

# LCD TV RECEIVER

# **USER'S MANUAL**

Please read this manual carefully before using your television and keep this manual in a good place for future reference. MODEL: L20AV6-A0

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### Warning and Cautions





DO NOT OPEN



CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. FOR ANY PROBLEM, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. THERE IS ALIGHTNING ARROW SYMBOL IN THE TRIANGLE: THIS SYMBOL INDICATES HIGH VOLTAGE IS PRESENT INSIDE. IT IS DANGEROUS TO MAKE ANY KIND OF CONTACT WITH ANY INSIDE PART OF THIS PRODUCT. THERE IS AN EXCLAMATION MARK IN THE TRIANGLE: THIS SYMBOL

ALERTS YOU THAT IMPORTANT LITERATURE CONCERNING OPERATION AND MAINTENANCE HAS BEEN INCLUDED WITH THIS PRODUCT.



CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK AND FIRE, DO NOT PUT THE TV SET NEAR SOURCES OF HUMIDITY. DO NOT USE ANY ABRASIVE CLEANSERS WHICH MAY SCRATCH OR DAMAGE THE LCD SCREEN. AVOID CONTACT WITH OBJECTS THAT MAY SCRATCH THE LCD SCREEN.



NOTE: SERVICING THE UNIT YOURSELF IS UNAUTHORIZED AND COULD LEAD TO INJURY OR PRODUCT DAMAGE.

Power supply:

There is a AC-DC adapter with the set that transform AC to DC power. and the power value supplied to the adapter is marked on the label on the adapter. Only DC power can be input into the set and AC power must not be input. And the output power value of the AC-DC adapter is on the label on the back cover of the set.

Power connection:

- A. Connect the output pin (12V)of the adapter to the DC IN port of the TV set;
- B. Connect the AC power cable to the composite port of the adapter;
- C. Connect the other side of the AC power cable to the AC power socket.

#### Cleaning:

Make sure that the power cable is removed from the socket before cleaning the product. When the screen is seriously contaminated, use a clean soft cloth moistened to clean the display. Wring the water while clean the display and then use a dry cloth to clean it.

Never use any liquid or inhalator cleanser.

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### **Safety Precautions**



The product should be tightly fixed to avoid drop damages and even fire.



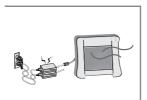
Do not locate the product close to water or oil, which may cause fire hazards.



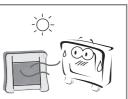
Do not usedamaged or worn electric plugs, and keep electric cord away from heat sources to avoid electric shocks or fire hazards.



The product must be placed on a solid and stable surface to avoid collapse.



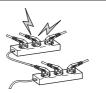
Keep the product away from a transformer or heat source to avoid fire hazards.



To avoid fire hazards, do not use this product under direct sunlight or closely to heat sources.



Unplug the power supply and antenna of the product when there is a rainstorm, especially thunderstorm.



Do not connect excessive sockets in parallel or share the same socket by multiple plugs to avoid fire hazards.



Unauthorized disassembly of the television is prohibited to avoid electric shocks or fire hazards. Contact authorized after-sales service if technical service is needed.



Disconnect the product from power supply and contact authorized after-sales service if abnormal sound is heard in the product.



### Safety Precautions (continued)



Don't use or store inflammable materials near the product to avoid explosion or fire hazards.



The antenna of the product should be away from electric cable to avoid electric shocks.



Always make sure that the television is well plugged as poor electric connection might cause fire.



Unplug the television, use soft fabric, never chemicals, if you are going to make cleaning of the product. Make sure that no water drops in the product.



Disconnect the television from power supply and antenna when there is a rainstorm or thunderstorm to avoid electric shocks or fire hazards.



Don't place the product in a humid area to avoid fire hazards.



Never touch the plug when your hand is wet as this might cause electric shocks.



When antenna is used, measures should be taken to preventwater from flowing down along the cable into the television.



The plug and electric cable must be kept clean to avoid electric shocks or fire hazards.



Disconnect the television from power supply to avoid electric shocks or fire hazards in along vocation.



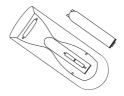
### **Battery loading**

1.Slide open the cover of the battery compartment on the back of the remote controller.

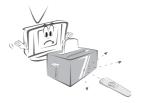
2.Load two 5# alkaline batteries in the compartment. (plus and minus poles to respective mark)

3. Replace the cover of the battery compartment.





Make sure that there is no obstacle between the remote controller and television set.





As strong light may interfere the

signals, change your position to

Keep the remote controller away from heat source or humid area to ensure effective performance of the remote controller.



Make sure that two 5# 1.5V alkaline batteries are loaded. The batteries must be of the same type. The batteries must be located properly. The batteries are not rechargeable.



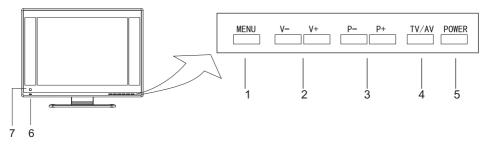






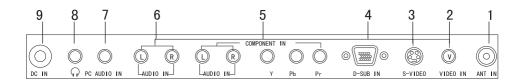
### Keys and Ports

#### **Front panel**



- 1. MENU: menu display/enterthe sub-menu/confirm the adjustment.
- 2. V-/V+ : volume adjustment and adjust the parameters in the menu.
- 3. P-/P+: program minus and plus, select the menu options
- 4. TV/AV: all input source select:PC-RGB/COMPONENT/AV/S-VIDEO/ TV/exit the menu.
- 5. POWER: press to be on /standby mode.
- 6. Power indicator
- 7. Remote control signal receiver window.

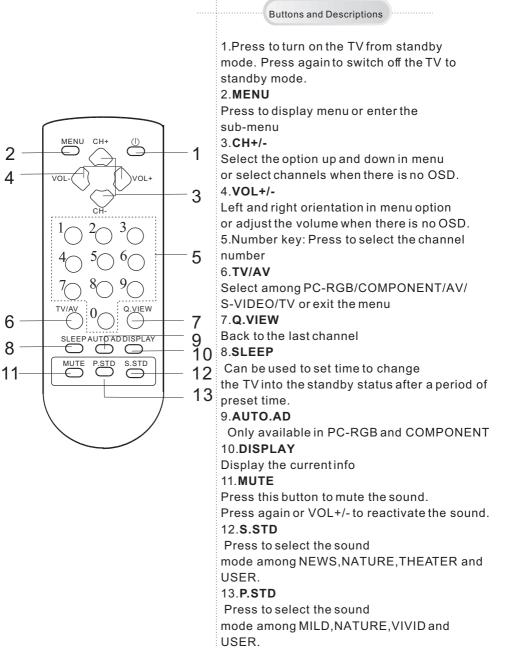
#### **Back panel**



- 1. Connect antenna or CATV 75  $\,\Omega\,$  coaxial cable to receive TV/ CATV signal.
- 2. external video input
- 3. S-VIDEO input
- 4. VGA input
- 5. Component audio/video input
- 6. external audio input
- 7 VGA audio input
- 8. headphone output
- 9. DC power input

Note: Please do not use the S-VIDEO and AV terminals simultaneously.

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### Power on/off and menu operation

• Below are methods on how to power on/off the TV set with the switches on the TV and on the remote control.

#### Power on/off

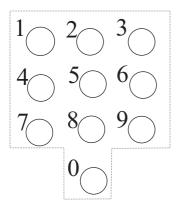
Power on/off

1、 Connect AC-DC adaptor and power supply wire first, then plug insert the power socket on the wall, the indicator light.

2、If the television is on standby mode , you could press **POWER (** () ) button on remote control or on the TV to turn on the TV.

3、 If you want to switch off the TV to standby mode press **POWER** (()) button on TV or on remote controller .

DC Standby Button



Direct-digit Choosing Button

#### Menu operation

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1. Press MENU button to display the main menu.

2.Press VOL+/- or CH+/- to select the option

3.Press MENU button to enter the sub-menu and select the system you want to adjust.

4.Press VOL+/- button to adjust the parameters after select the right options.

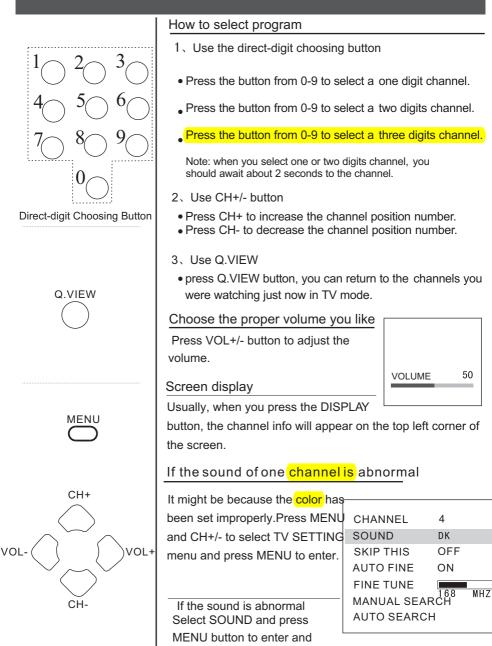
5.Press TV/AV to exit the menu.

#### Power supply auto-off function

When the BLUESCREEN is set ON, and there is no signal, blue screen with XX no signal(XX is the inputs)protection works, and ,in15 minutes later without any operation, it will change into standby status.

### Viewing TV Programs

• There are 200 channels from 0 to 199.



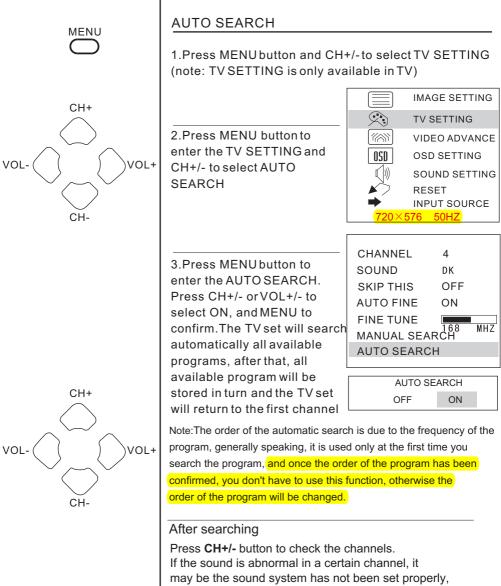
VOL+/- to select the proper sound.

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### Tuning

- There are <mark>three</mark>ways of searching:automatic search, manual search and MFT (manual fine tune).
- You may operate it either on the TV or on the remote control. Here is mainly about the remote control.

#### Auto search



so you should adjust it to the proper system (Reference to page 9).

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### **TUNING (Continued)**

#### Manual search MENU Manual search Press CH+/- button or the Direct-digit Choosing button to select a channel directly CH+ IMAGE SETTING 1. Press MENU button and $\bigcirc$ CH+/- to select TV SETTING TV SETTING VOL-VOL+ ~~`` VIDEO ADVANCE OSD SETTING NSD. SOUND SETTING CH RESET INPUT SOURCE 2.Press MENU button to $0 \times 576 50 HZ$ enter the TV SETTING and CH+/- to select MANUAL CHANNEL 4 SEARCH SOUND DK SKIP THIS OFF AUTO FINE ON FINE TUNE MANUAL SEARCH AUTO SEARCH 3. Press MENU button to enter the AUTO SEARCH. Press VOL+/- to select UP or 向ト 向下 DOWN, and MENU to 168 MHZ **Direct-digit Choosing Button** confirm. •DOWN is used to search the lower frquency channel.. CH+ •UP is used to search the higher frequency channel. If you want to memory VOI -VOI + another channel, press CH+/to select CHANNEL and MENU

to confirm, then VOL+/- to select the channel number. Repeat the steps above.

CH-

CHANNEL	4	
SOUND	DK	
SKIP THIS	OFF	
AUTO FINE	ON	
FINE TUNE	1.0.0	
MANUAL SEA	RCH	MHZ
AUTO SEARC		

MHZ

Fine tune

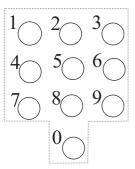
CH+	When you can't get a satisfactor you can fine tune to obtain.	y picture and audio effect,
VOL-	Auto fine	
CH-	1.Press CH+/- or digit buttons to select the channel, press MENU button	IMAGE SETTING       Image: Se
	and CH+/- toselect TV SETTING	
		<ul> <li>↓) SOUND SETTING</li> <li>↓ RESET</li> <li>↓ INPUT SOURCE</li> </ul>
$4 \xrightarrow{5} 6 \xrightarrow{6} 7$	2. Press MENU button to enter the TV SETTING and CH+/- to select AUTO FINE	<mark>720×576 50HZ</mark>
		CHANNEL 4
	3.Press MENU button to enter the AUTO FINE, press	SOUND DK SKIP THIS OFF AUTO FINE ON
Direct-digit Choosing Button	VOL+/- to select ON, press TV/AV to exit the menu.	FINE TUNE 168 MHZ MANUAL SEARCH AUTO SEARCH
CH+	FINE TUNE	
VOL- CH-	The same way to select FINE TUNE,press MENU and then VOL+/-button to start until receive the best picture and sound, then press TV/AV to exit.	CHANNEL 4 SOUND DK SKIP THIS OFF AUTO FINE ON FINE TUNE 168 MHZ MANUAL SEARCH AUTO SEARCH
	<ul> <li>VOL- is used to tune the lower frequence</li> </ul>	у

• VOL+ is used to tune the higher frequency

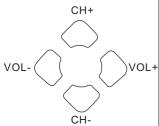
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### **TUNING (Continued)**

### Skip



Direct-digit Choosing Button





#### Skip

After the programs are preset, you can skip some programs so that to select your favorite channels only.

$\smile$		
$5 \cap$	1、Press CH+/- or digit	IMAGE SETTING
$\bigcirc$	buttons to select the	TV SETTING
$\mathcal{P}$	channel you want to skip.	VIDEO ADVANCE
$\bigcirc$	2、Press MENU and CH+/- to	OSD OSD SETTING
	select TV SETTING,then	SOUND SETTING
	press MENU to enter	
	the sub-menu	720×576 50HZ
g Button		
	3、Press CH+/- to select	CHANNEL 4
	SKIP THIS.	SOUND DK
		SKIP THIS OFF
		AUTO FINE ON
		FINE TUNE
		MANUAL SEARCH
VOL+		AUTO SEARCH
	4、Press MENU to confirm	CHANNEL 4
	and VOL+/- to set ON.	SOUND DK
	Press TV/AV to exit the	SKIP THIS ON
	menu.	AUTO FINE ON
		FINE TUNE
		MANUAL SEARCH
		AUTO SEARCH

5. When you select channels with CH+/- button, this channel will be skipped. However, you can also use the digit Choosing button on the remote control to select this channel directly.

#### If you want to recover the skipped channel

- 1. Use digit choosing buttons to select the number of the channel to be recovered.
- 2. Do the above steps again.

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3. Press VOL+/- button to set SKIP OFF.

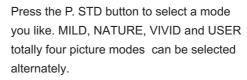
### **Adjusting the Picture and the Sound**

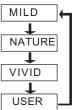
#### Multiple picture modes

P.STD

#### How to select the picture mode

You may select the mode you want from the three preset modes and one individual mode.





MODE	PICTURE QUALITY
MILD	LOW COLOR AND BRIGHTNESS
NATURE	MEDIUM COLOR AND BRIGHTNESS
VIVID	BRIGHT COLOR
USER	SET BY YOURSELF

#### Set the parameter of USER

1、Press MENU button to display the main menu,and CH+/- to select IMAGE SETTING and then press MENU to enter

2、Press CH+/- to select the option you want to adjust and MENU button to confirm. Then press VOL+/- to adjust.

DARK

WEAK

LIGHT

SOFT

GREEN

OPTION

BRIGHTNESS

CONTRAST

SHARPNESS

COLOR

TINT



BRIGHTNESS	50
CONTRAST	45
COLOR	65
TINT	0
SHARPNESS	3

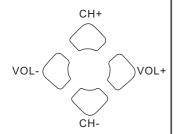
Note:The item of TINT appears when the N system signal is received, and you can adjust it by VOL-/+ button.

BRIGHT STRONG

THICK

SHARP

RED





### Adjusting the Picture and the Sound

### Multiple sound modes

Multiple Sound modes				
	How to select the sound mode			
	You can quickly select your most favored sound mode from the following four kinds of modes.			
S.STD	Press the S.STD button to select the sound quality that you want.NEWS/ NATURE/ THEATER/ USER can be selected in turn(their parameter may be adjusted due to your need)			
	Setting the sound	I		
	This function can	let you regulat	e the volum	e to the
	preconcerted para	meter quickly		
	1、Press MENU an	d CH+/- to		IMAGE SETTING
	select SOUND SET			TV SETTING
	press MENU to ente			VIDEO ADVANCE
				OSD SETTING
				SOUND SETTING
	2、Press CH+/- to s	elect the		RESET
CH+	system you want to	adjust	720×5	INPUT SOURCE
	and press MENU to			
$\langle \rangle$	then press VOL+/- to			
VOL-	The parameter will s mode.			
			TREBLE	0
	OPTION VOL-	VOL+	BASS	0
CH-	BASS WEAK	STRONG STRONG	BALANCE	0
	BALANCE WEAKEN RIGHT CHANNEL	WEAKEN LEFT CHANNEL	MUTE	OFF
	VOLUME WEAK	STRONG	VOLUME	50

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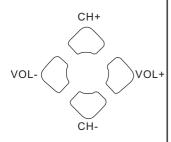
### Setting function

#### Setting function Setting OSD Language 1、Press MENU button and IMAGE SETTING MENU CH+/- to select OSD TV SETTING SETTING, then press VIDEO ADVANCE MENU button to enter OSD SETTING OSD SOUND SETTING CH+ RESET 2、Press CH+/- to select INPUT SOURCE LANGUAGE. 20×576 50HZ VOL- ( VOL+ LANGUAGE ENGLISH OSD H CH OSD.V 3. Press MENU button to confirm and VOL+/- button to select the language. Setting OSD position IMAGE SETTING 1、Press MENU button and TV SETTING CH+/- to select OSD VIDEO ADVANCE SETTING, then press MENU OSD SETTING **ASD** button to enter. CH+ SOUND SETTING RESET 2、Press CH+/- to select INPUT SOURCE VOL-( OSD.H and MENU button to 720×576 50HZ VOI + confirm, then press VOL+/to adjust. CH-LANGUAGE ENGLISH 3、Then you can adjust OSD H the parameter of OSD.V with OSD.V the same method above. Note:OSD.H is used to adjust the horizontal position of the OSD and OSD.V is used to adjust the vertical position of the OSD.

### Setting function(continued)

#### Video advance, reset and source input

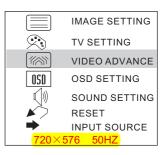




Blue screen

1、Press MENU button and then CH+/- to select VIDEO ADVANCE, then press MENU button to enter

2、Press CH+/- to select BLUE SCREEN.



3、 Press MENU button to confirm,

then press VOL+/- to select ON/OFF.

BLUE SCREEN ON

When BLUE SCREEN is ON, and

there is no signal, the screen will display blue; when BLUE SCREEN is OFF and there is no signal, the screen will display black.

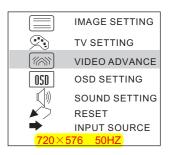
#### Reset

1、Press MENU button and then CH+/- to select RESET.

2. Press MENU to confirm, then the picture and sound will restore the factory default.



You can select INPUT SOURCE by the same way above, then press MENU button, the inputs will switch among these modes.(You can also press TV/AV button)



PC-RGB COMPONENT AV S-VIDEO TV

# TV/AV



### PC Mode Function

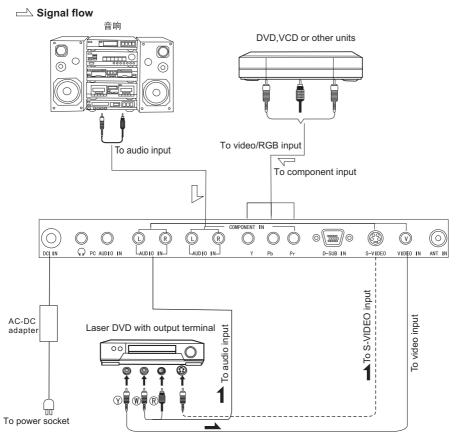
PC mode functior	1		
	Image adjustment		
MENU	You can adjust the contrast, b position of the image.	rightness and the	
$\bigcirc$	1、Press TV/AV to select PC-RGB.		
CH+	2、Press MENU and CH+/- to select the option you want to adjust.	BRIGHTNESS	
VOL-	3、Press MENU to confirm and VOL+/- to adjust.	IMAGE SETTING COLOR SETTING OSD SETTING	
$\sim$	Main menu:	SOUND SETTING	
CH-	CONTRAST: To adjust the contrast of the picture.	➡ INPUT SOURCE 1024X768 60HZ	
	BRIGHTNESS: To adjust the brightness of the picture.		
	Sub-menu:	AUTO CONFIG	
	AUTO CONFIG: Adjust the position and size of the picture automatically.	PHASE   50     CLOCK   50     H-POSITION   50     V-POSITION   50	
	PHASE: Improve the quality of the picture.	50	
	CLOCK: Adjust the picture size on horizontal.	NATIVE	
TV/AV	H-POSITION: Adjust the horizontal position of the picture.	9300K 6500K USER	
	V-POSITION: Adjust the vertical position of the picture.		
	COLOR SETTING menu:		
	You can select the color you like. Press CH+/- to select them.		
	Note: If some picture can not be set automatically, you should set it manually.		



### Connection

### Connecting additional equipments

You can connect the DVD,VCR to the set to enjoy a higher quality of picture .



Note: Please do not use the S-VIDEO and AV terminals simultaneously.

### Headphone port

Plug the headphone in the television headphone port, then the television program sound will be heard from the headphone, not by the television speaker. Press VOL+/- buttons to increase or decrease the sound volume. No sound will be heard if MUTE button is pressed.



### Connection(continued)

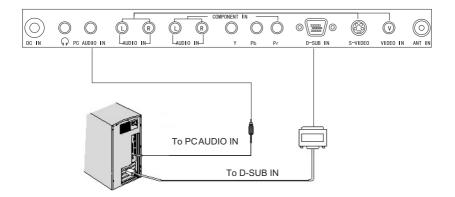
### Connecting additional equipments

#### **VGA** input

- 1. Link VGA output port of a PC to the D-SUB IN port of the television.
- 2. Link audio cable of a PC to PC AUDIO IN port of television.
- 3. Press TV/AV button to select PC-RGB mode.

4. Turn on the PC and its screen picture will be displayed on the television screen.

In this way, the television can be used as a PC monitor.



Mode	Resolution	Line frequency (Khz)	Frame frequency (Hz)
VGA	<mark>640*480</mark>	31.5KHz	60Hz
SVGA	800*600	37.9KHz	60Hz
XGA	1024*768	48.4KHz	60Hz
SXGA	1280*1024	63.9KHz	60Hz

Note: All above listed are subject to VESA Criteria.

### Troubleshooting

## Before arranging for service, firstly know the status and then check simply as follows:

Used as TV

:
input. ted.
et. oblem solved.
chapter
arch.
els. Dior
, 10 rsupply. r-sales
arch els. blor

Following are some reference specifications, which may vary from that of the television that you have just purchased due to technical innovations.

Model	L20AV6-A0	
Size/W eight	W: 550mm	D: 165mm
Size/ w eigint	H: 450mm NG: 7.4Kg	
Power	Connected to t	he AC-DC adapter
Color/Sound system		PAL 
Power consuption		50W
Antenna input		75 Ω
Audio output	≥1.5W+1.5W	
External input	AV input,PC input,S-video input,COMPONENTinput,PC audio input, 12V DC input, Antenna input	
AC-DC adapter	Input : ~100V-240V, 50/60Hz, Output : 12V, 5A	
Temperature	Working: 5℃~35℃ Storage: -15℃~45℃	
Accessories		er cable er's Manual

