

User Guide

7 Inch Display DVB-T Receiver with both Digital and Analog Tuner

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Warnings

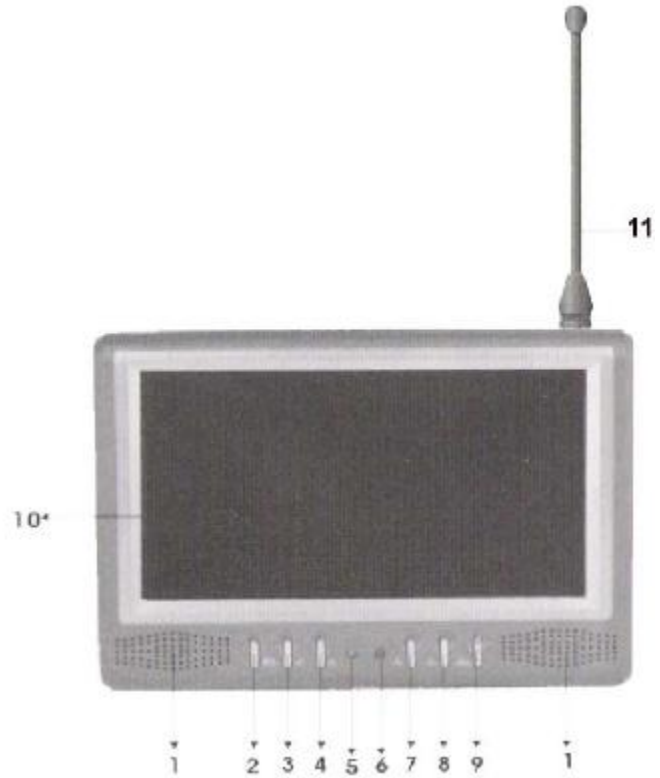
- Always follow these instructions to avoid the risk of injury to yourself or damage to your equipment
- Unplug the receiver from the AC Power outlet before cleaning
- No capacity of waterproof for receiver, Don't clean the equipments by water or other liquid
- Do not use accessories or attachments not recommended by the receiver manufacture as they may cause problems to the equipments and will void the warranty
- Receiver can not be got intensive hits in case it will be damaged
- Do not block or cover the slot opening in the receiver, these are provided for ventilation and protection from overheating
- Never place the receiver near or over a radiator or any heat source or overlap with other electronics facility
- Equipments must be matched with the original power and the protection of earth connection
- Do not try to open the surface of receiver and self repair, Please send to specialist for repairing

Main Features:

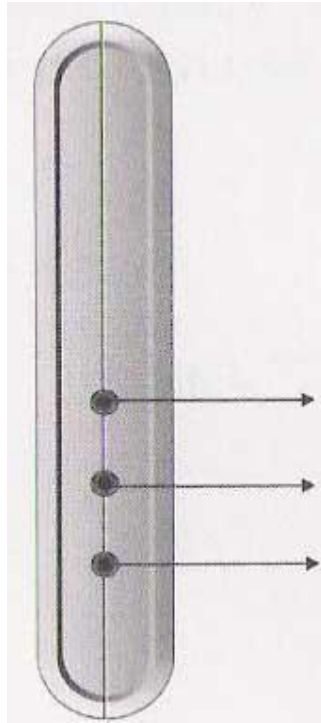
1. Adopt DIBCOM to demodulate ,support high speed movement(option).
2. Digital and Analog complex solution.
3. Built-in batteries ,adopt reliable polymer lithium battery.
4. Analog is compatible with PAL(B/G, I, D/K),SECAM(B/G, D/K,L)
NTSC(M)
5. DVB-T Protocol (ETS 300 744) & MPEG-2 Digital compliant
6. VHF/UHF full band automatic & manual search
7. Provide robustness to multipath interference
8. Powerful EPG for current/next channel information and weekly programs
9. Teletext supported through OSD with fast browsing
10. Multi-language(English/Chinese/Arabic/German/French/Spanish/Italian/Dutch/Turkish/Russian/Romanian/Bulgarian/Farsi/Ukrainian/Vienan) on screen display
11. Max 2000 Channels (TV & Radio Programmable)
12. Game(Tetris/Push Box/Snake/Chess). Calendar
13. Software Upgrade via RS-232 from PC (PC to Set) and Set (Set to Set)

Illustration of key and Jacks on the unit:

1. Speaker
2. MENU/SELECT
3. ▼ / CH-
4. ▲ / CH+
5. Charging Indicator
6. Remote Control Receiving Window
7. ◀ / VOL-
8. ▶ / VOL+
9. OK/POWER
10. TFT LCD
11. Antenna



Right Side Panel:



VIDEO: Video Input/Output Jack

AUDIO: Audio Input/Output Jack

EARPHONE: Earphone Jack

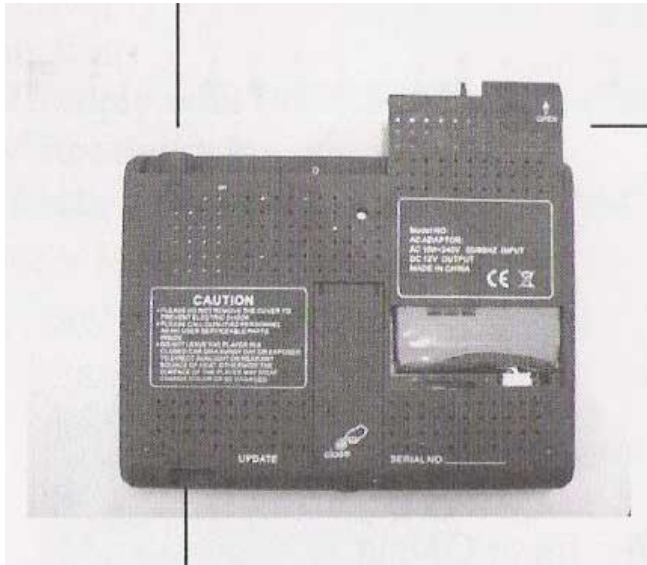
LEFT Side Panel



POWER: Power Jack, input DC 7-15V

Backside

Antenna Entrance



Battery Cover

Update Port

How to use antenna

May direct connect the antenna to antenna entrance ,may also connect directly to Cable for CATV or Car Antenna.

Change of the batteries

1. Slide out the batteries cover upward
2. Take out batteries
3. change batteries
4. Close Battery Cover

Special Caution

To prevent fully discharging of the batteries by accident when storing, please pull off the batteries .then plug in before Storing. After doing this, the unit is under protection, batteries capacity is not being used, thus accidental power on could be avoided.

Remote Controller:



Basic Operation Guide

1. Power off/on

- (1) Press OK button in front panel for power on
- (2) Press & Hold OK button in front panel for power off
- (3) Press Power button in remote controller for power off

2. Recharge battery

The Receiver's battery will start to recharge by plugging the power in power off mode

3. System Menu

Select system menu by Pressing M.MENU in remoter or MENU button in front panel

(1) Picture Setup Menu



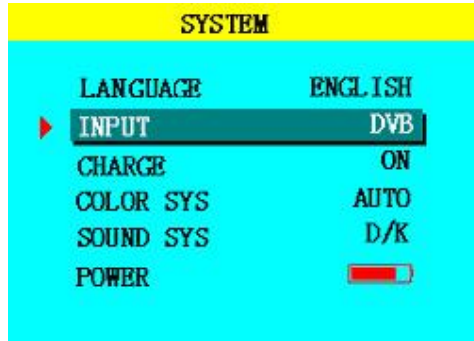
BRIGHTNESS :

CONTRAST:

COLOR:

SHARPNESS:

(2) SYSTEM Setup Menu



LANGUAGE:

INPUT:

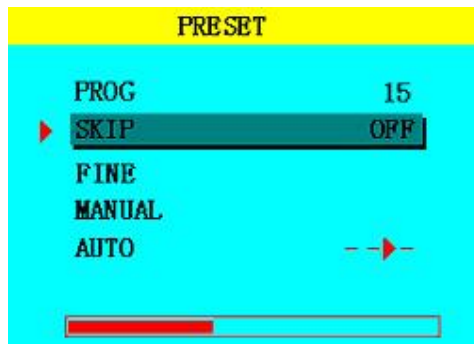
CHARGE:

COLOR SYS:

SOUND SYS:

POWER :

(3) PRESET TV Menu



PROG:

SKIP:

FINE:

MANUAL:

AUTO:

4. LCD Display


- (1) Switch On/Off LCD Display
- (2) Adjust LCD brightness by pressing CCFL button
- (3) Set LCD Display Aspect Ratio by pressing 4:13/16:9 buttons

5. TV, AV Or DVB-T Mode Change


Press TV/AV/DVB button to change the mode of TV, AV, DVB

6. Mute: Press  to Mute or Turn On sound

TV Mode:

1. In TV Display Mode, press up/down button to select channel
2. Press  to adjust the volume
3. Press numeric button to select the specific channel
4. Press LAST key to return the previous channel
5. INFO key to display the current TV Status

AV Mode: The receiver displays AV input signal by selecting AV mode


Press  to adjust the volume

DVB Mode

一. Display operation

1. In DVB Mode, press  button to select channel



2. Press  to adjust the volume

3. Press OK button to enter TV list Menu



- (1) Select the channel using Up/Down Button, then press ok button to confirm. Use RED button on the screen to

change channel list

(2) Press yellow button to Enter the Sort menu, Select the channel in All channel list, or lock or the channel index in Alphabetic, press Yellow Button again to enter CAS channel categories, press OK button to confirm. Press EXIT button to quit the Menu



(3) Press MUTE button to Turn On/Off the volume

(4) Press LAST button to return the previous channel

(5) Press EPG to display current program information and program guide



(7) Press AUDIO Button to change sound mode, it will automatically save the sound mode(L/R/Stereo) setting once changed

(8) Press LANG button to enter program languages menu, use   to select languages , Press OK button to

save the settings

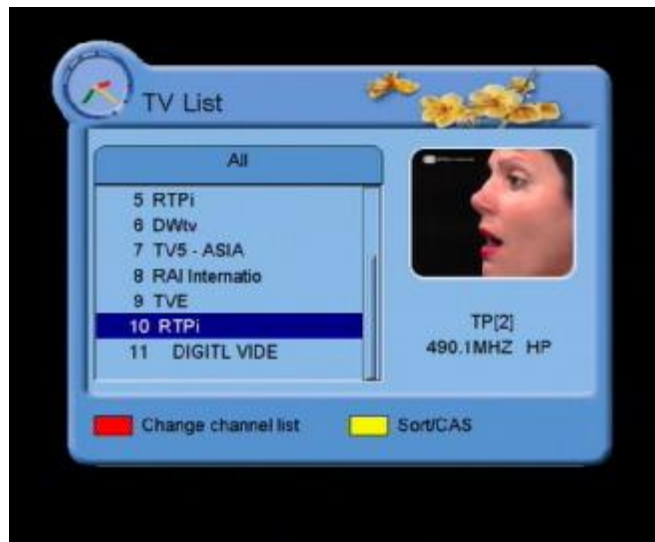
(10) Press INFO or Blue buttons to show channel information

Main Menu operation

Press DVB.MENU button to enter Main Menu

1. Channel List Menu: show all program channel index

(1) Channel List Menu: show all channel program



(1) Use UP/Down button to select the desired channel, it will automatically enter into the desired channel's program review

(2) Press Red button to change channel list menu

(3) Press yellow button to Sort menu for selecting all channels or lock or alphabet in order, press again for

CAS channel classification, press OK button for confirmation

(4) Press exit button to quit

2. Edit channel list menu: personal channel settings



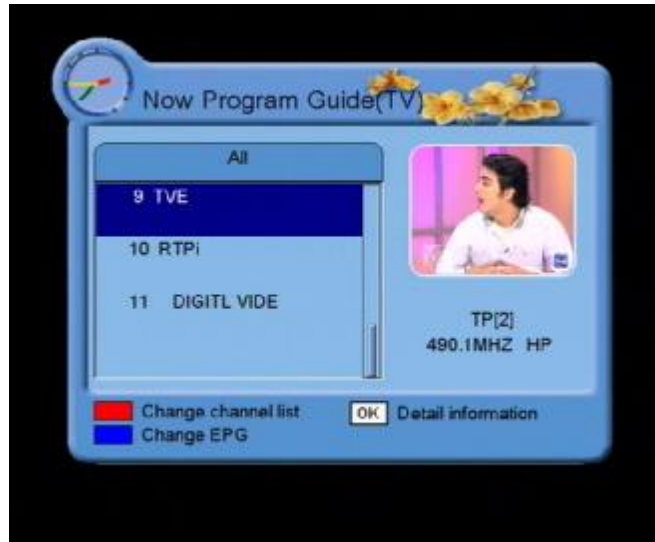
(1) In edit channel list menu, the left folder is the all channels list; the right folder is the favorite channel list.

(2) Press RED button to select operation list: 1-8 favorite Category \Lock\Delete\move, press OK buttons to confirm



- Selected program can be added or deleted from this division program list through 1-8 programs categories
 - Select Lock\Delete\Move to achieve program
Lock\Delete\Move
- (3) The selected operation will display on the right side after the completion of operation type, then press ok button, if you move the banner to right side of channel list, it can cancel this program edition by pressing OK button
- (4) Move the banner to the any channel on left side, then press yellow button to rename this channel. Move right\left\up\down buttons in pop up window to press OK button for selection, use green button to delete words, then press red button to save.
- (5) Press exit button to quit the menu, a pop up window to ask save the current settings or Not

3. Program guide



It will show the selected channel contents in program guide list. Press ok button to show program details information

Press red button to change channel list

Press blue button to change the current/next program information and weekly program guide

(4) System settings



In system setting, there is one column each side, left one is the setting type, move banner to any setup list, the available settings will show on the right column. Press ok button for selection confirmation.

MENU LANGUAGE:

AUDIO LANGUAGE:

SCREEN TYPE:

BANNER TIME:

LOCAL TIME:

MENU TRANSPARENCY:

CHANGE PIN CODE: In current pin code mode, enter the original code first, then type new pin code twice to save by pressing OK button

PARENTAL LOCK:

RECEIVER LOCK:

AUTO POWER:

FACTORY RESET:

SYSTEM UPDATE:

SYSTEM INFORMATION:

The settings will be automatically saved by quitting

5. Utility



In the Utility display, left side is the utility list, the right is sub utility


GAME:

TETRIS:

Press ok button to start game, press yellow button to pause game

Press red button to next game stop, press green button to return previous stop, press yellow button to start game, press blue button to recover the previous stage of game

FIVECHESS:

Press Red button to start game, press  button to choose banner. OK for confirmation

SNAKE:

Press ok to start game, press pause to hold game

DEMONSTRATION:

CALENDAR:

6. Automatic search





In automatic search menu, it automatically shows the pop up window to select the Region and Mode.

Press ok to start search, press exit to exit this menu

7. Manual search



Move banner, press ok button to details operation pop window. Select operation type by using   buttons.

Press red button to start search the selected frequency.

Press yellow button to check frequency information

8. Auto Power Off Function

Press red button to set the timing for auto Power Off

Trouble Shooting And Solutions :

Troubles	Possible Reasons	Solutions
No any display after switching on	Power plug is not in the plug-in or does not connect tightly	Plug in well
	No power when using battery to supply power	Charge the battery
No pictures on the screen when tuning	The broadcasting station is off	Try when there is no signal
	Radio Distortion	Try later
No sound	Volume is set to minimum	Press(VOL+)key to tune volume up
	Set to "MUTE"	
No display on TFT screen	Set the screen to OFF	Press(LCD)key to switch on LCD
The image rolling or no color when connecting to TV SET	Color system set in the players does not match the system of the TV	Change color system of the player

The remote controller does not work	There is blockings between the remote controller and the player	Move away the blockings
	The remote controller do not point to remote control receiving window	Point the remote controller to remote control receiving window
	The battery in the remote controller does not have power	Change to new battery
TV receiving effect is not good, the image stops with mosaic	Weak TV Signal	This phenomenon is normal when TV signal is weak
Strange sound or at the same time with TV sound and Radio Broadcasting sound	Programs of the two channels are different	Press(AUDIO)key to choose left channel or right channel

Instructor

(1) Tuner

Receiving Frequency: UHF 470MHz ~ 862MHz

VHF 174MHz ~ 230MHz

Bandwidth: 6/7/8MHz optional

Input Level: - 78dBm ~ -20dBm

Input impedance: 75Ω

(2) Demodulation

Wave Type: COFDM

Demodulation: QPSK, QAM16, QAM64

Mode: 2K, 8K

Guard Interval: 1/4, 1/8, 1/16, 1/32

FEC: 1/2, 2/3, 3/4, 5/6, 7/8

(3) Demultiplexer:

Standard: ISO/IEC 13818-1

Maximum Input Bits Stream Rate:

60Mbps (Serial) / 7.5Mbps (Parallel)

(4) Video Decoding:

Standard: ISO/IEC 13818-1 MPEG-2 MP@ML

Aspect Ratio: 4:3, 16:9

Resolution: 720X576 Max

Input Code Rate: 15Mbit/s Max

(5)Audio Decoding

Standard: ISO/IEC 13818-3

Channel Mode: Left, Right, Stereo

Sampling Frequency: 32KHZ, 44.1KHZ, 48KHZ.

(6)AV output:

Video Output Impedance: 75 Ω

Video Output Level: 1.0Vp-p

Audio Output Frequency Range: 20HZ-20KHZ

(7)Microprocessor:

Model : AVIA-9700

(8)Analog TV Receiving Specification

TV System: PAL(B/G, I, D/K), SECAM(B/G, D/K, L)

NTSC(M)

(9)Power:

Swi tchi ng Power Adapter: Input: AC100-240V

Output: DC12V, 2. 5A

Power Consumption: <8W

(10)Others:

Operating temperature: 1-40°C

Di mensi on: 191mmX143mmX26mm

Wei ght: 780G

ACCESSORIES:

ACCESSORIES	1	Switching Power Adapter(DC 12V)	1 PC
	2	Remote Controller	1 PC
	3	Antenna	1PC
	4	Polymer Lithium Batteris	1SET
	5	User Guide	1 PC
	6	Audio Cable	1 PC
	7	Video Cable	1 PC
	8	Car power Adapter	1 PC
OPTIONAL ACCESSORIES	9	Car Antenna	1 PC
	10	Car Installation Bracket	1 PC

