avtex

TFT-LCD TV

W102T

USER MANUAL

READ CAREFULLY
BEFORE OPERATION

IMPORTANT SAFETY INSTRUCTIONS

TO PREVENT ELECTRICAL SHOCK. DO NOT REMOVE THIS COVER. NO USER- SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.

This symbol indicates important instructions accompanying the product.

Please read this manual carefully before using this product.

- Before connecting the AC power cord to the DC adapter outlet ,make sure the voltage designation of the LCD TV corresponds to the local electrical supply . If you are unsure of your power supply , ask your local power company .
- Never insert anything metallic into the cabinet openings of the LCD TV; otherwise may cause the danger of electric shock.
- To avoid electric shock, never touch the inside of the LCD TV / adapter. Only a qualified technician should open the case of the LCD TV/adapter.
- Never use your LCD TV/adapter when the power cord has been damaged . Make sure there is nothing resting on the power cord, and keep the cord away from places where people can trip over it .
- Be sure to hold the plug, not the cord when disconnecting the adapter from an electric socket.
- Openings in the LCD TV/adapter cabinet are provided for ventilation. To prevent overheating, these openings should not be blocked or covered. Also, avoid using the LCD TV on a bed ,sofa ,rug, or other soft surface. As this, may block the ventilation openings in the bottom of the cabinet. If you put the LCD TV in a bookcase or some other airless space, be sure to provide adequate ventilation.
- Do not expose the LCD TV to extreme temperature conditions or to extreme humidity conditions.
- The apparatus should not be exposed to dripping or splashing and no objects filled with liquids, such as vases, should be placed on the apparatus.

IMPORTANT SAFETY INSTRUCTIONS

- Do not clean the front with keton-type materials (e.g.Acetone),ethyl alcohol, toluene, ethy lacid, methyl, or chloride-these may damage the panel.
- Locate your DC adapter near an easily accessible AC outlet.
- If your LCD TV does not operate normally in particular, if there are any unusual sounds or smells coming from it, unplug it immediately and contact an authorized dealer or service center.
- High temperature can cause problems. Don`t use your LCD TV in direct sunlight, and keep it away from heaters, stoves, fireplaces, and other sources of heat.
- Unplug the DC adapter when it is going to be left unused for a long time .
- To reduce the risk of fire or electric shock, and annoying interference, use the recommended accessories only.
- If the LCD TV is broken, do not try to repair it yourself. Contact qualified service personnel.
- Unplug your DC adapter from the AC outlet before any service.
- Be sure the service technician uses authorized replacement parts or their equivalents. Unauthorized parts may cause fire, electrical shook, or other hazards.
- Following any service or repair, be sure the service technician performs safety checks to certify that your TFT-LCD TV is in a safe operating order.
- The apparatus with CLASS I construction shall be connected to a MAINS socket outlet with a protective earthing connection.

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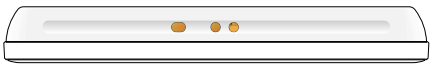
PANEL BUTTON FUNCTIONS

PANEL CONTROL



Front panel

❶ Indicator(Indicator is red when in standby mode, green when working normally.)

❷ IR sensor window

Top panel

❸ **STANDBY** (To switch from standby mode to power-on mode)

❹ **SOURCE** (Select input source)

❺ **CH-/+** (Increase or decrease channel number/to move selected menu item)

❻ **VOL-/+** (Increase or decrease volume/characteristics)

❼ **SETUP** (Enter or exit setup menu)

Left panel

❽ 12Volt DC power input socket

❾ AV audio video input jack

❿ AV audio video output jack

⓫ Headphone jack

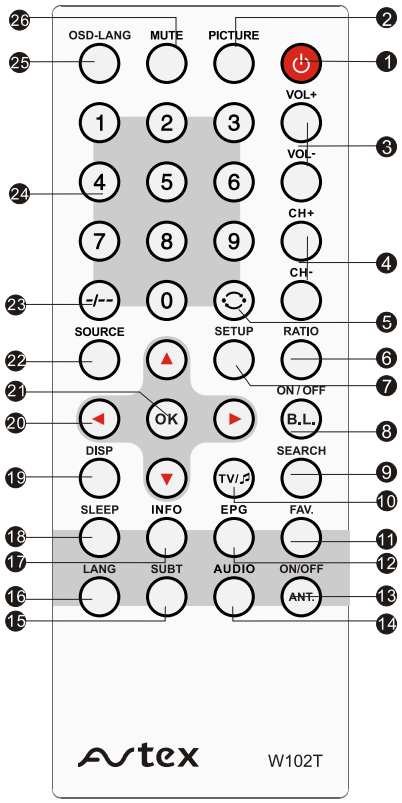
⓬ Headphone jack

⓭ FM antenna input

⓮ RF input terminal

REMOTE CONTROL HANDSET

REMOTE BUTTONS



STANDBY
Switches between standby mode and power-on mode.

PICTURE
Set picture mode: Dynamic, Soft, User, Standard.

VOLUME+/-
Increases or decreases sound amplitude

CHANNEL+/-
Steps up/down program numbers.

RETURN
To swap between a previous program and the current program (only valid in TV mode.)

RATIO
Switch the picture mode in 4:3 or 16:9.

SETUP
Display setup menu, different source has different setup menu.

B.L ON/OFF
To turn on/off the screen (only valid in radio mode).

SEARCH
In DVB mode, long press to search channels automatically .

TV/♫
Switch between TV and radio modes (valid in DVB mode).

FAV.
In DVB mode, open favourite channel list.

EPG
To display the program guide(valid in DVB mode).

ANT. ON/OFF
In DVB mode, turn on/off antenna power supply.

AUDIO
In DVB mode, to change sound track between left, right and stereo.

SUBT
In DVB mode select the subtitle language.

LANG
Switch the output language(valid in DVB mode).

INFO
To display the information about channel and program (valid in DVB mode).

SLEEP
Press to set sleep timer.

DISP
Display or hide channel information, valid in TV mode.

Cursor buttons
More cursor to select menu item or adjust parameter.

OK button
To confirm a selection/item in menu.

SOURCE
Select input source: TV, AV, DVB, FM.

TWO-DIGIT button
Switches between one or two-dig it program numbers.

Number buttons
To select program number.

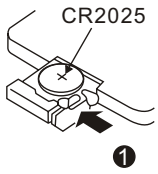
OSD-LANG
Set TV menu language.

MUTE
Sound mute button.

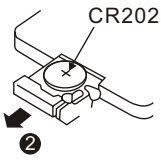
REMOTE CONTROL HANDSET

BATTERY INSTALLATION

When installing battery, please match the two polarities of the battery with the two polarities inside the battery case (positive upward, negative downward), as in the following figure:



Step 1: Push the button toward left.



Step 2: Pull the battery holder out.

Step3: Insert one 3VOL LITHIUM BATTERY matching the -/+ polarities of the battery to the -/+ marks inside the battery compartment, as in the diagram.

BATTERY LIFE

- Generally speaking, the battery can be used for one year. But the detailed battery life and usage times are related to the remote control operation.
- If the remote control is still not operating when near to the unit, please replace the battery.
- Please use CR2025 battery.

NOTES

- Do not use rechargeable battery .
- Do not charge the battery, short-circuit, disassemble, heat or throw it into fire.
- Take care not to fall and beat the remote control, which will damage the remote control or cause function trouble.
- If the battery of remote control will not be used for a long time, please take it out.

CAUTION:
Please put battery in a place children cannot access. If swallowed by accident, please contact your local doctor immediately.

POWER SUPPLY

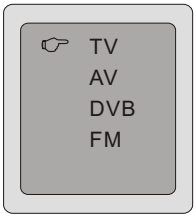
- Please confirm whether the accessories contain the power adapter.
- Please make sure to use power adapter within the specification range, otherwise it will cause damage.
- Use the car adapter in the accessories, comment one end to the socket in your car, the other to the DC socket in the TV.
- The input voltage of the car adapter should be 12Volts.

LET'S START

After the unit has been suitably placed / fixed, on the desk or in your car, and all cords are connected for power, input and output .
If your unit is not fixed with the battery pack, connect the adapter to the LCD TV, the unit will go into standby mode, and you can see the indicator turn red.
If your unit is fixed with the battery pack, and the quantity of electricity is high enough, the unit will go to standby mode, the indicator will turn red. If not, please check the battery pack or contact authorized service department.
What you should do next is, press the STANDBY key on the top panel of the TV, or [STANDBY] button on the remote control to make the unit switch to power-on mode then you will see the LED indicator turn green. Now you can enjoy the many features of your new product.

CHANGE SOURCE OPERATION

You can change the input source from the source menu. Press [SOURCE] button on unit or [SOURCE] key on remote control to show the menu on screen.



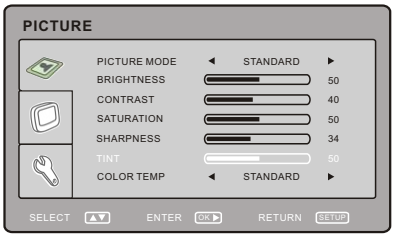
The current source item is highlighted. Press [▲/▼] buttons on the remote control, or [CH+/ CH-] key on the top panel of LCD TV to select your desired mode. Press the [▶] or [OK] button to confirm your choice .

TV MENU SETUP

This product can store up to 100-channel programs (0～99). You can scan and store all the channels through manual or automatic mode.

In TV mode, press [SETUP] button on the remote control or top panel and menu will show as follows:

- Through pressing [▲/▼] button on the remote control, you can select main menu sections(main menu sections consist of " PICTURE ", " TV SETTING ", " SYSTEM "). Press [▶] or [OK] button to enter this menu section.

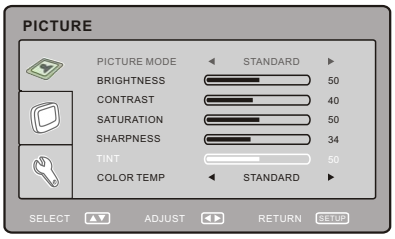


- Press [▲/▼] button on the remote control to select the item, and then press [◀/▶] button to adjust parameter value. Press [SETUP] button to save your selection and return to main menu sections.

PICTURE

Select " " and menu will show as right:

Press [▲/▼] button to select items and [◀/▶] button to adjust.

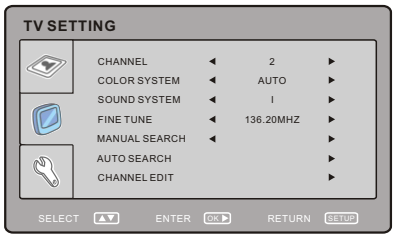


Item	Description
PICTURE MODE	Can be changed between: " USER ", " STANDARD ", " DYNAMIC " and " SOFT ".
BRIGHTNESS	To adjust brightness
CONTRAST	To adjust contrast
SATURATION	To adjust color saturation
SHARPNESS	To adjust picture sharpness
TINT	To adjust picture tint, only valid in N 3.58/N 4.43/PAL60 and display mode with V-scanning frequency equal 59.94
COLOR TEMP	To select a color temp between : "STANDARD", "COOL" and "WARM".

TV MENU SETUP

TV SETTING

Select " " and menu will show as follows:



- Press [▲/▼] button to select item and press [◄/►] button to adjust .

Item	Description
CHANNEL	To change the channel number.
COLOR SYSTEM	Can be changed between: "Auto", "PAL" and "SECAM".
SOUND SYSTEM	Can be changed between:"BG", "DK", "I" and "L" .
FINE TUNE	Adjust current channel frequency accurately to make the sound and picture effect better.
MANUAL SEARCH	To scan programs by manually.
AUTO SEARCH	To scan programs and store all of them automatically.
CHANNEL EDIT	To enter a submenu to set channel skip and channel swap. Please refer to the next page.

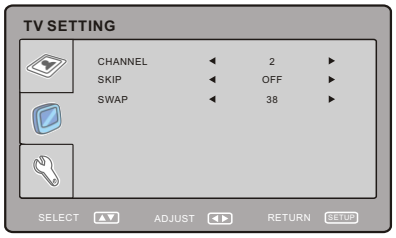
NOTES

- Which "COLOR SYSTEM" mode and "SOUND SYSTEM" mode to use is related to your local TV broadcasting system.
- SECAM system is only used by some European countries and districts, such as France.
- If the local system is SECAM L, the color system must be selected as "SECAM" and sound system must be selected as "L".

TV MENU SETUP

● during the searching, you can press [SETUP] button to stop.

CHANNEL EDIT

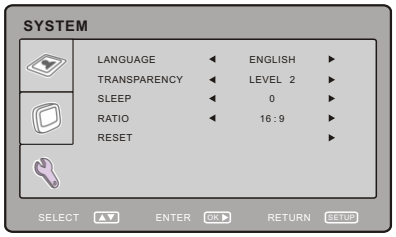


Item	Description
CHANNEL	To select current channel.
SKIP	To select "ON" or "OFF ", you can select "ON " to make current channel unaccessible while using [CH+/-] button to browse channels.
SWAP	Press [◄/►] button to select the channel, and press [OK] button to swap the channel.

TV MENU SETUP

SYSTEM

You can setup some system configuration here.
Press [▲/▼] to select " " item and press [▶] button to enter the following section:



- Press [▲/▼] button to select item and press [◄/►] button to adjust or activate.

Item	Description
LANGUAGE	Select OSD language.
TRANSPARENCY	To change transparency of OSD.
SLEEP	Turn off the TV after a certain time automatically, the time you can set is between: Off~240Min.
RATIO	Set the TV image ratio 4 : 3 or 16 : 9.
RESET	To reset all values to default.

NOTE

If you have set the sleep time, once the time is less than 1 minute there will be a reminder signal displayed on the screen :

At present if you want to cancel the sleep function, please press [SETUP] button on remote control.

AV SETUP

If no signal input in TV or AV mode, the screen will show a similar signal to the following figure.

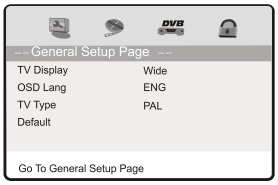
This unit will go into standby mode automatically if there is no signal input for more than 5 minutes.

DVB FUNCTION SETUP

Turn on the TV, press [SOURCE] button to change source to DVB, then you can enjoy the rich and colorful contents of Digital Video Broadcast!

In DVB mode, press [SETUP] button, then press [◀/▶] button to choose DVB item, the DVB setup menu will be displayed as follow:

GENERAL SETUP



1. TV Display: This item is used to set the output picture ratio of this unit.

- Optional settings: Normal/PS, Normal/LB, Wide, Wide Squeeze; Default: Wide.

2. OSD language: This item is used to set the OSD language .

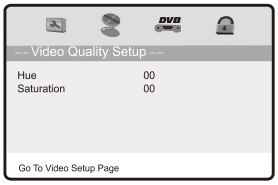
- Optional settings: English; Default: English

3. TV Type: To set the output video system of this player.

- Optional settings: PAL, Auto, NTSC; Default: PAL.

4. Default: This item is used to restore all settings to the default value except "Parental control" and "Password" in the setup menu.

VIDEO SETUP

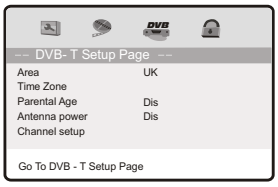


1. Hue: This item is used to set the hue of video outputs.

2. Saturation: This item is used to set the saturation of video outputs.

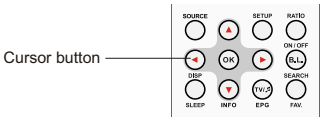
DVB FUNCTION SETUP

DVB-T SETUP



The DVB-T Setup Page is composed of four parts: Area, Time Zone, parental Age, Channel Setup.

Note : Press [▲/▼] button to select different item , and press [OK] or [►] button to enter it.
Press [◄] button to return to the previous menu or to exit the current menu .



1. Area

You can choose the area of your country.

Optional settings: Australia, Austria, Belgium, Denmark, Estonia, Germany, Spain, France, Italy, Netherland, Taiwan, UK, Others; Default: UK.

Note : you must set the correct area before searching channels

2. Time zone

To choose your time zone, it is set depending on your country. If you don't know the exact time, please ask local time manage department.

Default: 00:00

3. Parental age

This item is used to set the parental control ratings .To prevent your children watching undesired programmes.

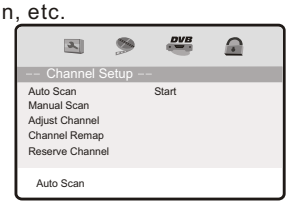
- Optional settings: 4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,Disable
  Default: Disable

4. Antenna power

Turn on/off antenna power supply, optional settings: On, Off; Default: Off.

5. Channel setup

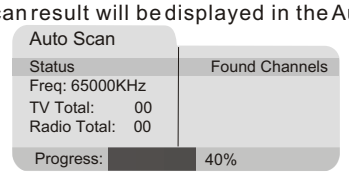
This item is used to search channels, edit the channel list or your favourite channel list, view program guide information, etc.



DVB FUNCTION SETUP

- **Auto Scan**

Connect the antenna to the RF socket on the TV, if the antenna needs a power supply, please press[ANT.ON/OFF] button to turn on the power for the antenna. Then you can automatically search channels without entering any other information.
In the scan process, the scan result will be displayed in the Auto Scan window.



- Press [SEARCH] on remote control more than 3 seconds to auto scan.
- Press [SETUP] button to enter setup menu, then choose the DVB item;
  Using the [▲/▼] button to select the Auto Scan item, and press [OK] or [▶] button to select Start item, then press [OK] button.

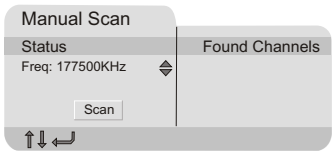
A prompting message will be displayed to request that you confirm, select "OK "and press the [OK] button to confirm.

Note: If you press the [setup] button during scanning, the operation is stopped and a prompting message will be displayed at the bottom of Auto Scan window. Select "OK" and press [OK] button to abort auto scan operation, and the channels found until then will be saved. And select Cancel and press [OK] button to return to auto scan process. Wait while the TV searches for the channels, this may take a few minutes.
Once you press [OK] button to start auto search operation, all the saved channels will be cleared.

- **Manual scan**

You can scan channels manually by setting scan parameters.

1. In setup menu, select " Manual Scan" ,a manual scan will be shown as follows:
2. Enter the frequency you want to scan by the number buttons, then press "OK", the scan button seems be pressed, press OK again to scan, a scan sign : scanning... will be shown on the window.
3. The scan result will be displayed on the right half of the manual scan window, you can save the found channels or delete them if the TV has the same program.



- **Adjust channel**

You can set your favorite channel, set parental control age for some channels or delete channel in Adjust Channel window.

1. Select channel using [▲/▼] button , Press number button [**1**] to set this channel as one of your favorite channels.
2. Select channel using [▲/▼] button , if you don't like this channel press number button [**2**] to delete it .

3.Select channel using [▲/▼] button, press number button [**3**] to set this channel as a protected one, to prevent children from watching the undesired program.

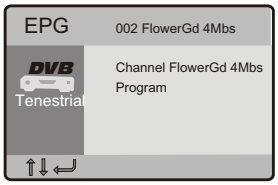
Note: If you set a channel protected, a password will need to be inputted in the Protect Channel window.
The default password is 000000.

- **Channel remap**

You can change every channel position as you like in channel remap window.

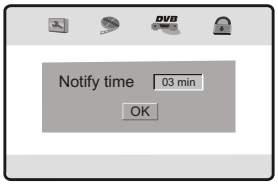
- **Reserve channel**

If you want to watch a special program on a channel at a later time, you can reserve it. Then a reminding signal will be displayed on screen several minutes before it starts.



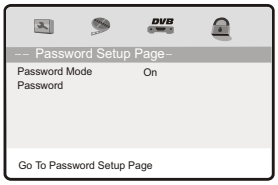
When playing a program on a channel, press [EPG] button, then a program information list of current channel will be displayed in a window, move the cursor to Program, then press [OK] button, a more detailed program list will be displayed, move the cursor to the program which you want to watch, then press [OK] button on remote control. The program is saved in your reserved channel.

You can set the time when the reminding signal should be displayed before the program starts.



PASSWORD SETUP

Password : This item is used to set a six digit password to enable you to change the parental control ratings.



Password Mode: To set whether parental control function needs a password, optional setting: On, Off; Default: On.

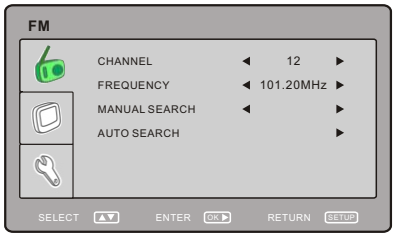
Password : To change the password of the parental control function, default :**000000**.

FM OPERATION

FM

With radio decoder built in , you can enjoy radio programs using this unit.

Connect the FM antenna in the accessories to the FM socket on the left panel of the TV, change source to FM. Press [SETUP] button and a menu will show as follows:



1. CHANNEL:

Display current channel number, press [◀/▶] button to change channel.

2. FREQUENCY:

The frequency of current channel, press [◀/▶] button to adjust it .

3. MANUAL SEARCH:

Search a new channel for current channel number, press [◀] button to decrease frequency and press [▶] button to increase frequency. When a channel is found, manual search will stop and the program will be stored.

4. AUTO SEARCH:

Search and store all the channels in FM band 87.5--108MHz. Move the cursor to AUTO SEARCH, it becomes high lighted, then press [OK] or [▶] button to auto search.
Press [SETUP] button to give up AUTO SEARCH.

NOTE

- Up to 20 programs can be preset/stored, and you can recall them in 2 ways:

  Method 1:

  For programs 1 ~ 9, press the number buttons on remote control to access them.
  For programs 10 ~ 19, press "-/--" first ,then press "0 ~ 9" to access to them;
  For channel 20, just press "-/--" twice to access it.

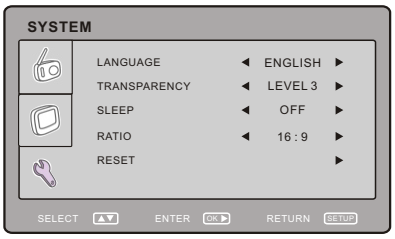
  Method 2:

- When channel is highlighted, press [◀] button to decrease channel and press [▶] button to increase channel.

FM OPERATION

SYSTEM

In FM setup menu, select " ", a FM system menu will be displayed as follows:



1. LANGUAGE

Set FM setup menu language. For English, only English.

2. TRANSPARENCY

Set the transparency level of FM setup menu, optional settings : OFF--LEVEL6.

3.SLEEP

Set the time of how long before the TV goes into standby mode automatically. optional settings: OFF--240MIN,10 minutes a step.

4. RATIO

In FM mode, this item is invalid .

5. RESET

Clear all the saved channels, set the FM OSD language to default one.

TROUBLESHOOTING

Please check for causes of problems in accordance with the following chart before contacting any maintenance personnel.

TV TROUBLESHOOTING

Symptom	Causes and Correction
Cannot power on	◆ Please make sure the power cord is correctly connected.
No sound	◆ Please make sure the audio cord is correctly connected.
	◆ Check volume
	◆ Make sure there is nothing plugged into the headphone jack
Volume too low	◆ Check volume
	◆ If volume is still too low when adjusting volume to maximum, please check whether the input device is correctly set
Snowy picture	◆ Input antenna damaged or not well connected
Remote control failure	◆ Check whether remote control battery is full ◆ Whether battery installation is correct ◆ Whether obstacles exists between remote control and the unit's receiving window ◆ Check whether there is strong light around the receiving window.

SPECIFICATIONS

Panel	Type	TFT color
	Class	II (ISO 13406–2)
	Size (inch)	10.2”
	Display Size (mm)	222(W) x 133.2 (V)
	Pixel Pitch (mm)	0.2775(H) x 0.2775(V)
	Brightness (Cd/m^2)	400
	Contrast ratio	400:1
	Viewing Angle (H)	130
	Viewing Angle (V)	110
	Panel Life (Hours)	30 000
	Display Color	16 700 000
Inputs	Video	
	Composite	1 (CVBS)
	Audio	
	Stereo	1
	Other interface	
	FM antenna	1
	RF	1
Outputs	Video	
	Composite	1
	Audio	
	Stereo	1
	Headphone	2
Color Systems	TV tuner	PAL, SECAM
	Video inputs	PAL, SECAM, NTSC 3.58, NTSC 4.43, PAL60
Sound Systems	TV tuner	DK, I, BG, L
Power adaptor	Input	~ 100 V – 240 V; 50/60 Hz
	Output	12 V; 2.5 A; 54 W
Battery pack	Lithium rechargeable battery	5000mAH, 7.4V
Environmental Consideration	Operating Temperature	+5°C…+35 °C
	Operating Humidity	10% – 80%
	Storage Temperature	–20°C…+45 °C
	Storage Humidity	5% – 95%
DVB	Input connector	IEC-Type, IEC 169-2, Female
	Frequency range (VHF/UHF)	174MHz~858MHz
	Channel range(VHF/UHF)	7 & 8 Mhz
FM	FM frequency range	87.5MHz~108MHz
Dimensions	281 mm x 210 mm x 37 mm	
Net Weight	1.25 kg	

• These items are depended on the TFT panel, Design and specification are subject to change without notice.

DISPLAY MODE

SUPPORTED VIDEO INPUT MODE			
Format	Hor scanning frequency	Ver scanning frequency	Vert scan type
720X480	31.47	59.94	480P
720X480	15.734	59.94	480i
720X576	31.25	50	576P
720X576	15.625	50	576i

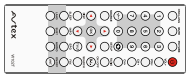
NOTE

Specifications and design are subject to change without notice.

ACCESSORIES

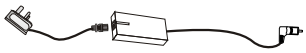
Please check the following accessories.

User manual



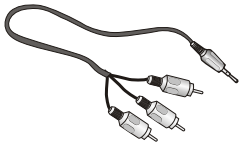
Remote control and battery

Automotive Power socket adapter



Power adapter

Headphone



AV cord

FM antenna

DVB-T antenna (optional)