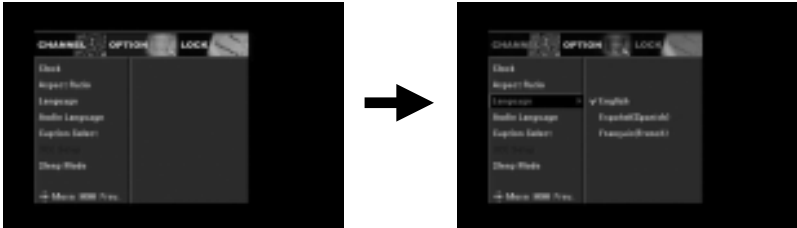**Time Zone:** Select proper option according to the time zone you have been.

2.2 Aspect Ratio

This option allows you to select the aspect ratio of the video output.

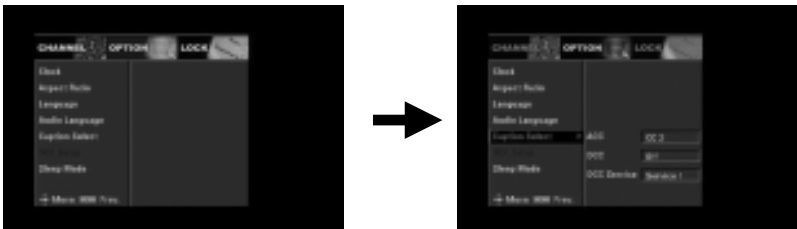## 2.3 Language

Select the desired language for menu.

2.4 Audio Language

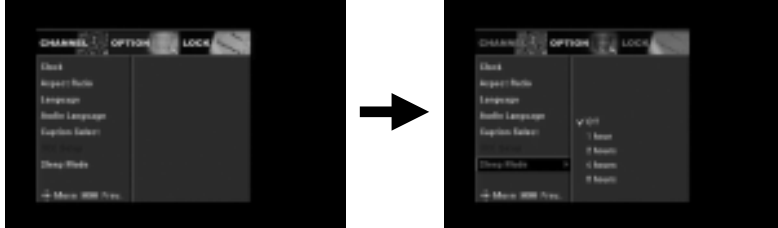This option allows you to select your first and second choice for the audio language.

2.5 Caption Select

Select the desired option for caption.

2.6 Sleep Mode

Sets the time after which the receiver switches itself off.

3. LOCK

3.1 Lock System

Select On or Off. If On is selected, a password is needed before you entering the menu.

3.2 Set Password

Enter a new password at the "New" item.
Enter the new password again to confirm.

3.3 Block Channel

Select the desired channel you want to lock and press OK to confirm.

3.4 TV Rating-Children

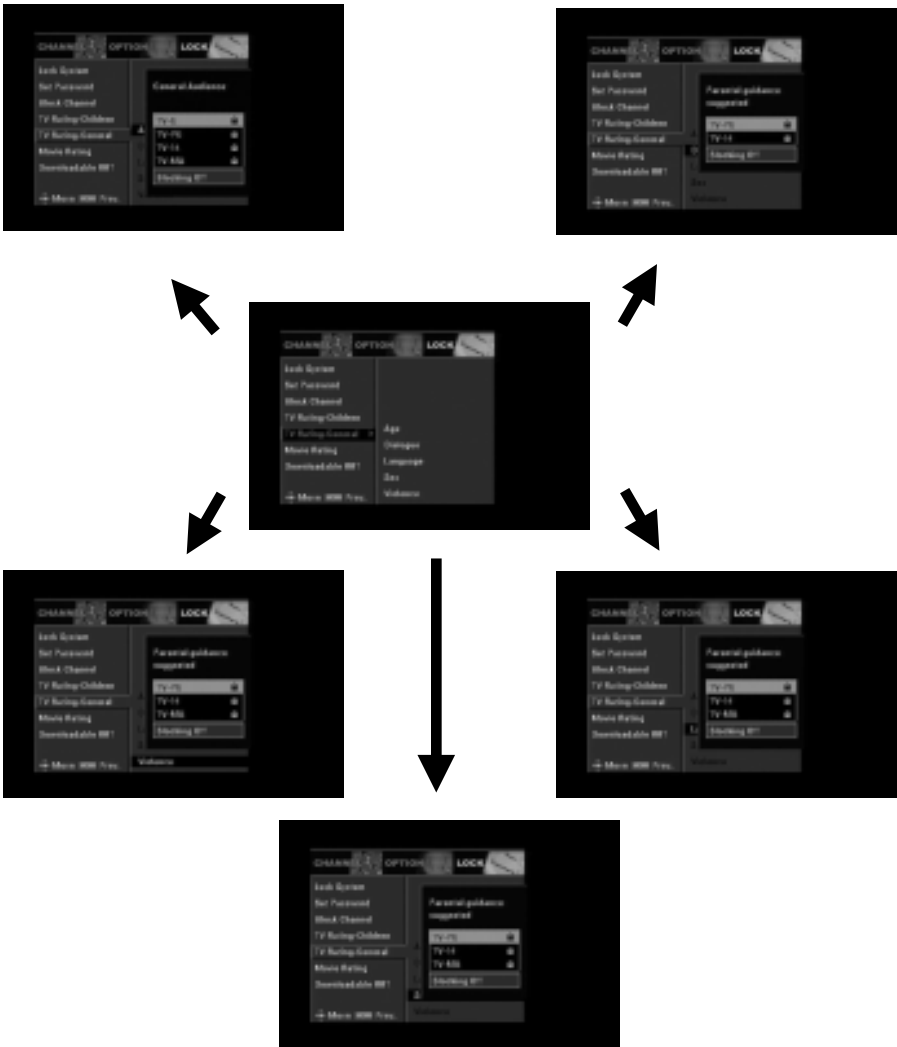This feature allows you to prevent children from watching channels.
Age: TV-Y, TV-Y7 and Blocking Off.
Fantasy Violence: Select TV-Y7 or Blocking Off.

3.5 TV Rating-General

Age: TV-G, TV-PG, TV-14, TV-MA and Blocking Off.
Dialogue: TV-PG, TV-14, TV-MA and Blocking Off.
Language: TV-PG, TV-14, TV-MA and Blocking Off.
Sex: TV-PG, TV-14, TV-MA and Blocking Off.
Violence: TV-PG, TV-14, TV-MA and Blocking Off.
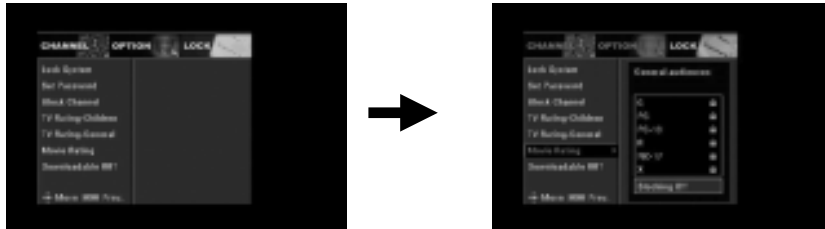
3.6 Movie Rating

G:General audiences.
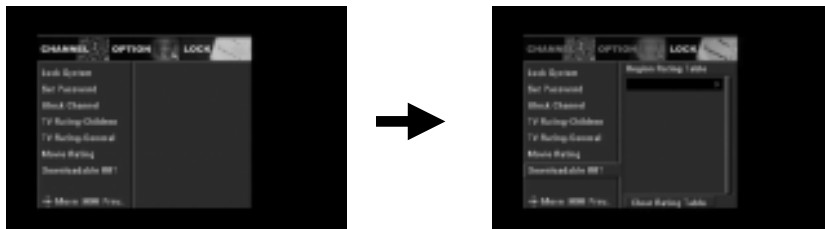PG: Parental guidance suggested.
PG-13: Parents strongly cautioned.
R: Restricted.
NC-17: No one 17 and under admitted.
x:Adult only

3.7 Downloadable RRT(Region Rating Table)

TECHNICAL SPECIFICATION

TUNER	ATSC
Input frequency	54 ～ 864MHz
Bandwidth	6M
Input level	-84 ～ 0dBm
Input impedance	75Ω
Signal Input:	IEC Female(RF IN),IEC Male(RF OUT)

TROUBLE SHOOTING

Note : If you cannot solve the problem by referring to the above trouble shooting, please contact your re-seller.

Problem	Possible Causes	What To Do
The display on the front panel does not light up.	Main cable is not connected.	Check that the main cable is plugged into power socket.
No sound and picture, but the front panel shows time.	The unit is in standby mode.	Press the ⏻ key on the RCU.
No sound or picture.	Poor signal quality or bad interconnections	Check the antenna system Check cable connections.
Bad picture/ Blocking error.	Signal is too strong.	Try a signal attenuator to the RF IN port.
There is interference on your digital terrestrial channel.	The system is connected using RF leads and the output channel of the receiver interferes with an existing terrestrial channel or Video signal.	Change the receiver output channel to a more suitable channel.
The RCU is not working.	Battery exhausted.	Change the battery.