

# 7" Under-the-Counter LCD FCM-0700A

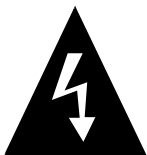
## Operating Manual



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## Important Safety Instruction



### CAUTION

**RISK OF ELECTRIC SHOCK  
DO NOT OPEN!**



**CAUTION:** TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USE-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

**WARNING:** TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OF MOISTURE.

### **POWER SUPPLY:**

Connect the supplied adapter to the side of the DVD player in the slot marked “Power In”. Plug the two-prong end of the power cord to an AC100-240V outlet. If you have difficulty inserting the plug, turn it over and reinsert it, if the unit will not be used for a long time, disconnect the plug from the outlet.

### **NOTE:**

Before plugging the power cord into an AC outlet, make sure that all the connections have been made.

**CAUTION:** These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer to service manual for servicing instructions.

# **Important Safety Instruction**

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## **Notes:**

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Maintain well ventilated conditions around the product. Do not put product on bed, sofa or anything that blocks ventilation. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.



## **Copyright Protection**

Unauthorized copying, broadcasting, public performance, and lending of disks are prohibited. This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

## **FCC Notice**

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Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

# **Characteristic Features**

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This product has incorporated LCD display, TV receiver and radio function in one system. It is designed for convenient use in the kitchen; please refer to page 21 for the installation instructions.

## **Multiple Mode**

**TV mode**

**Radio function**

**External Audio/Video Input mode**

## **TV Functions**

Receive TV signal clearly.

Search for TV channels automatically.

Memorize the channels automatically.

## **Radio Functions**

Receive AM/FM signal clearly.

Search for radio stations automatically.

Store radio stations easily.

Search for radio stations in high or low frequency range.

## **High Quality Properties**

### **Screen**

Support the picture of normal screen (4:3) and wide screen (16:9).

### **AV Input**

External Audio/Video input can be connected to most external AV sources.

### **LCD (Liquid Crystal Display)**

Color LCD screen clearly shows data.

### **Amplifier Function**

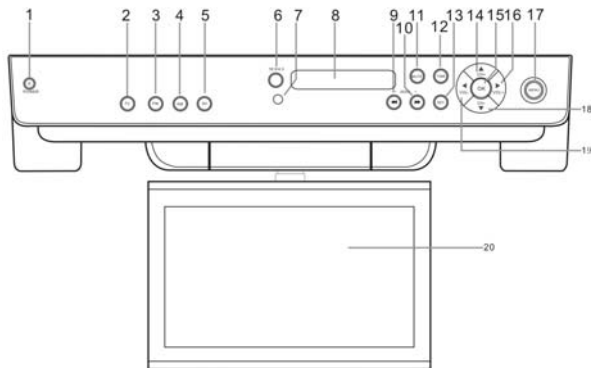
Built-in 2x2.5w stereo amplifier and left and right speakers.

### **Switching Power Adapter**

Automatically adapts to voltage required.

# Front Panel

## Front Panel Drawing



### 1. POWER button

Press to access to or exit the STANDBY mode.

### 2. TV button

Press to enter TV mode. Or under TV mode, press to display the current channel number on the display panel.

### 3. FM button

Press to enter FM radio mode.

### 4. AM button

Press to enter AM radio mode.

### 5. AV button

Press to enter external AV input mode.

### 6. 16:9/4:3 button

Press to shift the aspect ratio between 16:9 and 4:3.

### 7. Remote Sensor

Receives remote control signal for operation.

### 8. Display panel

Display the time, status, radio frequency and radio station number.

When adjusting volume, the VOL and volume level will be displayed on the display panel for several seconds.

### 9. SEEK - button

Under radio mode, press once to fine tune frequency backward. Press for about 1.5 seconds to search radio stations backward automatically.

### 10. SEEK + button

Under radio mode, press once to fine tune frequency forward. Press for about 1.5 seconds to search radio stations forward automatically.

### 11. MUTE button

Press to turn on or off the speaker output. The corresponding information will be displayed on the display panel.

### 12. TIME button

Press it once to display the time on the display panel. In standby status, the time is still displayed on the panel.

Press it again to set the time on the display panel. Use the ◀ ▶ buttons to select the editing position of hour or minute, and then use the ▲ ▼ buttons to adjust the value of the hour or minute upward and downward.

### 13. SET button

Press to enter and exit from the timer setup menu. Or Press to memorize the station under AM/FM status.

### 14. ▲

Press to select items in the setup menu. Press to select channels or radio stations forward under TV or radio mode. Press to adjust the value upward when setting the time on the display panel.

### 15. OK button

Press to confirm selections in setup menu.

## Rear Panel and display panel

### **16. ►**

Press to select items in the setup menu.  
Or press to increase the volume. Or  
press to increase the value in the picture  
setup menu.

### **17. MENU button**

Press to enter the system setup menu.

### **18. ▼**

Press to select items in the setup menu.  
Press to select the channels or radio  
stations backward under TV or radio  
mode.

Press to adjust the value downward  
when setting the time on the display  
panel.

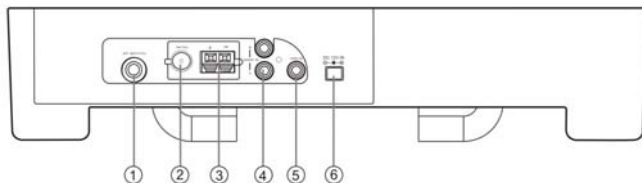
### **19. ◀**

Press to select items in the setup menu.  
Or press to decrease the volume. Or  
press to decrease the value in the  
picture setup menu.

### **20. LCD screen**

Present high resolution picture.

## Rear Panel Drawing



### **1. ANT INPUT jack**

Connected to external antenna to  
receive the TV program in TV mode.

### **2. FM 75 Ω coaxial antenna jack**

### **3. AM antenna jack**

### **4. Left/Right AUDIO input jack**

Connection for audio input.

### **5. VIDEO input jack**

Connection for video input.

### **6. Direct current 12V input jack**

## Display Panel Drawing



### **1. FM radio status indicator**

### **2. AM radio status indicator**

AM time indicator

### **3. PM time indicator**

### **4. Hour or character indicators**

### **5. Minute or character indicators**

### **6. Character indicators**

### **7. FM frequency unit of MHz indicator**

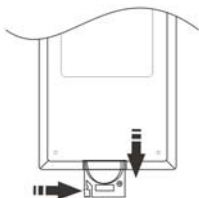
### **8. AM frequency unit of KHz indicator**



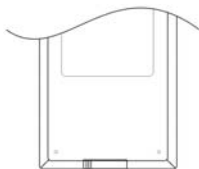
# **Remote Control**

## **Preparation**

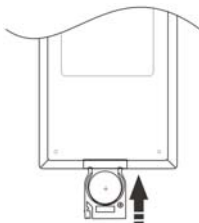
Refer to the drawing, and remove the empty battery receptacle.



Insert the battery into the receptacle, please make sure the polarity matches the marks inside the component.

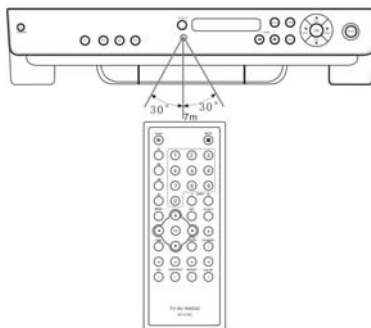


Insert the receptacle into the remote control.



## **Use Of Remote Control**

Please directly point the r/c towards the main unit when operating. The r/c works properly in a distance below 7m and at an angle of up to 60° to the front of the unit. No obstacles may stand in the way between r/c and infrared sensor.



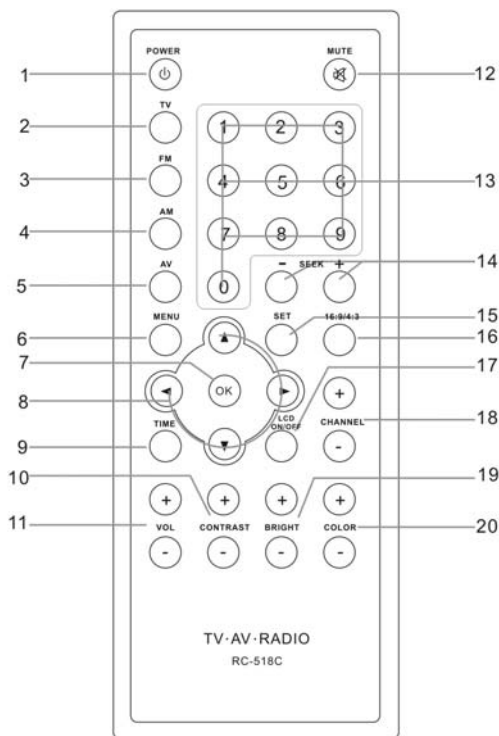
The batteries normally last for about six months, although this depends on how often, and for what operations the remote control is used.

If the remote control unit fails to work even when it is operated near the player, replace the batteries.

If the r/c is not used for a long period of time, please remove the batteries from the compartment, to prevent damages by leakage.

# Remote Control

## Remote Control Drawing



### 1. POWER button

Press to access to or exit from the STANDBY mode.

### 2. TV button

Press to enter TV mode.

### 3. FM button

Press to shift to FM signal input mode.

### 4. AM button

Press to shift to AM signal input mode.

### 5. AV button

Press to shift to external AV input mode.

### 6. MENU button

Press to enter the system setup menu.

# Remote Control

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## 7. OK button

Press to confirm selections.

## 8. ◀ ▶ ▲ ▼

Press to select menu items or settings.

Press ◀ ▶ buttons to adjust volume. Or press to adjust value in the picture setup menu.

Press ▲ ▼ buttons to select channels or radio stations forward and backward in TV or radio mode. Or press to adjust the value of time when setting time on the display panel.

## 9. TIME button

Press it once to display the time on the display panel. In standby status, the time is still displayed on the display panel.

Press it twice to set the time on the display panel. Use the ◀ ▶ buttons to select the editing position of hour or minute, use the ▲ ▼ buttons to adjust the value of the hour or minute upward and downward.

## 10. CONTRAST +/-

Press to adjust the contrast level.

## 11. VOL +/-

Press to increase or decrease the speaker volume level.

## 12. MUTE button

Press to turn on/off the speaker output. The corresponding information will be displayed on the display panel.

## 13. 0-9 number buttons

Select numbers by pressing these buttons.

## 14. SEEK +/- button

Under radio mode, press once to fine tune frequency forward or backward. Press for about 1.5 seconds to search radio stations forward or backward automatically.

## 15. SET button

Press to enter and exit from the timer setup menu. Or Press to memorize the station under AM/FM status.

## 16. 16:9/4:3 button

Press to shift the aspect ratio between 16:9 and 4:3.

## 17. LCD ON/OFF button

Press to turn on or off the LCD screen display under TV and AV mode.

## 18. CHANNEL +/-

Press to select channels forward and backward under TV mode.

Press to select stations forward and backward under AM/FM mode.

## 19. BRIGHT +/-

Press to adjust brightness level.

## 20. COLOR +/-

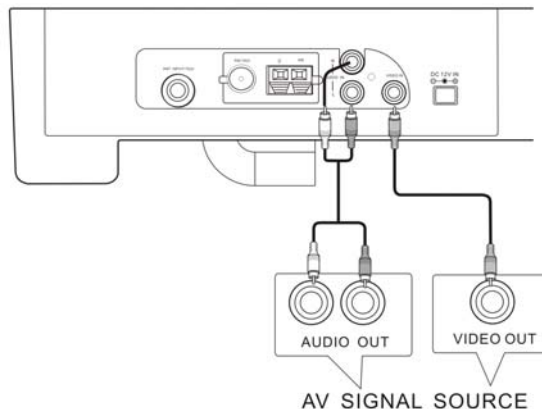
Press to adjust color of the picture.

## **System Connections**

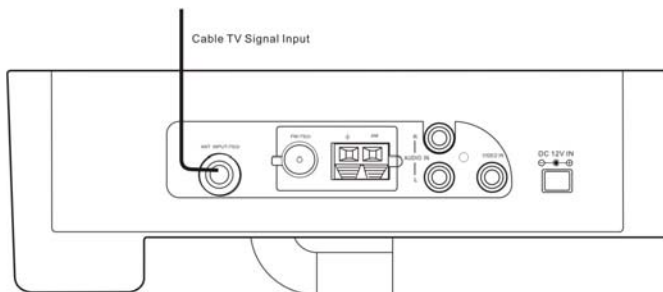
- Do not connect the power cord until all other connections have been made.
- Each time you restart the unit, it remembers the last function used.

### **Connecting To External AV Signal Source**

Connections should be made as follows:



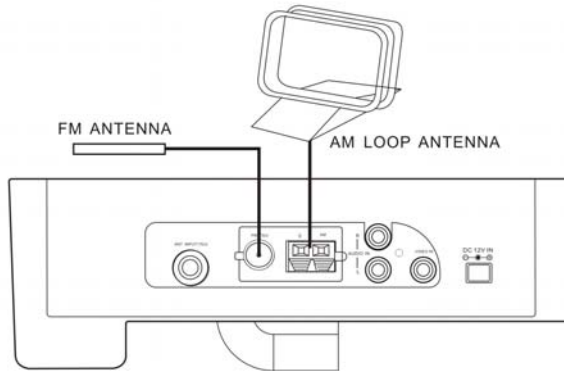
### **Connecting To TV Signal Input Source**



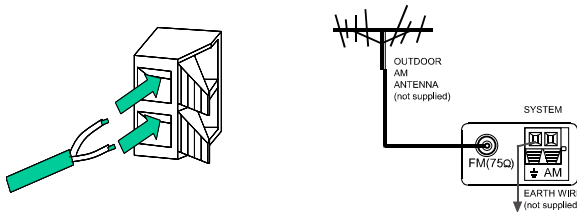
# System Connections

## Connecting To Antenna

Connect the supplied AM/FM antennas to listen to the radio.



- In order to improve the signal, move AM loop antenna away from system and other equipment.
- Extend FM antenna fully.
- Keep the FM antenna as horizontal as possible after connection.
- When connecting the supplied AM loop antenna, connect two black cords to AM and ground jacks as shown below.



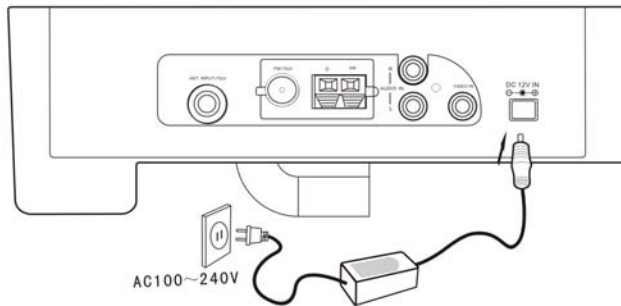
- If the FM reception is poor, please use a 75  $\Omega$  coaxial cable (not supplied) to connect system to an outdoor FM antenna as above.
- If you connect the system with outdoor FM antenna, you should earth the system in order to avoid lightning strike.
- Do not connect the earth wire to gas pipe to prevent gas explosion.

# **System Connections**

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## **Connecting To the Power Adapter**

This unit is powered via the switching power adapter (supplied). See the below figure for details:



1. Connect the AC adapter to jack marked with “DC 12V IN” on the rear panel of the unit.
2. Plug the two-prong end of the power cord to the grounded electrical socket.
3. When not using the unit, turn off the power of the unit first, and then unplug the power supply to prevent malfunctions.

# **Radio Function**

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## **Radio Function Operation**

Press the AM or FM button on the remote control or front panel to enter AM or FM radio mode. Then press the SEEK+/- button for about 1.5 seconds on the remote control or front panel to start searching forward/backward from the current frequency. Press the SEEK+/- button again to stop searching. Radio frequency will be displayed on the display panel. The frequency range of FM is from 87.5MHz to 107.9MHz, frequency range of AM is from 520KHz to 1710KHz.

### **Fine Tuning**

Press the SEEK+/- button on the remote control or front panel once to fine tune the frequency forward/backward under radio mode.

### **Semi-memorizing radio stations**

If you like a radio station and want to store it for later listening, press the SET button to memorize it. "SAVE X X" will be displayed on the display panel; "X X" represents the default station number.

There are two methods to organize the memorized stations:

- Use the ▲ ▼ buttons to adjust the channel number for your preference, and then press the SET button again, the station will be memorized with the coded station number.
- Press the SET button again, the station will be automatically memorized with the default station number in sequence.

You can store radio stations from 0 to 19, total 20FM or 20AM radio stations. If no buttons are pressed within 3 seconds of pressing the SET button first time, the frequency will appear on the display panel again, and the station will not be stored.

### **Accessing memorized radio stations**

- Press the number buttons on the remote control to access a radio station by its memory location code.
- Press the CHANNEL+/- button on the remote control to select stations forward and backward.
- Press the ▲ ▼ buttons on the remote control or front panel to select the radio stations forward and backward.

When selecting the stations, the "CH XX" will appear on the display panel, where the "XX" is the channel number of the stored radio station. After a few seconds, the "CH XX" disappears and the radio frequency will be displayed once again.

# TV Function

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## Basic Operation

Connect the antenna to the antenna jack on the rear panel. After connecting the antenna, connect the power supply cord. If the player is in standby mode, press the POWER button on the front panel to turn on the power.

Press the TV button on the remote control to shift to TV mode.

Press the CHANNEL +/- buttons or ▲ ▼ buttons on the remote control, or use the number buttons directly, to select the desired channel.

Some preferences can be preset:

## Picture Parameter Setup

Press the MENU button once on the remote control to enter PICTURE setup menu, and screen display as shown:

PICTURE	
Brightness	11
Contrast	13
Color	14
Language	English
Reset	
EXIT ◀	▶ TV SETUP

Use the ▼, ▲ buttons to select the item you want to set (Brightness, Contrast, Color).

Use the ►, ◀ buttons to adjust menu items between 0 and 20.

Use the ▼, ▲ buttons to select the Language, press the ►, ◀ buttons to select English, French or Spanish.

To restore a setting to the original value, use the ▼, ▲ buttons to select Reset, then press the OK button to confirm the change.

Press the ◀ button on the remote control to exit from the setup menu.

Press the ► button on the remote control to enter TV Setup menu.

## TV System Setup

When the ► button is pressed, the TV system setup menu will appear:

TV SETUP	
Signal	CATV
Channel	002
Skip	ON
Fine Tuning	
Auto Memory	
PICTURE ◀	▶ EXIT



# TV Function

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Use the ▼, ▲ buttons to select the item you want to set.

Use the ►, ◀ buttons to enter the item and to select.

Press the ► button on the remote control to exit from the setup menu.

Press the ◀ button on the remote control to return to the picture setup menu.

## Signal

Use the ► direction button to select CATV TV signal input mode.

Use the ◀ direction button to select AIR TV signal input mode.

## Channel

Use the ►, ◀ buttons to change the channel. In CATV input mode, you can select channels from 2 to 125; in AIR input mode, you can select channels from 2 to 69.

## Skip

When the ► button is pressed to turn the function ON, it will skip the current channel when using CHANNEL +/- or ▼, ▲ to select channels.

When the ◀ button is used to turn the function OFF, it will play the channels in sequence when selecting under normal playback status.

## Fine Tuning

Use the ▼, ▲ buttons to select Fine Tuning, and then press the ►, ◀ buttons to tune forward or backward from the current channel

## Auto Memory

Use the ▼, ▲ buttons to select Auto Memory, press the OK button to enter auto memory mode:



## **TV Function**

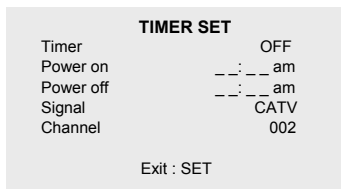
The auto memory will take a few minutes. The unit will search channels from the lowest channel to the highest channel in the standard channel list. When tuning operations are complete the unit will exit and store the channels by sequence in the memory.

During tuning, press the ◀ button to exit the auto memory.

Use the CHANNEL +/- or ▼, ▲ direction buttons to select the desired channel from those in memory.

### **Timer Setup**

Press the SET button on the remote control to enter Timer setup menu, the screen will display as below:



Use the ▼, ▲ buttons to select the item you want to set.

Use the ►, ◀ buttons to enter the item and to select.

Press the SET button again on the remote control to exit from the setup menu.

#### **Timer**

Use the ►, ◀ direction buttons to select ON or OFF. This function allows you to set the start time and end time of the desired signal source. Whether the player is under TV, radio or standby mode, If set this function on, the player will automatically start the playback of the desired signal source.

Select ON to activate the function; select OFF to disable the function.

#### **Power on**

To set the playback start time of the signal source. Use number buttons to input the desired start time in sequence of hour, minute. Press the ►, ◀ direction buttons to shift between am and pm.

## **TV Function**

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### **Power off**

To set the playback end time of the signal source use number buttons to input the desired time in sequence of hour, minute. Press the ►, ◀ direction buttons to shift between am and pm. When the playback of the signal source is over, the player will enter standby mode.

### **Signal**

Use the ►, ◀ direction buttons to select CATV, AIR, FM or AM.

### **Channel**

Use number buttons to input the desired TV channels. In CATV signal input mode, there are 124 channels to choose from (2-125); in AIR signal input mode, there are 68 channels to choose from (2-69).

Press the CHANNEL+/- buttons or ▲ ▼ buttons on the remote control to select the desired channel, or use the number buttons to input and then press the OK button to confirm.

### **Note:**

The function is active as long as the unit is continuously supplied with power. The unit will automatically play the selected input signal at the set start time and enter standby mode at the set end time each day.

# **AV Function**

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## **AV Function**

The player has an additional AV input so it can function as a monitor for a DVD player, video cassette player, satellite receiver, video game, etc. When an AV source is connected, press the AV button on the remote control to enter external input AV mode.

## **Picture Parameter Setup**

Press the MENU button once on remote control to enter PICTURE setup menu, and screen will display as shown:



Use the ▼, ▲ buttons to select the item you want to set (Brightness, Contrast, Color).

Use the ►, ◀ buttons to adjust menu items between 0 and 20.

Use the ▼, ▲ buttons to select the Language, press the ►, ◀ buttons to select English, French or Spanish.

Select Reset to resume the original status.

Press the ◀ button on the remote control to exit from the setup menu.

### **Note:**

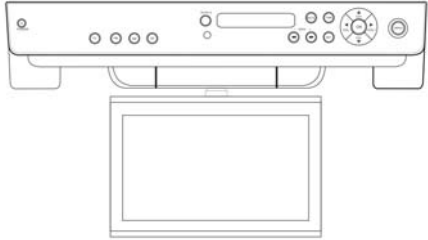
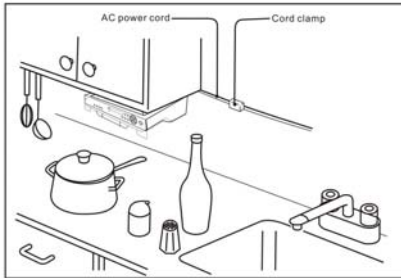
Under AV mode, if there is no signal, the LCD screen will be turned off automatically.

When connected to an AV signal source, make sure the video type of the selected AV signal source is NTSC.

# Installing the Unit in Kitchen

## Installing the unit under a cabinet

The player unit may be installed in the kitchen with or without the spacers. The suggested mounting position of the unit is under a wall cabinet. See drawings below:



**NOTE:** The dimensions of the player: 355mm X 75mm x285 mm (W/H/D)

There should be at least 35mm distance between the unit and the wall.

## Installing steps

1. Mark the position of the 4 holes by using the supplied template. Drill four 6.5 mm diameter holes. See below:



## **Installing the Unit in Kitchen**

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2. If the cabinet door overhangs the shelf and obstructs the unit, adjust the unit or the shelf height for clearance.
3. Install the unit with the supplied mounting screws.
4. There should be at least 35mm distance between the unit and the wall.

### **Quick hints**

- Since the unit is rather heavy, be careful while doing the installation work.
- To reduce risk of fire, do not place any heating or cooking appliance beneath the unit, especially while the LCD screen is open for viewing.
- Mount the unit so that its AC power cord can be plugged directly to a wall outlet. Do not use a converter or extension cord.
- Be sure that the AC power cord has no slack when the player is working, because the cord acts as an FM wire antenna. If the AC power cord has some slack, wind it up to the cord hook until the cord has no slack.
- The unit has a built-in ferrite bar antenna for AM radio reception. Check the condition of AM reception before fixing in position.
- Install the unit as far as possible from a source of noise, for example, refrigerator, microwave oven, fluorescent lamp, etc.

## **Troubleshooting**

<b>SYMPTOM</b>	<b>CHECK ITEM</b>
There is no sound.	Make sure system connection is correct. Make sure the player is not under muting mode. Press the MUTE button to turn on the speaker. Make sure the volume is adjusted to the lowest. Adjust the volume upward.
There is no picture or the position of the picture is incorrect.	Make sure the video type of the AV signal source TV is NTSC. Make sure system connection is correct.
The remote control does not work.	Make sure there are no obstructions between the remote control and the player. Make sure the remote control is pointing at the player. Make sure batteries are inserted correctly (check polarity). Replace weak batteries.

### **Other Notes:**

Static or other external interfere may cause the player to behave abnormally. If this occurs, unplug the power-supply cord from the outlet and plug it in again to reset the player. If the problems persist, then please disconnect the power and consult a qualified technician.

## **Specifications**

LCD screen size			7 inches
Radio	System		PLL
	Frequency Range	AM	520~1710kHz
		FM	87.5~107.9MHz
Power			AC100V~ 240V, 50/60Hz
Power Consumption			<16W
Dimension			355mm X 75mm x285 mm (W/H/D)
Weight			About 3.4kgs

**DESIGN AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE**

For service, support and warranty information, visit [www.polaroidelectronics.com](http://www.polaroidelectronics.com) or in the US call 1-866-289-5168, in Canada call 1-866-301-7922 and in Mexico call 01-800-400-2443.

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