正E

DVB-T2
High Definition Digital Receiver

Matchmaster
For the Best

22MM-STB-T2

USER MANUAL

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 install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
8) Operate this product only from the type of power source indicated on the label. If you are not sure of the type of power connected to your home, consult your local power company. Disconnect the unit from the mains before any maintenance or installation procedure.
9) Protect the mains cord from damage and stress.
10) Only use attachments/accessories specified by the manufacturer.
11) Unplug this apparatus during lightning storms or when unused for long periods of time.
12) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, including damage to the mains cord or plug, if the unit has been exposed to liquid or moisture, has been dropped or is not operating correctly.
13) Do not impede the air flow into the unit by blocking the ventilation slots.
14) Attention should be drawn to the environmental aspects of battery disposal.
15) Use the apparatus in moderate climate.
WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
WARNING: The batteries shall not be exposed to excessive heat such as direct sun light, fire, etc.

Warning:
- 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.
- The MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable
- The batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

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CAUTION
RISK OF ELECTRIC SHOCK!
DO NOT OPEN!
ATTENTION
RISQUE DE CHOC ELECTRIQUE!
NE PAS OUVRIR!

⚠ This symbol indicates that dangerous voltages constituting a risk of electric shock are present within this unit.

⚠ This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

▢ This symbol indicates that this product incorporates double insulation between hazardous mains voltage and user accessible parts. When servicing use only identical replacement parts.

Package Contents
Before installation, please check the contents of the package. The package should contain the following items:
❶ DVB-T TV Receiver   x1 pc
❷ Remote Control   x1 pc
❸ AAA Battery for the Remote Control   x1 pair
❹ User Manual   x1 pc

DVB-T TV Receiver   Remote Control

AAA Battery   User Manual
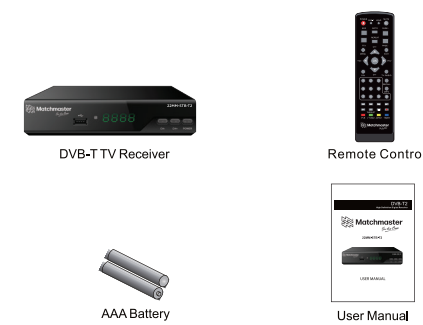
2

Front and Rear Panel

1. Front panel

① POWER BUTTON: Push to turn on/off the main power supply.
② CHANNEL DOWN: Used to change channels without using the Remote Control.
③ CHANNEL UP: Used to change channels without using the Remote Control.
④ LED DISPLAY SCREEN[*]: Used to display channel number or time.
⑤ REMOTE CONTROL SENSOR: Used to receive the signal from the Remote Control.
⑥ USB: For software upgrade and media playback.

2. Rear panel
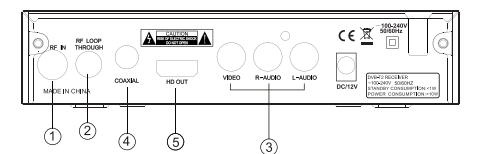
① RF IN: This socket connects to your external Aerial.
② RF LOOP THROUGH: This socket will feed the RF signal to either your TV or another video system.
③ AV
④ Coaxial: This socket outputs digital audio signal.
⑤ HD OUT: High definition audio and video output used to connect to a HDMI device.

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1 Remote Control

POWER: Switch the receiver in and out of Standby mode.
<0>-<9>: Numeric keys.
CH-/CH+: Program changing keys.
MENU: Display main menu on TV screen, and press again to disappear menu.
OK: To confirm current setting, or display channel list in no-menu mode.
VOL-/ VOL+: To increase / decrease volume.
◄ ► : Press to move the cursor
EPG: Shows the Electronic Program Guide.
FAV: Displays your favorite channels list. Press FAV again to access to the other favorite lists.
V-FORMAT: Switch the HDMI 720P and 1080i.
RECALL: Go back to the previous viewed channel.
Red/green/yellow /blue: Use to navigate between pages in teletext mode and special functions in Menu or EPG
TTX: Switch on Teletext, if current channel has this option, and use EXIT key to quit Teletext.
SUB−T : Display subtitle options (availability depends on the channel).
LANG: Change the Audio language and Left/Right channel (availability depends on the channel).
EXIT: Use this key to quit current menu.
INFO: Display information about the current channel.
TV/RADIO: Switch between Digital Radio and DVB-T modes.
MUTE: To switch on/off volume.
PAGE+/PAGE -: To navigate inside the menus.
ASPECT:Switch 4:3/16:9.
TIMESHIFT: Use after RECCORD button for timeshift
TIMER: Use to access ON/OFF timer directly
PVR: Use to access recorded content in USB drive
GOTO: Goto desired time in multimedia file.
REPEAT: Repeat play multimedia file.

Multimedia keys:

◄	❚❚	■	●
PLAY	PAUSE	STOP	REC

◄◄	►►	◄◄	►►
REW	FF	PREV	NEXT
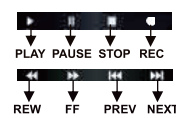
4

Installing the Batteries
Remove the battery cover from the rear of the Remote Control and place 2xAAA size batteries inside the compartment.
Please make sure the battery polarities match the polarity markings inside the compartment.

1.Open the cover   2.Install batteries   3.Close the cover
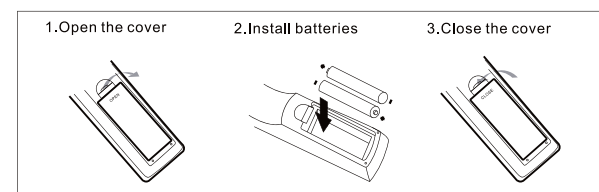
Using the Remote Control
To use the Remote Control, point it towards the front of the Digital Set Top Box. The Remote Control has a range of up to 7 metres from the Set Top Box at an angle of up to 60 degrees

The Remote Control will not operate if its path is blocked.

💡 Sunlight or very bright light will decrease the sensitivity of the Remote Control.

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System connection

For a basic connection from your Set Top Box to your television set, you can use SCART connection. For a higher quality connection, use a direct HDMI connection, as shown below. Connect a audio amplifier use coaxial is a optional.

TV Aerial

SPDIF

Amplifier

HD OUT
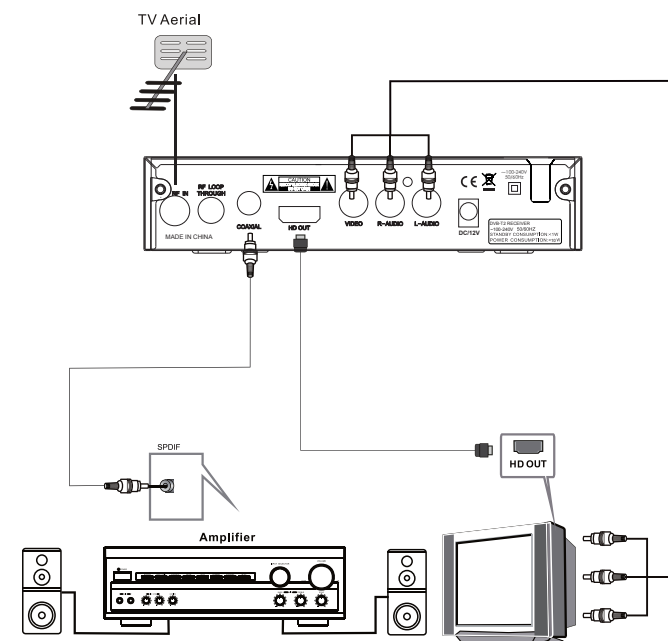
6

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2. DTV MODE

2.1 Init system

First installation shall setup some important configures. It contains several options like Language, Country(area),TimeZone, Active Antennna, LCN, as Figure 2-1:

Figure 2-1 System Initialize

2.2 Electronic programs guide (EPG)

You can press 「EPG」 button on the remote controller to enter into the EPG page to know more about the programs to be played. As shown in the figure below There are several mode：Now/Next Mode，Daily Mode，Weekly Mode，Default is Now/Next Mode，Press red button can switch mode。
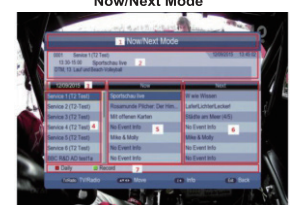Press 「EXIT」 or 「EPG」 button to quiet EPG menu。

Now/Next Mode

Figure 2-2 EPG Menu

There are 7 parts:
- Label 1 part show current EPG status;
- Label 2 part show current time and program information;
- Label 3 part show detail date list;
- Label 4 part show channel list, Press 「UP/DOWN」 button can switch different channels, Press 「PAGE─/＋」 button to switch in different page;
- Label 5 part show current play program information（Now Event），Press r 「UP/DOWN」 button can switch NOW and NEXT status;
- Label 6 part show the program information of next time slot（Next Event）；
- Label 7 part show button hint information;
   - Red button：Enter into Daily Mode
   -Green button：Record label 5 part program of bookmark label 6 part program
Press 「INFO」 button can show detail informtion；

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2.3 Teletext

(2)Press 『TEXT』 button can enter into Teletext menu, as Figure 2-3:

Figure 2-3 Teletext Menu

2.4 Subtitle

(3)Subtitle default set is closed, press 『SUBTITLE』 button enter tin to Subtitle menu. As Figure 2-4:
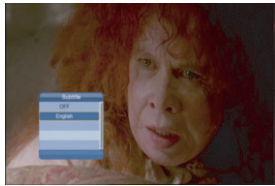
Figure 2-4 Subtitle Menu

(4) Press 『UP/DOWN』 button to select language.

2.5 TTX Subtitle

TTX Subtitle default set is closed, press 『SUBTITLE』 button enter tin to Subtitle menu. As Figure 2-5:

Figure 2-5   TTX Subtitle

3 MAIN MENU INTRODUCTION

Include Installation、Channel、Preference、Setting、AV、Media Center 6 item as Figure 3-1:

3.1 Installation

To help use installation antenna and search program as Figure 3-1:
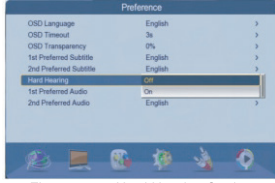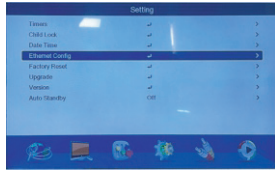
Figure 3-1   Installation Menu

- Auto Search:
- Manual Search:
- Channel Filter: Only search Free program or search all program
- Country: Select Country
- LCN: Logic channel number
- Active Antenna: Antenna power supply on/off

3.1.1 Auto Search

Auto Search item is used to search TV/Radio program according to frequency list as Figure 3-2:

Figure 3-2   Auto Search Menu

System will search program and save them automatically as Figure 3-3:

Figure 3-3   Auto search

3.1.2 Manual Search

Can be use to search program according to specific frequency.
1、Select item enter into menu as Figure3-4:

Figure 3-4   Manual Search Menu

2、There are three configuration:
（1）Channel NO.： Every Channel No corresponding to one frequency, Different country maybe different, you can input number directly.
（2）Freq(KHz): The default frequency is 177143 KHz, You can input number directly
（3）Bandwidth: Select bandwidth between 6MHz, 7MHz and 8MHz, Default 7MHz；
3、Press 『Start Search』button start search 。
4、Search finished, System will save program and back【Installation】Menu.

3.1.3 Channel Filter

Figure 3-5 Channel Filter Menu

Press 『UP/DOWN』button to switch different item, Then press ENTER』button to select it , Only search free program or search free + encrypt program.

Country
【Country】item is used to select Country。

LCN
【LCN】item is used to set open or close Logic channel number

Active Antenna
【Active Antenna】item is used to set active Antenna On/Off. System will shut down power when it is set to on and antenna short out

3.2 Preference

【Preference】menu is used to set language and audio configuration as Figure 3-6:

Figure 3-6   Preference Menu

3.2.1 OSD Language

【OSD Language】is used to set menu language as Figure 3-7:

Figure 3-7   OSD Language Setting

3.2.2 OSD Timeout

【OSD Timeout】item is used to set the display time of Menu as Figure 3-8:

Figure 3-8   OSD Timeout

3.2.3 OSD Transparency

【OSD Transparency】item is used to adjust the transparency of Main Menu as Figure 3-9:

Figure 3-9 OSD Transparency Setting

3.2.4 Preferred Subtitle

【Preferred Subtitle】item is used to set default language of Subtitle as Figure 3-9:

Figure 3-9   Subtitle Language Setting

3.2.5 Hard Hearing

【Hard Hearing】item is used to set special subtitle for Hearing impaired users. It depend on if broadcast operator have support such function, as Figure 3-10

Figure 3-10   Hard Hearing Setting

3.3 Setting

【Setting】item is used to set system configuration as Figure 3-11:

Figure 3-11   Setting item

3.3.1

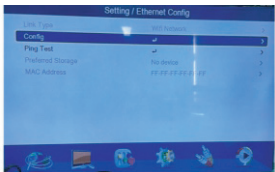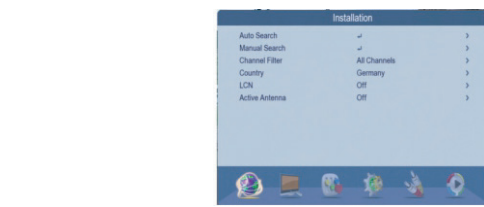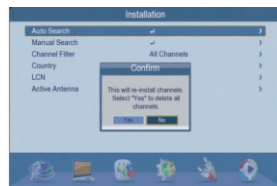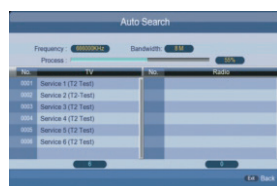1. Choose setting, then choose Ethernet/Config, as figure 3-12

Figure 3-12

3.4 Media Center

Media Center as Figure 3-13:

Figure 3-13   PVR Config
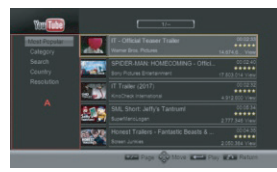

3.4.1 YouTube

Figure 3-14 YouTube Interface

As shown in Figure 3-14, the A area is the main menu, you can select a different video category, and open the Country, Resolution menu, move the highlight, and press "Enter" to select.Video list.
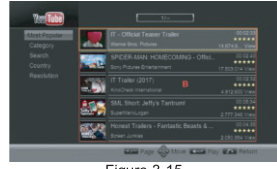
3.4.2 Video List

Figure 3-15

As shown in Figure 3-15, Part B shows the video list, which can be highlighted using "up / down" and scroll, and "Enter" to select the video for playback.

3.4.3 Search

Figure 3-16

When you select "search", you can open the keyboard, enter the keyword, and finally press "play" to search, you can press the red key to switch input method.
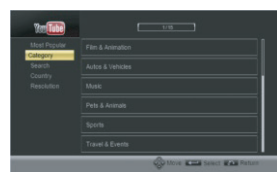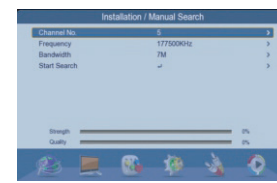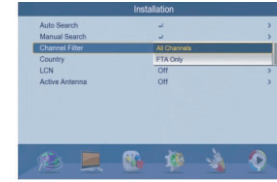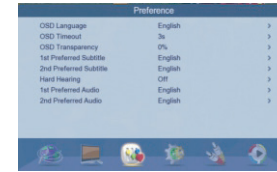
3.4.4 Category

Figure 3-17

3.4.5 Country

Figure 3-18

When you open Country, you can select the video of the corresponding area and press "Enter" to select it.
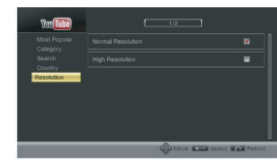
3.4.6 Resolution

Figure 3-19

When you open Resolution, you can choose the corresponding resolution of the video, for playback, press the "OK" to select.

3.6.7 Broadcasting Control

You can use the "Recall" or "Stop" key to exit, return to the main interface, press the "repeat" key to start or cancel the repeat video, you can use the "Pause" key to pause, use FF for x2 accelerated playback, "Play" for normal speed playback.

3.6.8 Broadcasting Options

In the play process, you can use the "Info" button to open an option menu, and video format switching, full-screen original size switching and voice options to switch, the other for the mp4 format video, you can edit the time to jump turn.
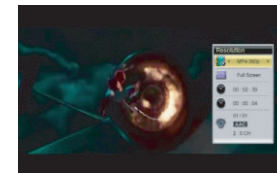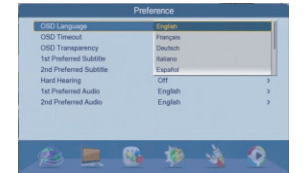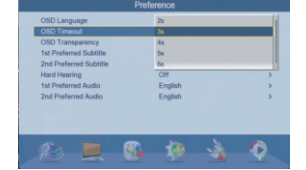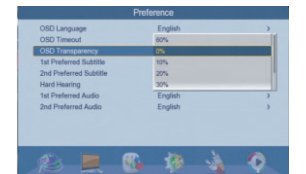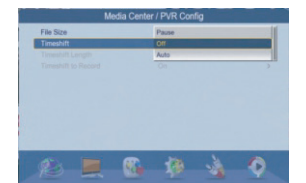
Figure 3-20

3.7 Timeshift

Timeshift function is used to playback old time slot program, there three ways as Figure 3-21:

Figure 3-21   Timeshift Setting

Troubleshooting

Problem	Potential Reasons	What to do
No picture	Power isn't connected	Connect the power
	The power switch is not on	Switch on the power
Screen shows "No Signal"	DVB-T2 cable not connected	Plug in the DVB-T2 cable
	Aerial cable is faulty	Check aerial cable and connections
No sound from speaker	No or incorrect connection with audio cable	Connect the audio cable correctly
	Sound on mute	Turn off mute function
Only sound, no image on the screen	Resolution not supported by TV set.	Press V-FORMAT button to change resolution.
	No or incorrect connection with AV cable	Make sure cables are connected correctly
	The program is a radio program	Press <TV/RADIO> key to shift into TV mode
Remote Control is not responding	The battery is exhausted	Change battery
	Remote Control is not facing or close enough to the Set Top Box	Adjust the position of the Remote Control and move closer to the unit
Picture is breaking up	The signal is too weak	Check aerial cable and connections