

**E M C**

**STB - 100H**

**DIGITAL CABLE RECEIVER  
USER'S MANUAL**

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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.

Modifications not expressly approved by the manufacturer could void the user's authority to operated the equipment under FCC rules.

# Safety/Precautions

## 1.1 Notice

- \* Theft of service is a crime.
- \* Installing this device without permission or unauthorized tampering, modifying or altering it in any way may subject you to civil or criminal penalties.

WARNING : To prevent electric shock, DO NOT REMOVE COVER.  
No user serviceable parts inside.

## 2.1 Safty

- \* Be sure to read the user's manual before starting the operation of the unit.
- \* Do not touch the power cord with wet hands as it may cause electric shock.
- \* Never open the cover. It is very dangerous to touch the inside of the unit due to possible electric shock.
- \* Place the unit in a well ventilated and no-heat environment.
- \* When you do not use this unit for a long time, make sure that power cord is pulled out from the outlet. Also do not use a damaged power cord as it may cause fire or electric shock.
- \* A professional installation is required. If reception is interrupted, contact Melita Cable customer service.

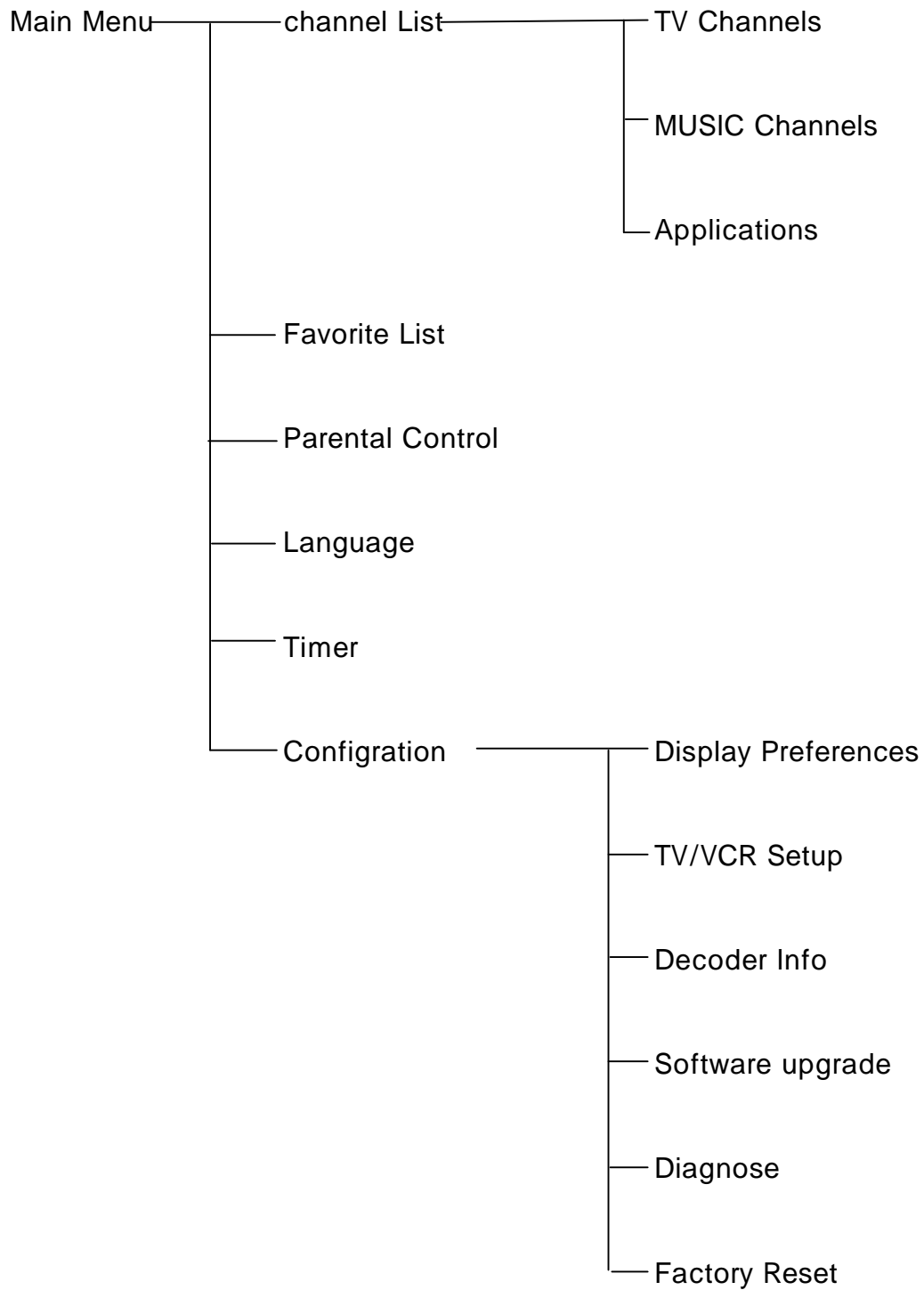
## 2.2 Precautions

When installing the unit

- \* Install the unit horizontally. An uneven installation may cause the unit to be damaged.
- \* Do not put heavy items such as a TV on the unit. That may cause the unit to be damaged.
- \* Do not leave the unit where the water drops or splashes.
- \* Do not put water holding items such as vase on the unit.  
Where it is subject to vibrations  
Where it is exposed to direct sunlight  
Where there is humidity  
Where the temperature is too high or too low.  
Where there is no ventilation
- \* Moving the unit to a hot area from a cold one will cause condensation.
- \* Do not operate the unit for one or two hours or until it has dried completely.

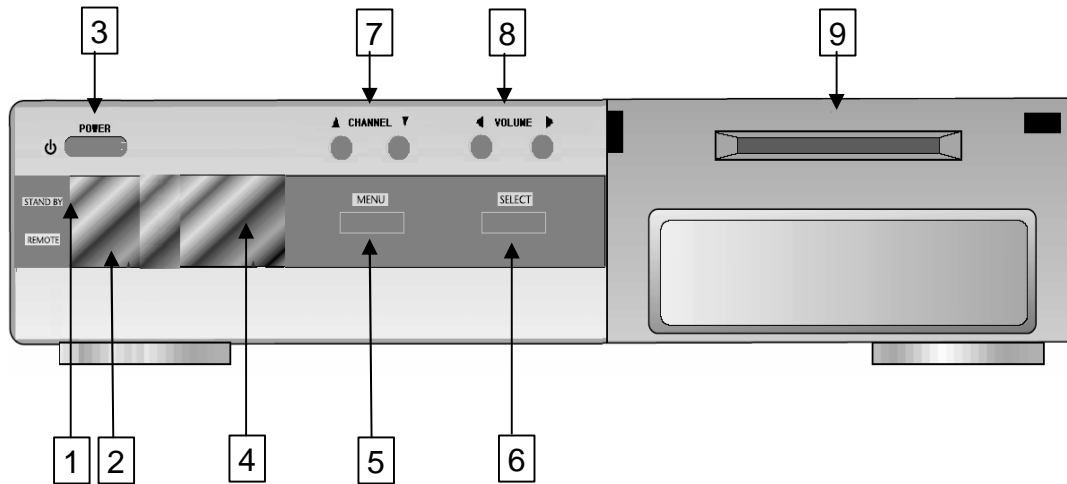
# Menu Map

## 3. Menu Map



## Front panel

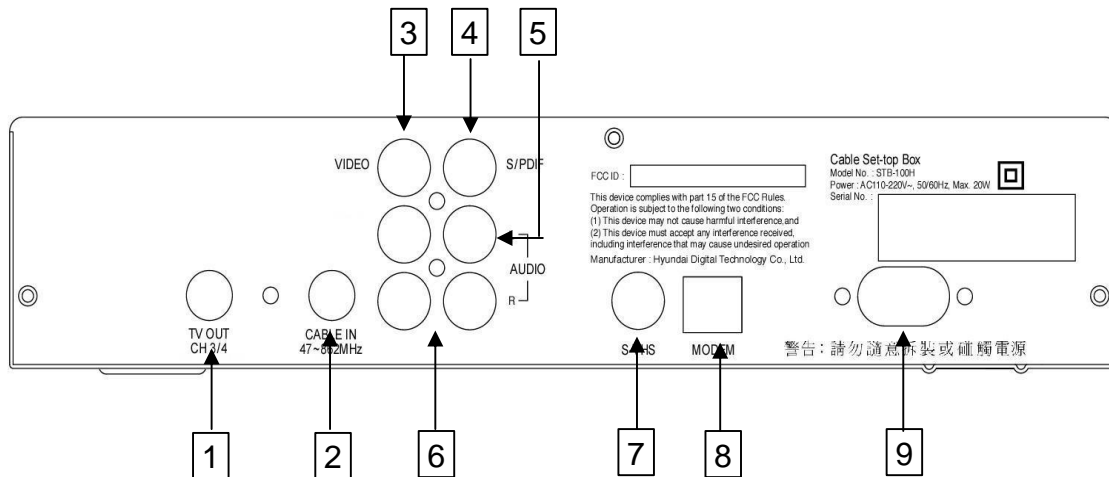
### 4. Front Panel



1. Standby/Power on Indication light : Turn on red light while in "standby mode "and turn off red light while in "power on mode ".
2. Remote Control Indication light : Flashes green when receiving data from Remote Control Unit.
3. Power : To switch the receiver in "standby mode "or in "power on mode ".
4. Remote Sensor : Receives the infrared signal from Remote Control Unit.
5. To launch or terminate the menu application.
6. : To activate a highlighted item or go to next level on hypertext menu or confirm the user 's action.
7. channel : To change channel or cursor position on the application screen.
8. Volume : To adjust the volume level or change the value of an item
9. Smart Card Slot : Insert a smart card fully into the slot.

## REAR PANEL VIEW

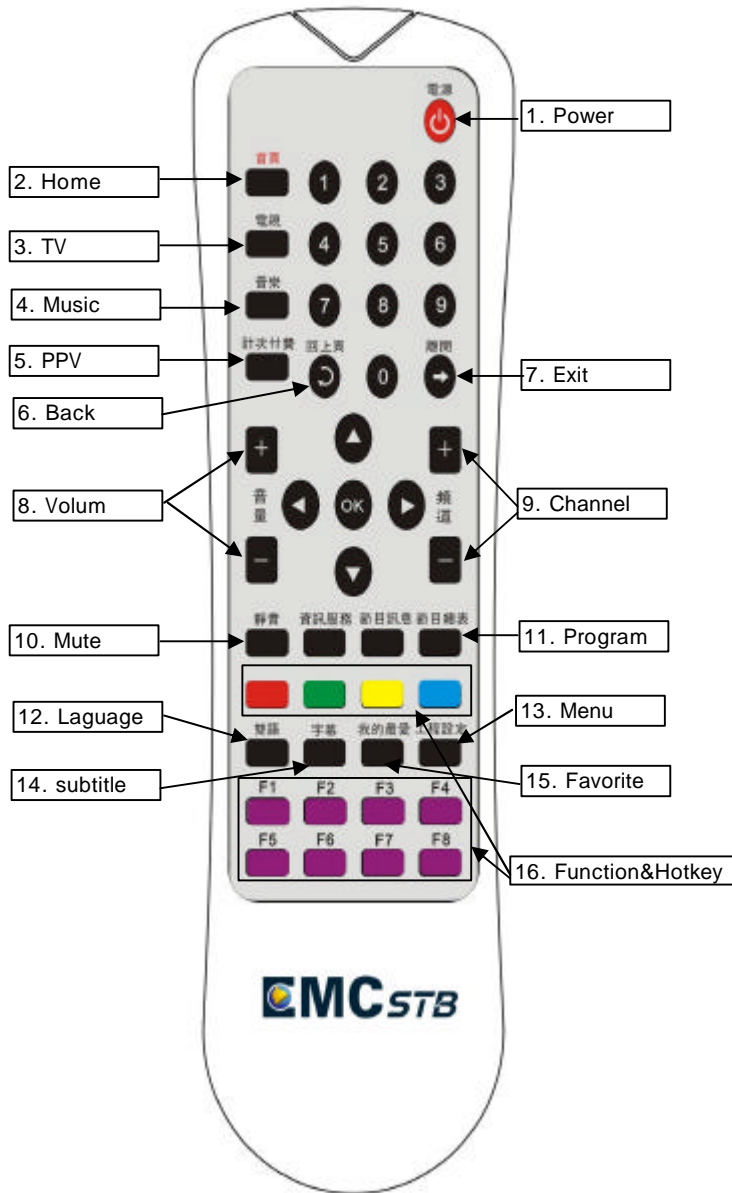
### 4. REAR PANEL VIEW



No	Name	Connector	Function
1	TV OUT(Ch 3/4)	IEC 169-24, fema	RF re-modulation output.
2	CABLE INPUT	IEC 169-24, fema	Cable signal input to Digital tuner.
3	CVBS	RCA cinch	Composite video output.
4	S/PDIF	RCA cinch	Digital Audio output.
5	AUDIO L	RCA cinch X2	Left audio output.
6	AUDIO R	RCA cinch X2	Right audio output.
7	S-VIDEO	4p Din	s-video video output
8	MODEM	RJ-11	Connection to telnet
9	AC INPUT	EN60320	AC power output

# REMOTE CONTROL UNIT

## 5. Remote Control Unit



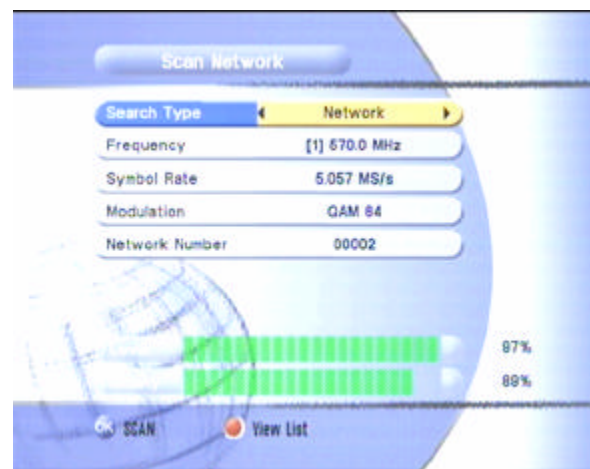
1. POWER : To switch into standby 'or power on 'mode.
2. Homepage : Moving to selected homepage
3. TV : Show the TV channel
4. Music : Show the music channel
5. PPV
6. Back:To return previous channel.
7. Exit:To return to previous status or menu
8. Volum:To adjust the volume level.
9. Channel:To change channel.
10. Mute:To turn the sound on/off.
11. Program :selection program
12. Laguege:To change the Laguege
13. Menu:To enter the main menu.
14. Subtitle:To see Subtitle.
15. Favorite:To see Favorite channel list.
16. Function&Hotkey

## Operation

### 6. Channel scanning



- Press number key "007911" in above main menu



- After entering "scan network" menu, set up below values according to network set up.

- \* Frequency: Using number key in RCU
- \* Symbol rate: Using number key in RCU
- \* Modulation: Using right/left key in RCU

- After finishing network set up, press OK key in order to signal locking.

- After checking Level and Quality, press exit key.



## Specifications

### 7. Specifications

System capabilities	Fully DVB-C(QAM) system	
	Connector	IEC 169-24, female
	Input Frequency range	47~862Mhz
	Signal level	-15 ~ +15 dBmV
Tuner input &	Input Impedance	75 ohm
	Modulation Format	64, 128, 256 QAM
	FEC	Annex A & C
	Front end	CABLE
	Symbol rate	4 ~ 5.2Msps
	IF Band width	6 MHz
	Processor	32bit processor
	SDRAM	16Mbyte
	FLASH	8Mbyte
	EEPROM	32Kbyte
Video Decoder	MPEG 2	Main Profile @ Main Level
	Data Rate	up to 15M bits/s
	Resolution	720 X 480
	Video format	NTSC
	Aspect Ratio	4:3, 16:9
MPEG Audio	MPEG 1 layer 1 & 2	
	Type	Mono, Dual mono, Stereo, Joint Stereo
	Sampling rates	32, 44.1 and 48 KHz
Remote control	Code	NEC-IR
	Operating condition	up to 7 Meter
Power supply	Power consumption	20W
	Supply voltage	90 ~ 250V
	Supply frequency	50Hz ~ 60Hz
Rear panel Connectors	RCA Connector	CVBS Video output (1 cinch)
		Audio L/R output(4 cinch)
		Digital Audio output(1 cinch)
	Digital tuner input	IEC 169-24, female
	RF out put	IEC 169-24, female
Physical	Size(W X H X D)	260 X 53.5 X 235 (mm)
Specification	Weight(Net)	2.3Kg