DVB-T2 Smart TV Box with WiFi - 1080p



DTV Mode

Init system

First installation shall set up some important configurations. It contains several options like Language, Country (area), TimeZone, Active Antenna, LCN, as Figure 2-1.



Figure 2-1 system initialize

Electronic programs guide (EPG)

You can press the (EPG) button on the remote controller to enter into the EPG page to know more about the programs to be played.

There are several modes: Now/Next Mode, Daily Mode, Weekly Mode, Default is Now/Next Mode, Press red button can switch mode, Press EXIT or EPG button to quit 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 information

Teletext

Pressing the TTX button can enter the Teletext menu.



Subtitle

Subtitle default set is closed, press SUB-T button enter tin to Subtitle menu.



Press the UP/DOWN button to select the language.

Main Menu Introduction

Include installation, Channel, Preference, Setting, AV, Media Center 6 item

Installation

To help use the installation antenna and search program.



- 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

Auto Search

Auto Search item is used to search TV/Radio programs according to frequency list.



System will search programs and save them automatically.

	Auto Search					
,	Process :	Bandwidth: 8M				
No.	TV	No.	Radio			
0001	Service 1 (T2 Test)					
0002	Service 2 (T2-Test)					
0003	Service 3 (T2 Test)					
0004	Service 4 (T2 Test)					
0005	Service 5 (T2 Test)					
0006	Service 6 (T2 Test)					
			CO Back			

Manual Search

Can be used to search programs according to specific frequency.

1. Select item enter into menu.

	Ins	stallation / I	Manual Search		
Channel No.			52		>
Frequency			722000KHz		>
Bandwidth			8M		>
Beep			Off		>
Start Search			لم		>
Strength			-		46%
Quality	-				100%
and the		-			
K		162	198	201	

- 2. There are 3 configurations:
 - Channel NO: Every Channel No corresponds to one frequency, Different countries may be different, you can input numbers directly
 - Frequency (KHz): The default frequency is 177143 KHz, You can input number directly
 - Press Start Search button to start search
 - Search finished, System will save program and back (Installation) Menu

Channel Filter



Press UP/DOWN button to switch different items, then press ENTER button to select it, only search free program or search free + encrypt program.

Country - Item is used to select Country
LCN - Item is used to set open or close Logic channel number
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

Channel

Channel menu have Channel Manager and Favorite List



Channel Manager

		G	annerw	anagei		
No.	Program Name		_	_	8	×
0001	YLE TV1					
0002	YLE TV2					
	YLE FST5					
	YLE24					
	YLE Teema					
		Lock	at Del	al Skip	Rename	
	vRade TV/Radio			OK		Fill Read

System provides several functions: delete, lock, sort, skip, rename function.

System will remind you of "No Program" when there is no program.

- Menu include: program delete, program skip, program lock and rename
- If you want to delete some program, press the UP/DOWN button to select it, press Green button and input password (Default), Select all the program. System will delete it when you quit Menu
- If you want to modify program number or sort, press UP/DOWN and ENTER button to select it. Then press UP/DOWN button to move current program to the position, press ENTER button again will effect such modification
- If you want to rename the program, press UP/DOWN button to select the program and press Blue button to enter into modify menu



Press ENTER button to take effect after rename

- If you want to lock some program, select the program, press the Red button. Then program will be locked after input the password (Default 0000)
- Press RECALL button to quit Menu
- Press EXIT button to back program play Menu

Favorite List

			Favorite	List				
No.	Program Name				Fav1	Fav2	Fav3	Fav4
	Service 1 (T2 Tes							
0002	Service 2 (T2-Tes	st)						
	Service 3 (T2 Tes	t)						
0004 🗃	Service 4 (T2 Tes	it)						
0005 🗃	Service 5 (T2 Tes	t)						
	Service 6 (T2 Tes	t)						
	EVS1							
0008 🗃	EVS2							
0009 🗃	EVS3							
		Fav1	Fav2	= Fav3	E F	av4		
		(TVHase)	TV/Radio				60 8	

- There are 4 Favorite List. Press four color button can switch FAV list, press OK button will add program into FAV list, one program can be added into different FAV list
- EXIT button to quit Favorite List menu

Preference

Preference menu is used to set language and audio configuration.

OSD Language	English	
OSD Timeout	36	
OSD Transparency	0%	
1st Preferred Subtitle	English	
2nd Preferred Subtitle	English	
Hard Hearing	Off	
1st Preferred Audio	English	
2nd Preferred Audio	English	
	A 404 A	

OSD Language

OSD Language is used to set menu languages



OSD Timeout



OSD Timeout item is used to set the display time of Menu

OSD Transparency

OSD Transparency item is used to adjust the transparency of Main Menu

	Preference	
OSD Language	English	>
OSD Transparency	0%	
1st Preferred Subtitle 2nd Preferred Subtitle	10%	
Hard Hearing	30%	
1st Preferred Audio 2nd Preferred Audio	English	>
Ø 🗖	1 in 1	
NO L		Y

Preferred Subtitle

Preferred Subtitle item is used to set default language of Subtitle



Hard Hearing

Hard Hearing item is used to set special subtitles for Hearing impaired users. It depend on if broadcast operator have support such function

	Preference	
OSD Language	English	>
OSD Timeout	35	>
OSD Transparency	0%	>
1st Preferred Subtitle	English	>
2nd Preferred Subtitle	English	>
Hard Hearing	0//	
1st Preferred Audio	On	
2nd Preferred Audio	English	>
	6 61 A	6

Settings

Settings item is used to set system configuration

	Setting		
Timers			>
Child Lock			>
Date Time	ب		,
Ethernet Config			>
Factory Reset	ب د		> /
Upgrade	~		>
Version	ب		>
Auto Standby	Off		>
		· ·	
1 A		100	
R R		100	¥ 1
An other states and states The	NAME OF ADDRESS OF	COLUMN TRANSPORT	Theory Press

WiFI Connect

1. Choose setting, then choose Ethernet/Configuration



2. Enter the Configuration, check the WiFi list

	Wifi List			
Tenda_BBFE50	- 30	atl	610	
ITV-02Eh	ja ja	will	639	
201	30	with	429	
KFRouter_B5BD4C	34	will	439	
KF123	34	stil	629	
317A	34		619	
ling-ju-dian	34	-	649	
Xiaomi_BDC3	34	-	6g0	
No Name	30	-	629	
No Name	34	-	649	
MERCURY_76F6	34	-	649	
	Update 1	Ma	nual Add	
	Mov	0	-	Bac

Choose the WiFi, and enter the password







Choose "Link" to link the WiFi



Upgrade

Upgrade means software upgrade, Enter Main Menu > Settings > Upgrade to select the item



USB Upgrade

Select USB Upgrade item, press OK button to enter USB update menu. If USB device is inserted, the menu will show



Pressing the OK button can enter the folder. Select rom.bin and press ENTER button will start USB update

		Sett	ing / Upgrad	ie	
	Data				
3. Updat	e Flash				
4. Restar	t System				
					5%
					5%
-					5%
-					5%
-			100		5%

When USB Upgrade is finished, the system will restart automatically.

AV Setting

AV item is used to set video output configuration: Resolution, output format, etc.

	AV	
SPDIF	Mute	>
Aspect Ratio	Full Screen	>
Video Output	YUV	>
Video Resolution	720p_60	>
HDMI Audio	HDMI PCM	>
		6

Aspect Ratio

Aspect Ratio item is used to set the length width ratio of video



Video Resolution

	AV	
SPDIF Aspect Ratio Video Output	Mute Full Screen 576i_25	>
Video Resolution HDMI Audio	720p_60 720p_50 1080i_30 1080i_25	
<i>R</i>		Q

Video Resolution item is used to set video output resolution and refresh frequency

HDMI Audio

HDMI Audio is used to set HDMI audio output way



Media Center



PVR Configuration

YouTube



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 the video list.

Video List



Part B shows the video list, which can be highlighted using UP/DOWN and scroll, and ENTER to select the video for playback.

Technical Specifications

System - Standard - ETSI EN 302 755 (DVB-T2)

Tuner

- Input Frequency VHF: 170/230MHz, UHF: 470-860MHz
- RF Input Level 78 / 20dBm
- RF Bandwidth 7MHz and 8MHz
- Modulation QPSK, 16QAM, 64QAM, 256QAM

Video

- Decoder Format MPEG4 AVC/H.264 HP@L4
- Output Format 480i/480p/576i/576p/720p/1080i/1080p
- Output Port HDMI, SCART

Audio

- Decoder Format MPEG-1 (layer 1&2&3), WMA, AC3
- Audio Format Coaxial, L/R (SCART)

USB 2.0

- Supported Capacity 500GB
- Supported Media MP3, WMA, JPEG, BPM, AVI, MKV

Power

- Supply Voltage 220-240V, 50/60Hz
- Maximum Power Consumption <10W
- Standby Power Consumption <1W

Troubleshooting

No picture

- Power isn't connected Connect the power
- The power switch is not on Switch on the power

Screen shows "No Signal"

- DVB-T cable not connected Plug in the DVB-T 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 close to the unit

Picture is breaking up

- The signal is too weak - Check aerial cable and connections