

# DENVER®

## DFT-709

### Operation Instructions







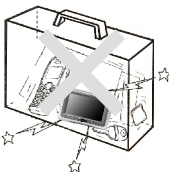

### LCD Color TV Receiver

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# 1. Precautions

## ■ Storage and Keeping

	<p>Keep this machine away from too hot or too cold places. The storage temperature of this machine is -20~60℃, the application temperature of this machine is 0~40℃.</p>		<p>Never use this machine near bathtub, washbasin, and kitchen, etc places with water or at damp basement, swimming pool or similar places.</p>
	<p>Never make the TV set under effect of moisture, dust or oil smoke etc. environment.</p>		<p>Avoid this machine from dropping or impacting.</p>
	<p>Never put this machine within certain box at your will or place it at too-oscillating place and under further severe collision.</p>		<p>Never extrude or chafe this machine with sharp objects.</p>

## ■ Maintenance

**Please plug off all connection wires before you start cleaning this machine.**

	<p>Please wipe the machine cover, display screen and buttons with soft cloth dipped with little soft abluent.</p>		<p>Never wipe this machine with abrasion cloth, abstergent powder, alcohol and benzene etc. various propellants or chemical cleaning media.</p>
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## ■ Operation Precautions

1. Only the attached AC adapter and the automobile adapter (12V) are suitable.
2. For the sake of safety, when you do not intend to use the display, please plug off the AC adapter or automobile adapter.

## ■ Earphone Operation Precautions

1. Please don't tune your headphone / earphone to too high volume, otherwise, it may lead to inconvenience and danger to yourself and other people.
2. For open-designed earphone, to avoid influencing your periphery, please tune down the volume.
3. In case of any tinnitus, please tune down the volume or stop using this machine.
4. It is recommended by the aurists that never use the earphone continuously for a long time.



### **Warning!**

1. For the sake of safety for yourself and others, please don't watch or turn on the TV set while driving.
2. It is very dangerous to watch or operate TV while driving.



### **Special Notice**

A few highlights or dark spots may occur on the LCD screen. It is a very common phenomenon to the active matrix display technology, and never necessary means any defects or faults. Never try to repair this machine by yourself. In case of any fault or failure, please turn off the display at once, and notify our Company or the corresponding dealer. The display is made up of many precision electronic components. Any disassembly or modification may lead to damage or broken.

## 2. Accessories



Base support



Double-side  
adhesive tape  
for base support



AC adapter



Car adapter



Battery  
compartment

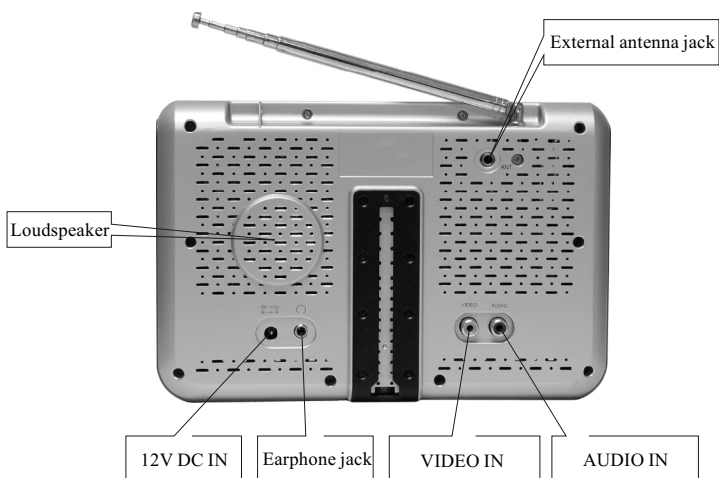
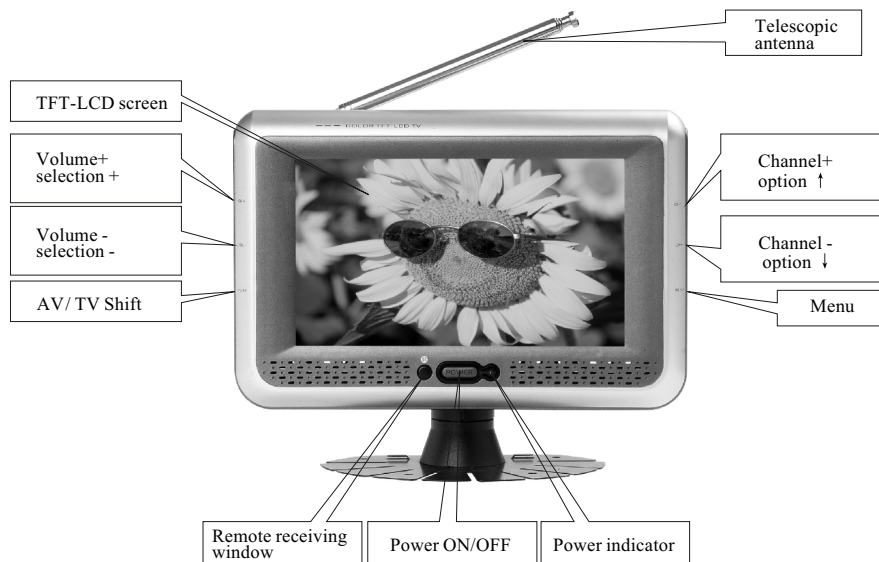


Remote  
controller

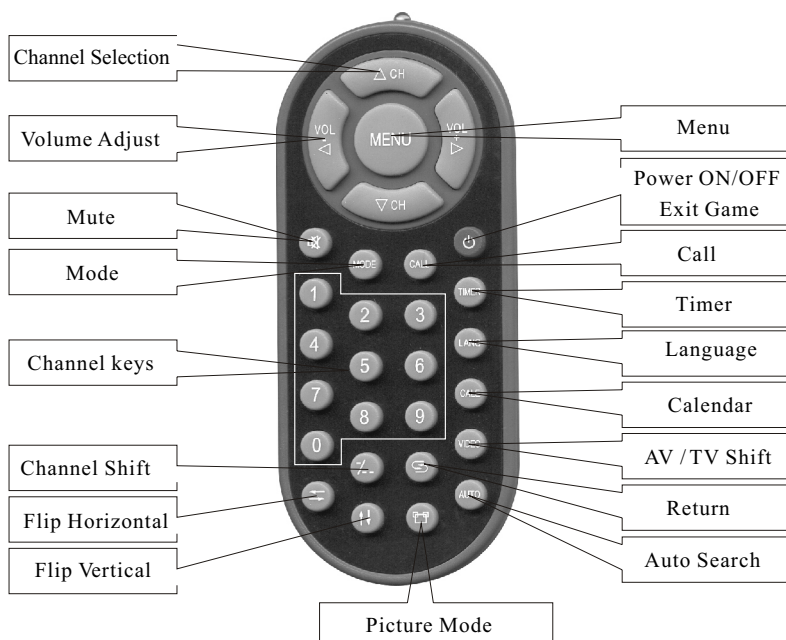


Earphone

### 3. Appearance







## 4. Remote Controller Operation



### Caution

- 1) Please align the remote controller with the infrared-receiving window on TV set in operation.
- 2) Never oppress, drop, wet or disassembly the remote controller.
- 3) Never press any button continuously and swiftly. Operation interval is at least 2 seconds.
- 4) Press Power to turn on the machine before pressing CH+, CH- for channel selection.

● **Channel keys (digit key (0-9) and - / - -):** There are 0 ~ 254 in total of 255 channels available on the remote controller for your option by the 11 buttons of 0-9 and - / - - on the remote controller. When the channel is a one-digit figure, just press the corresponding digit button. If the channel is a two-digit figure, you should press - / - - first to show - / - - on the display screen before further pressing the corresponding digit buttons.

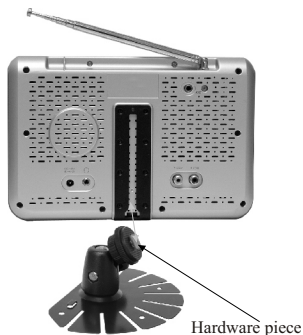
- CH ▼/▲ (Channel selection):  
Press CH ▲ , the number of TV channel increases.  
Press CH ▼ , the number of TV channel decreases.
- VOL -/ + (Volume adjust)  
Press VOL - , the volume of TV set decreases.  
Press VOL + , the volume of TV set increases.
- MODE (Mode):  
By pressing this button, users can realize the five picture mode of Standard, Soft, Vivid, Light and personal.
- POWER (Power switch):  
Press this button to turn on the TV set, press it again to turn off the machine. Press this button in game status to exit game.
- MENU (Menu button):  
Press this button to display the following five submenus: PICTURE  
OPTION CLOCK SYSTEM PRESET.
- MUTE (Mute):  
Press this button, sound disappears, press it again or VOL+/ VOL- to resume normal sound.
- CALL (Call):  
Press this button to display the character of program currently watching.
- TIMER:  
Time setup of sleep off, it is used to set the time off within 120 minutes.
- LANG:  
Press this button can realize the switch of English, Chinese, Russian, Italian, Spanish, Portuguese, German and Arabic OSD menu.
- CALE:  
Press this button to show Year, Month, Day and Week. Press CH -/CH + to adjust the Year, press VOL - / VOL + to adjust the Month.
- VIDEO (AV /TV shift):  
Press this button to realize switch between AV and TV pictures.
- AUTO:  
Press and hold this button for 5 seconds can realize automatic channel search.
-  (Return) :  
Press this button can return to previous channel, press it again return to current channel.
-  : Press this button to flip the picture horizontally, and press it again to resume image.
-  : Press this button to flip the picture vertically, and press it again to resume image.
-  : Picture Mode: Three screen modes in the zoom mode of 0.16:9; 1. 4:3, and 3. 16:9-1 are available for your option.

## 5. Basic Operation Methods

### ■ Basic interface connection

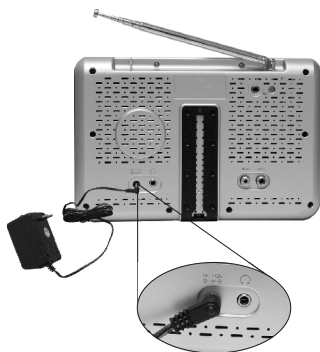
#### 5.1 Installation Method of Base Support:

Align the hardware piece on base support with the bottom groove on hardware piece of rear TV cover before moving upward and rotating the fixation button till fix the TV set onto the support.



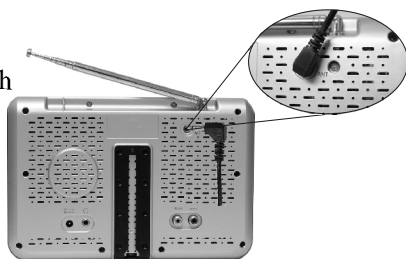
#### 5.2 Connection Method of Power Supply:

Align the power supply plug on AC adapter with the jack on the machine cover marked with DC12V.



#### 5.3 Connection Method of External Antenna Conversion Line:

Align one end of the attached antenna conversion line with the antenna jack on TV set and connect the other end with the plug of the external antenna.

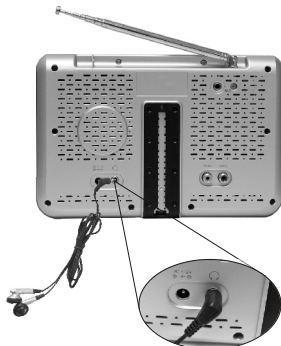


### Notice

If receive with telescopic antenna, please pull out the antenna conversion line.

#### 5.4.Connection Method of Earphone:

Align the earphone plug with the earphone jack on the TV set, and just plug in till its end is OK.



#### Caution

If earphone is applied, the sound only transmits through the earphone, and no sound is available from the TV set.

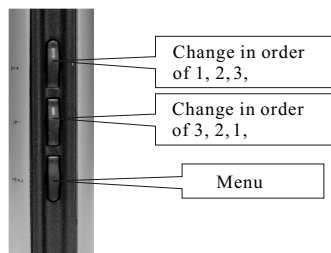
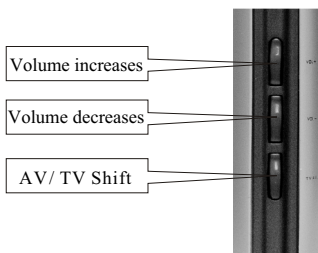
#### 5.5.Connection Method of AV Input

Just insert the external video line into the yellow video jack, and audio line into the red audio jack.



#### ■ Basic operation methods of TV set

1. Connect with power supply and turn on the power switch.
2. Pull out telescopic antenna.
3. Press CH-/CH+ to choose the desired channel.
4. Adjust the sound volume of the TV signal.



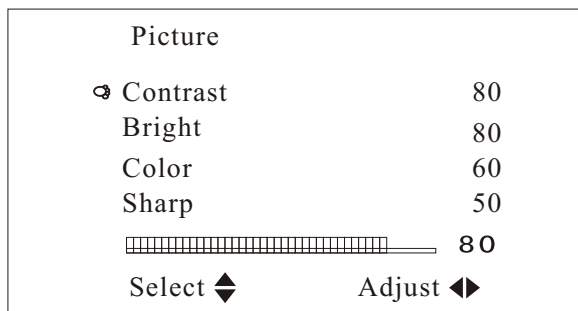
## 6.Menu Operation

Press MENU to display options as follows:

PICTURE	OPTION	CLOCK
SYSTEM	PRESET	

### 6.1 Picture

Contrast, bright, color, Sharp and TINT displays on the screen as illustrated below:



CH ▲ / CH ▼ Select    VOL+ / VOL- : Adjust

Press CH+ or CH- to select the item Contrast. Press VOL+ or VOL- to adjust the analog quantity of Contrast. Press CH+ or CH- in turn to select Bright, Color and Sharp, and can also adjust the analog quantity of Bright, Color and Sharp.

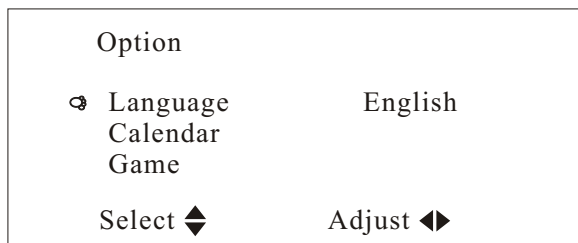
#### Notice

Only when displaying the picture of NTSC system, it will show the character of TINT in the Picture menu.

### 6.2 Option

Language Calendar and Game displays on the screen as illustrated below:

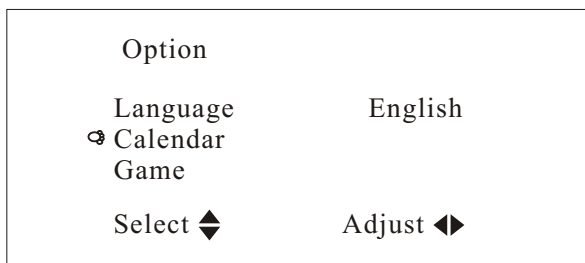
● Press CH-/CH+ to select the item Language:



CH ▲ / CH ▼ Select    VOL+ / VOL- : Adjust

Press VOL - / VOL + can realize selection of English,Russian,Chinese, Italian,Spanish,Potuguese,German and Arabic OSD menu.

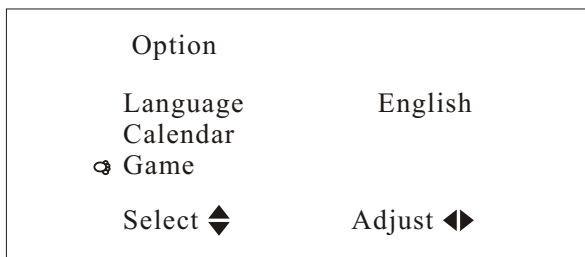
● Press CH-or CH+ to select the item Calendar:



CH ▲ / CH ▼ Select    VOL+ / VOL - : Adjust

Press VOL-/VOL+ adjust calendar, then press CH+/CH- adjust year, and press VOL-/VOL+adjust month.

● Press CH+/CH- to select the item Game:



CH ▲ / CH ▼ Select    VOL+ / VOL - : Adjust

Press VOL+ / VOL- to enter into Game, press VOL- to move leftward, VOL +, rightward, CH -, quick downward, and CH+, rotate the game by 360 degrees, press POWER to exit game and resume to picture or video status.

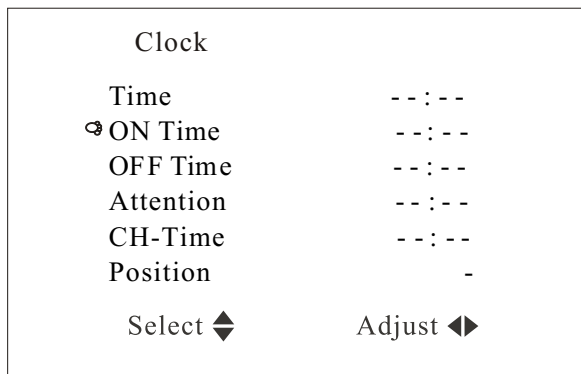
### Notice

When play games under weak or no signal, the game bar will twist slightly. It is recommended to switch to video status before you playing the game again.

### 6.3 Clock

Time, ON Time, OFF Time, Attention, CH- Time, and Position will display on the screen as illustrated below:

- Press VOL-/VOL+ to set up clock, then press CH- /CH+ to choose ON Time.



VOL-Adjust hour VOL+ Adjust minute CH- / CH+ Select items to be setup

Press VOL-/VOL+ setup ON Time, press CH-/CH+ to choose CH- Time. Upon setup, press CH-/CH+ again to choose Position, and press VOL-/VOL+ to adjust till the channel number of desired program, and then you can preserve your desired program



#### Notice

Adjustment of other items is the same as that On Time, and setup On Time for all items is 24 hours at the most.

### 6.4 System

Color System, Sound System, Blue Back, Horizontal Vertical and Picture Mode displays on the screen as illustrated below:




- Press CH- or CH+ to select the item Color system:

System	
Color system	AUTO
Sound system	6.5M
Blue back	ON
Horizontal	↔
Vertical	↑↓
Zoom	0
Select 	Adjust 

CH ▲ / CH ▼ Select    VOL+ / VOL - : Adjust

Then press VOL or VOL+ to revolve the screen in the order of AUTO, PAL, N3.58, N4.43 and SECAM. Please choose carefully this system correctly. Otherwise, it may cause achromatic or inferior color. It is recommended to select on AUTO position.

● Press CH- or CH+ to select the item Sound system:

System	
Color system	AUTO
 Sound system	6.5M
Blue back	ON
Horizontal	↔
Vertical	↑↓
Zoom	0
Select 	Adjust 

CH ▲ / CH ▼ Select    VOL+ / VOL - : Adjust

Then press VOL+, the Sound System displays in the order of 5.5M, 6.0M and 6.5M.

#### Notice

- Notes on Sound System: 5.5M means B/G, 6.0M stands for I, and 6.5M is D/K, please set the Sound System at local one.
- In case with picture while without sound or with noise, please check the Sound System for correct setup first.

● Press CH- or CH+ to select the item Blue back:

System	
Color system	AUTO
Sound system	6.5M
☞ Blue back	ON
Horizontal	↔
Vertical	↑↓
Zoom	0
Select ⬇️⬆️	Adjust ⬅️➡️

CH ▲ / CH ▼ Select VOL+ / VOL- : Adjust

Press VOL- / VOL+ can realize the ON / OFF of Blue Back under no signal.

● Press CH- or CH+ to select the item Horizontal:

System	
Color system	AUTO
Sound system	6.5M
Blue back	ON
☞ Horizontal	↔
Vertical	↑↓
Zoom	0
Select ⬇️⬆️	Adjust ⬅️➡️

CH ▲ / CH ▼ Select VOL+ / VOL- : Adjust

Press VOL- / VOL+ can realize horizontal , press again to resume the picture.

● Press CH or CH+ to select the item Vertical:

System	
Color system	AUTO
Sound system	6.5M
Blue back	ON
Horizontal	↔
☞ Vertical	↑↓
Zoom	0
Select ⬇️⬆️	Adjust ⬅️➡️

CH ▲ / CH ▼ Select VOL+ / VOL- : Adjust

Press VOL- / VOL+ can realize vertical flip, press again to resume the picture.

● Press CH- or CH+ to select the item Zoom:

System	
Color system	AUTO
Sound system	6.5M
Blue back	ON
Horizontal	↔
Vertical	↑↓
Zoom	0
Select ◀▶	Adjust ◀▶

CH ▲ / CH ▼ Select    VOL+ / VOL- : Adjust

Press VOL- / VOL+ can realize the selection of picture modes:  
0. 16:9 mode, 1. 4:3 mode, and 3. 16:9-1 picture enlargement mode.

### 6.5. Preset

Position, Remember, Band, Swap, Fine, Search, and Auto Search will display on the screen as illustrated below:




● Press CH- or CH+ to choose the item Remember:

Preset	
Position	1
Remember	ON
Band	V-L
Swap	1
Fine	
Search	
Auto Search	
<div style="border: 1px solid black; width: 100%; height: 15px;"></div>	
Select ◀▶	Adjust ◀▶

CH ▲ / CH ▼ Select    VOL+ / VOL- : Adjust

Press VOL- or VOL+ to choose ON under the item Remember, it then displays this channel upon changing program. In Off, it doesn't display the Channel Number.

● Press CH- or CH+ to select the item Auto Search:

Preset	
Position	1
Remember	ON
Band	V-L
Swap	1
Fine	
Search	
⌚ Auto Search	
	
Select 	Adjust 

CH ▲ / CH ▼ Select      VOL+ / VOL- : Adjust

Press VOL- or VOL+ to start Auto Search, and put into automatic memory and storage upon completion of Auto Search. Choose channel in order of V-L → V-H → UHF, and return to Program No. 0 upon completion.

#### Notice

(1) Auto Search → Start from Program No. 0.

(2) When receive signal under Search, the Program Indication Bar should turn from red into green, which means the optimum position for signal storage. If channel under weak signal is received, the channel storage system will automatically identify it as no signal.

## 7. In order to receive clearer picture

Adjust the length, angle and direction of the telescopic antenna to obtain optimum image.

Draw back the antenna from the butt end after usage.

### **Notice**

In case the signal intensity is too weak, the image will remain inferior whatever you adjust the antenna, and cause loud noise wave, shaking image and inferior sound, etc., which is not TV fault. If the image remains inferior when using telescopic antenna, please try to use the external antenna or CATV.

## 8. Before you request for repair

Phenomena below does not necessarily mean failure with TV set.

Please check following before you request for repair.

Phenomena	Possible Causes
No picture, no sound	Improper connection with AC adapter or Care adapter. Use of unauthorized power supply. Power Switch is on OFF position.
No image	Whether the correct Channel selected. Automatically set up the Receiving Channel again. Any new place is subject to re-setup of channels.
No sound	Whether the sound is turned to the end or the Sound System is incorrect. Whether earphone plugged in. Whether ERASE functions under too weak signal.
Dark picture	Whether brightness and contrast adjusted correctly; Whether environment temperature too low.
Unclear or unstable image	Whether antenna adjusted correctly; Maybe too weak signal received at the receiving place.
Superposed image	Whether the antenna is in proper direction; Maybe received the building or reflected signals nearby.
Snowstorm	Maybe under wave interference of automobile motor, train, high voltage line and neon light.
Achromatic or flashing color	Whether color adjusted well, whether the decoloration actions under the Color system with too weak proper signal.
Upside down or lateral inverted picture	Improperly adjusted Horizontal or Vertical in the remote control.

## 9. Technical Parameters

**Product Name:** LCD Color TV Receiver:

**Display Device:** Color TFT-LCD

**Receiving Channel:**

**BG:** VHF-L: CH2~4 48.25MHZ~62.25MHZ;  
VHF-H: CH 5~12 175.25MHZ~224.25MHZ;  
UHF: CH 21~69 471.25MHZ~855.25MHZ;  
**DK:** VHF-L: CH1~5 49.75MHZ~85.25MHZ;  
VHF-H: CH 6~12 168.25MHZ~216.25MHZ  
UHF: CH 13~57 471.25MHZ~863.25MHZ

**Sound System:** DK ☐ I ☐ BG ☐

**Screen Size:** 7 inches

**Audio Output:** 0.3W (Max)

**Loudspeaker:** one 4cm round loudspeakers.

**Connecting Terminal:** External antenna input jack, earphone jack,  
Audio / Video (AV) input jack, External power supply jack.

**Applicable Power Supply:** 3 options:

- 1.AC Power supply-AC adapter
- 2.Automobile storage battery (12V) Car adapter
- 3.10 pcs. “aa” (um3) battery compartment

**Power Consumption:** about 10W

**Outer Dimension:** W 216mm × H144mm × T 33mm

**Weight:** about 622g

**Dot Matrix:** 0.129(H) × 0.447 (V)

**Resolution:** 1440 (H) × 234 (V)

**Response Speed (ms):** R: 30 / F:50

**Visible Angle:** U: 15 / D:35 R / L: 50

**Brightness:** 300cd/m<sup>2</sup>

**Contrast:** 150:1



## **Warning**

This operation instruction is only intended for reference. No further notice is available to any modification of all information contained therein. Sound System, Color system and OSD menu language are optional item, please check before usage.



## **Warning**

No repairable components exist in the machine. Don't try to dismantle and improve the TV set, and the high voltage in the machine may cause danger. Maintenance and adjustment of the TV set is subject to professionals.

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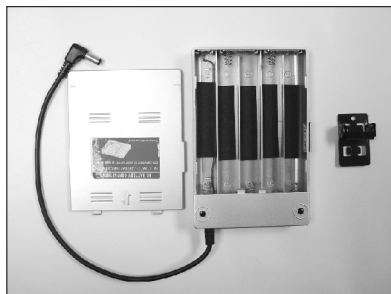


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# Instruction of Automatic battery power-supplying box for LCD TV

The automatic power supplying box for TV makes up of the box with 10 pcs of AA batteries and with fixed parts (bracket and bolts) and wires leading to the jacks of TV set. By way of right use of the automatic power-supplying box, please carefully read this instruction and properly operate it as follows.

Product picture 1



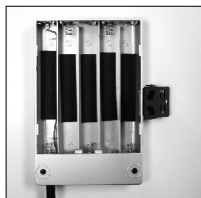
1. Open the cover of battery box.
2. Connect bracket to box.
3. Insert the batteries.

## Remarks!

Please insert with right direction of the poles! Do not use batteries of different models, using condition and capacity!

Don't allow water into the box! Don't use battery pack!!!

Step 1-3



Step 4



Step 5



Step 6



4. Close the cover of the box.
5. Fix the bracket to TV set by the bolts.
6. Connect power wire to corresponding power jack on TV set.
7. Press a button on front panel of TV set so that it will be turned on.

Step 6



When you need recharge the batteries, you shall adjust the switch on side face of the box to CHARGE and connect the adapter to the jack on the battery box. In the state of connecting the adapter, red indicator lights on. It takes 12 for full charging. When using the box with charged batteries, you shall adjust the switch to POWER and connect the box with batteries to TV set.

Your TV set will start to work. You may use battery box as a support so as to see TV program or TV film conveniently.

Working time of the automatic battery power-supplying box depends on the capacity of the batteries. If using batteries with capacity 1200 mAh, the working time is about 2 hours for 5" (127 mm) TV set or 1.5 hours for 7" (178 mm) TV set.