

TV DIGITAL TUNER DVB-T / T2

Quick Start Guide 1.What's in the box



VAKOSS
DB-642

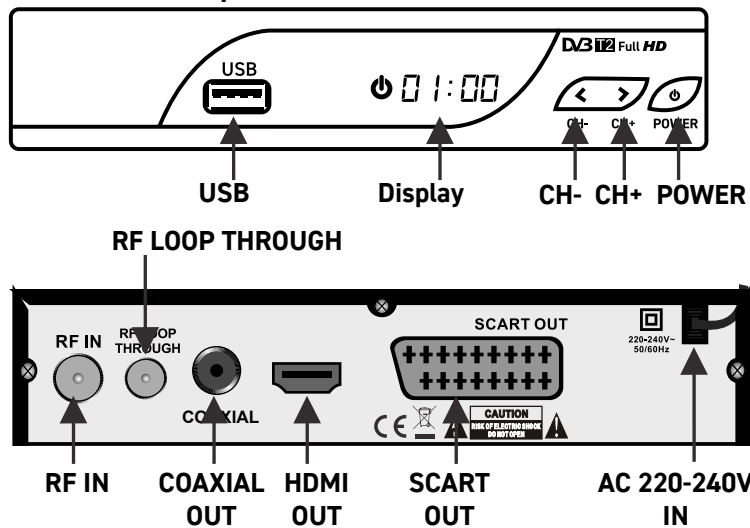
User's manual

Please read these instructions for use and have a good look at the illustration before using the appliance. Only use the appliance described in the user's manual. Please keep the manual in a safe place where it can be easily retrieved for future use.

We recommend saving the original packing box, package material, receipt and warranty card for the duration of warranty (if there is warranty card). In case of transportation, pack the appliance using the original package materials only.

TV DIGITAL TUNER DVB-T / T2

2.Controller panel



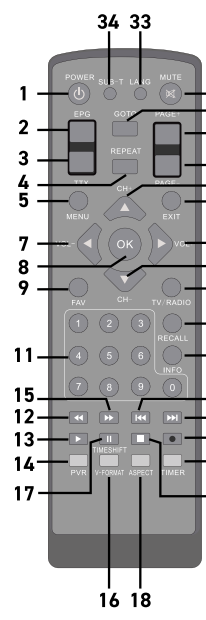
FRONT PANEL
1.USB PORT 2.REMOTE CONTROL SENSOR
3.CHANNEL DOWN 4. CHANNEL UP 5.POWER INDICATOR
REAR PANEL
1.RF IN – CATV line or antenna input jack
2.RF OUT – RF signal from the unit to either the RF input jack on TV or other units (unprocessed signal)
3.HDMI – transmission of digital audio and video signals using a single cable
4.SCART – basic connection of the appliance to the TV set
5.COAXIAL – digital amplifier output (optional)

EN-1

TV DIGITAL TUNER DVB-T / T2

3.REMOTE CONTROL

1.POWER: ON/OFF
2.EPG: Display electronic program guide
3.Teletext: Switch on teletext
4.REPEAT: Repeat multimedia file
5.MENU: Display the main menu
6.CH+: Change channel up
7.VOL-: Decrease the volume
8.OK: Confirm the choice
9.FAV: Display the favorite channels
10.CH-: Change channel down
11.0-9: Numeric keys to select the channel
12.REV: Rewind
13.Play: Play file
14.PVR: Open to the list screen
15.FWD: Fast forward
16.V-FORMAT: Switch the HDMI 720p or 1080i
17.Pause: Pause file
18.ASPECT: Switch 4:3/16:9
19.TIMER: Switch on/off timer
20.Stop play: Stop file
21.REC: Save the current channel to external USB memory (or HDD, pendrive)
22.Next: Move to next
23.Previous: Move to previous
24.INFO: Display channel information
25.RECALL: Return to previous channel
26.TV/RADIO: Switch between digital radio and DVB-T modes
27.VOL+: Increase the volume
28.EXIT: Quit current menu
29.PAGE-: Move down the menu
29.PAGE+: Move up the menu
31.MUTE: Enable or disable audio
32.GOTO: Go to desired time in multi-media file
33.LANG: Change the Audio language
34.SUB- T: Display subtitle options

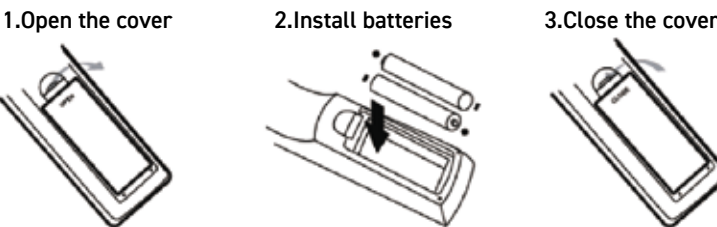


EN-2

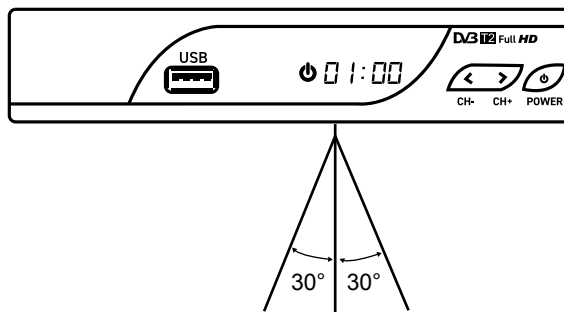
TV DIGITAL TUNER DVB-T / T2

2 pcs AAA size 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. The estimate life for a battery is around 1 year.



Using the Remote Control
Point the remote control towards the appliance and press the power button. The remote control has a range of up to 7 meters from the appliance at an angle of up to 30 degrees each direction.



The Remote Control will not operate if its path is blocked. Sunlight or very bright light will decrease the sensitivity of the Remote Control.

EN-3

TV DIGITAL TUNER DVB-T / T2

WARNING:

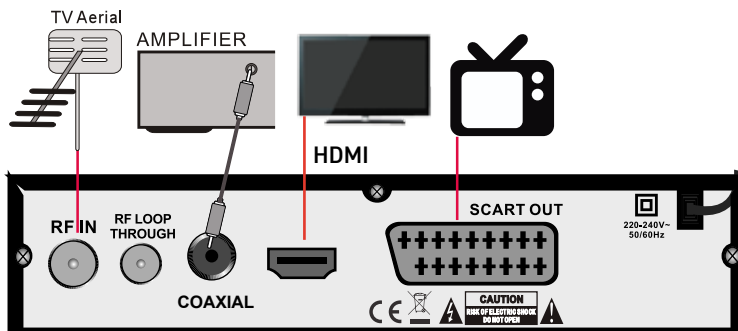
•Danger of explosion if an improper battery is substituted
•Batteries should not be disposed together with household waste. Contact the company responsible for waste disposal and ask for the address of the nearest waste equipment collection point.
•Incorrect use of battery threatens leakage, corrosion, overheating and explosion. It may also cause skin and eye burns and it is harmful if swallowed
•Use the correct size and type of battery specified by the manufacturer of the appliance.
•Extreme temperatures reduce battery performance. Avoid putting battery-powered devices in very warm places.
•Keep batteries away from children.
•Do not heat, take apart, pierce, destroy or throw batteries into fire. Do not insert reversely. Strictly the "+" and "-" indications.
•Do not mix old and new batteries.
•Do not touch battery ends with metal objects when the batteries are inserted in to your device. The objects may heat up, causing burns.
•Remove batteries if they are drained or if your device will not be used for a long time.
•If batteries are leaking, remove them, making sure your skin and clothes do not come in contact with the liquid. If they do, rinse the affected area with water. Before inserting new batteries, clean the battery compartment thoroughly with a damp paper towel.

EN-4

TV DIGITAL TUNER DVB-T / T2

System connection

For basic connection the appliance to the TV set, SCART connection can be used. For a higher quality sound, use a direct HDMI (high-definition multimedia interface that enables transmission of digital audio and video signals using a single cable) connection. Coaxial cable connection to a digital amplifier is optional



4.Operation Instructions

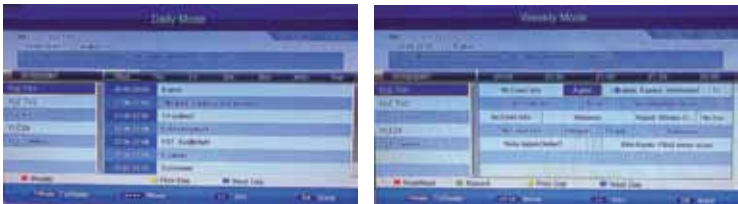
4.1.DTV MODE 4.2.Init system
Initial installation shall setup some important configures. It contains several options like Language,Country(area), TimeZone, Active Antenna, LCN, as Figure:

Init Install		Antenna Setup	
OSD Language	English	Active Antenna	OFF
Country	Poland	Country	Taiwan
LCN	OFF	Beep	OFF
Next	←	Channel NO.	24
		Frequency	533000KHz
		Bandwidth	6M
		Stant Search	←
		Quality	3%
		Strength	0%

EN-5

TV DIGITAL TUNER DVB-T / T2

4.3.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 quit EPGmenu.



Press EPG button: Enter into EPG Menu
Press Red button: Enter into Weekly Mode
Press Yellow button: Enter into PREV Day
Press Blue button: Enter into Next Day

4.4.Teletext
Press [TTX]button can enter into Teletext menu, as Figure:

Subtitle
Subtitle default set is closed, press [SUB-T] button enter Subtitle menu.As Figure:



Figure 2-4 Subtitle Menu

EN-6

TV DIGITAL TUNER DVB-T / T2

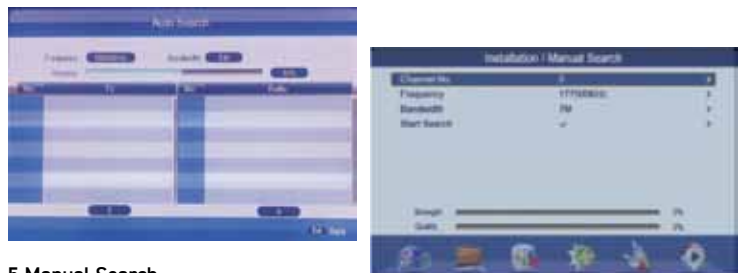
TTX Subtitle

4.5.MAIN MENU INTRODUCTION
Included: Installation- Channel- Preference- Setting- AV- Media Center & item (press MENU button) as Figure:

4.6.Installation
In order to install antenna and search program, as Figure:
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

4.7.Auto Search
Auto Search is used to search TV/Radio program according to frequency list as Figure:

System will search program and save it automatically as Figure:



5.Manual Search
it is use to search program according to specific frequency.Select the program to enter the menu as Figure

EN-7

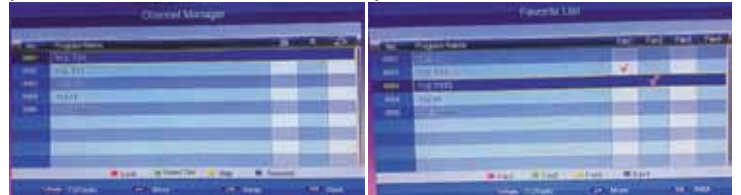
TV DIGITAL TUNER DVB-T / T2

5.Manual Search

2. There are three configuration:
(1) Channel number: each channel number corresponds to one frequency, which may be different in different countries, you can directly key in the number.
(2)Freq(KHz): The default frequency is 177143 KHz,You can key in number directly
(3)Bandwidth: Select bandwidth 7MHz or 8MHz,Default 7MHz;
3. Press [Start Search] button to start search .
4. When search is finished,the system will save program and go back to [Installation] Menu.

5.1.Channel Filter
Press "CH+/CH-"button to switch different item,Then press "ENTER"button to select it, Only search free program or search free + encrypt program.
(Country): It is used to select Country .
(LCN):It is used to set to open or close Logic channel number
(Active Antenna):It is used to set active Antenna On/Off. the system will turn off the power and the antenna is short out when it is set "on",

Channel Manager:
press 'OK' button



EN-8

TV DIGITAL TUNER DVB-T / T2

5.2.Preference

It is used to set language and audio configuration as Figure:



5.4. OSD Timeout
It is used to set the display time of Menu as Figure:

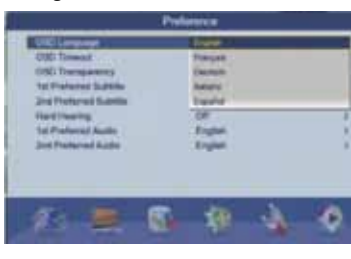


5.6.Preferred Subtitle
It is used to set default language of Subtitle as Figure:

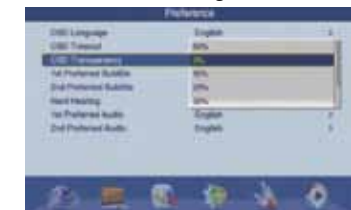


5.3.OSD Language

It is used to set language for menu as Figure:



5.5. OSD Transparency
It is used to adjust the transparency of Main Menu as Figure:

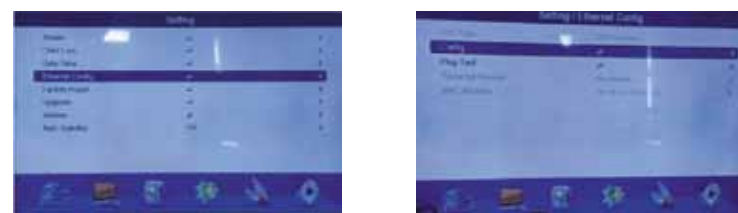


EN-9

TV DIGITAL TUNER DVB-T / T2

5.7.Hard Hearing
This is used to set special subtitles for hearing impaired users. It depends on whether the broadcast operator supports such function, as Figure:

6.Setting
It is used to set system configuration as Figure:



7. AV

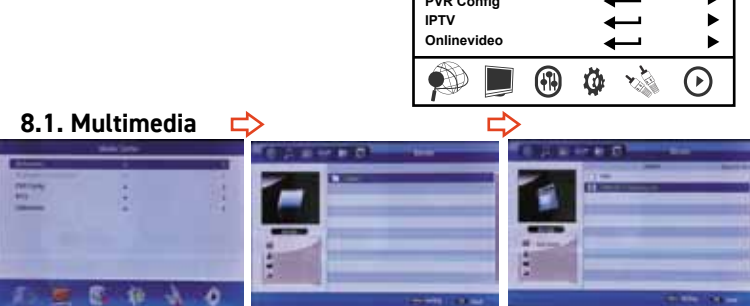
- SPDIF:Coaxial, choose it according to needs
- Aspect Ratio
- Video Output (This menu is invalid for this model)
- TV Format:System output selection
- Video Resolution:Video resolution output selection
- HDMI Audio:HDMI output



EN-10

TV DIGITAL TUNER DVB-T / T2

8.Media Center Media Center as Figure:



Press "CH+/CH-" button to select .



Select YES to continue playing the video, select NO to restart the video
8.2 Multimedia Configuration(This menu is invalid for this model)
8.3 PVR Config: Press OK to enter related video recording settings
8.4 IPTV
You must connect to WIFI first (use USB WIFI DONGLE to successfully connect to WIFI), and then you can watch IPTV programs after importing the M3U format fileNote: WIFI DONGLE is not included. Please confirm with the seller when purchasing the WIFI Dongle, the chip of WIFI DONGLE number 7601 will be compatible with the device.

EN-11

TV DIGITAL TUNER DVB-T / T2

8.5. Online video:
You must connect to WIFI first (same as IPTV), Press OK to enter the YOUTUBE interface

9.1.YOUTUBE Interface:
As shown in Figure , 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".

9.2. YOUTUBE Video List
As shown in Figure , Part B shows the video list, which can be highlighted Use "up/down" to scroll and press "Enter" to select the video you want to play.

9.3. Search

When you select "Search", you can open the keyboard, enter keywords, and then finally, press ""Play"" to search, then press the red button to switch the input method.

EN-12

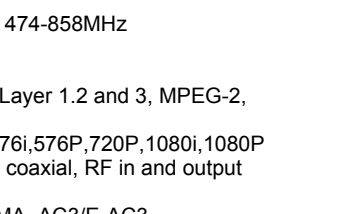
TV DIGITAL TUNER DVB-T / T2

9.4. Category

After opening the country/ Region, you can select the video in the corresponding region and press "Enter" to select it

9.5. Resolution
When the resolution is turned on, you can select the corresponding resolution of the video for playback, please press "OK" to select.

Specifications
Input frequencies: 177.5-226.5MHz, 474-858MHz
IF Bandwidth: 7MHz and 8MHz
RF Input Level: -10~-82dBm
Compliant with standards: MPEG-1 Layer 1.2 and 3, MPEG-2, MPEG-4 H.264 / AVC
Video Output Format: 480i, 480P,576i,576P,720P,1080i,1080P
Supports HDMI output, scart output, coaxial, RF in and output
Video Output Port: HDMI, SCART,
Audio Decoder Format:MPEG-1, WMA, AC3/E-AC3
Audio output:S/PDIF(Coaxial)
Supported Media Format: WMA, JPEG, BMP, AVI, MTS, MKV,VOB,MP3, MP4
Supported USB Devices: Flash drive of up to 32GB, 2.5 inch mobile hard drive of up to 1TB.
Supported TV system: PAL and NTSC
Supported formats: OFDM
Demodulation : OFDM
Range of Remote Control: 5m
Supply Voltage: 220~240V 50/60Hz
Maximum Power Consumption : 8W
Standby Power Consumption <0.85W



EN-13

TV DIGITAL TUNER DVB-T / T2

Notes

•This device can be used by children older than 8, people of limited physical, sensory or mental capabilities and people without appropriate experience and knowledge only under supervision or with adequate instructions related to the safe usage of the device and under the condition that they understand the risks associated with using the device.
•Before the first connecting of the appliance check that voltage indicated on the rating label corresponds to the mains voltage in your home.
•Keep the product away from fire, water, etc., and do not use it in high temperature, high humidity or extremely cold environment.
•Do not vigorously beat or smash the product, do not disassemble.
•If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
•Do not repair the appliance by yourself or make any adjustments to avoid the danger or electrical shock. All repairs or adjustments of the appliance have to be performed at the authorised service center.
Tampering with the appliance during the warranty period may void the warranty.

Declaration:

The manufacturer reserves the right to make changes to this manual at any time without prior notice. If the manual or specification has errors or deficiencies in the text, they will be corrected or added to the next issue

EN-14