



**INSTRUCTION MANUAL**

**DMP-P690**

**Dual Dock Music System for iPod and iPhone**

Made for



**iPod**



**iPhone**

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iPhone, iPod shown are not included.**

"Made for iPod", and "Made for iPhone", mean that an electronic accessory has been designed to connect specifically to iPod or iPhone, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.

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## INTRODUCTION

Thank-you for choosing SANYO. This very compact digital music system comes with dual playing and charge your iPhone/iPod. It also has an AM/FM stereo digital tuner with 40 presets, dual alarm clock function with wake to iPhone/iPod/radio/buzzer, backlit LCD display with six level dimmer control, two 2.0" speakers with oversize magnets for amazing sound and a full function remote control.

## IMPORTANT SAFETY INSTRUCTIONS

- 1.) Read these instructions. Keep these instructions. Follow all instructions. Heed all warnings.
- 2.) Install this unit in accordance with the manufacturer's instructions.
- 3.) Only use attachments / accessories specified by the manufacturer.
- 4.) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the unit. When a cart is used, use caution when moving the cart/unit combination to avoid injury from tip-over.
- 5.) Use replacement parts as specified by the manufacturer.
- 6.) Do not install this unit near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 7.) The unit shall not be exposed to dripping or splashing water and no object filled with liquids, such as vases, shall be placed on the apparatus.
- 8.) Do not use this apparatus near water and clean the unit with dry cloth only.
- 9.) Disconnect the unit from the power source when cleaning.
- 10.) No naked flame sources, such as lighted candles, should be placed on the unit.
- 11.) Keep the player clean and never store it next to a heat source or in dirty, humid or wet places. Keep it out of direct sunlight.
- 12.) Do not block any ventilation openings; the ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc. Give minimum 100 mm distances around the apparatus for sufficient ventilation.
- 13.) To prevent fire or shock hazard, do not expose this unit to rain or moisture.
- 14.) Do not subject the product to harsh impacts. Do not drop the appliance. This may result in damage to the product and loss of data.
- 15.) Care required with the use of this apparatus in moderate climates.
- 16.) Do not use this apparatus in an extremely dry environment, as this can lead to static discharge which can damage the player.
- 17.) When the unit experienced a crash due to a strong electromagnetic field or other interference. Please first switch off the mains and disconnect the main unit with the main power supply for a few minutes. Reconnect the unit with the power supply to reset the unit software, the unit will return to normal operation.
- 18.) To prevent fire or shock hazard, do not use this plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.
- 19.) Unplug this unit during lightning storms or when unused for long periods of time.
- 20.) Where the MAINS plug is used as the disconnect device, the disconnect device shall remain readily operable.

## IMPORTANT SAFETY INSTRUCTIONS

- 21.) Do not destruct 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.
- 22.) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 23.) Do not overload wall outlet. Use only power source as indicated.
- 24.) Upon completion of any service or repairs to this product, ask the service technician to perform safety checks.
- 25.) Refer all servicing to qualified service personnel. Servicing is required when the unit 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 unit, the unit has been exposed to rain or moisture, or has been dropped, does not operate normally.
- 26.) Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.
- 27.) Attention should be drawn to the environmental aspects or battery disposal.
- 28.) This product is not intended for commercial use. Household use only.
- 29.) Do not install this apparatus in a confined space, such as a book case or built-in cabinet. Minimum distance (about 10cm) around the apparatus for sufficient ventilation.
- 30.) To be completely disconnected the power input, the mains plug of apparatus shall be disconnected from the mains.
- 31.) The nameplate is located at the bottom cabinet of the apparatus.

### **Servicing:**

- This unit contains no user serviceable parts. Refer to qualified personnel.
- Consult your dealer if you are ever in doubt about the installation, operation or safety of this product.

## PREPARATION FOR USE

### Unpacking And Set Up

- Remove the main unit, the AC adaptor, the 6 iPod adaptors and the external AM loop antenna from the carton, and remove all packing material from the main unit. We recommend that you save the carton and packing material in the event that the unit ever needs to be returned for service.
- Remove any descriptive labels or stickers from the top or front panels of the unit but do not remove any labels or stickers from the back or bottom panels.

## MAINTENANCE

### Cleaning The Unit

- To prevent fire or shock hazard, disconnect your unit from the main power source when cleaning.
- If the cabinet becomes dusty wipe it with a soft dry cloth. Do not use any wax or polish sprays on the cabinet.
- If the cabinet becomes dirty or smudged with fingerprints, it may be cleaned with a soft cloth slightly dampened with a mild soap and water solution. Never use abrasive cloths or polishes, which will damage the finish of your unit.

**Caution:** Never allow any water or other liquids to get inside the unit while cleaning.

## BATTERY BACK-UP SYSTEM


This system includes a battery back-up circuit that will maintain the time and alarm settings, and the preset tuner memories, in the event of a temporary power interruption. The battery back-up system requires two “AAA”(UM-4) batteries(not included). If the back-up battery is not installed, or the battery is exhausted, and the AC power supply is interrupted, the time, alarm, and preset memory stations will be lost. It will be necessary to reset the unit when the power is restored.

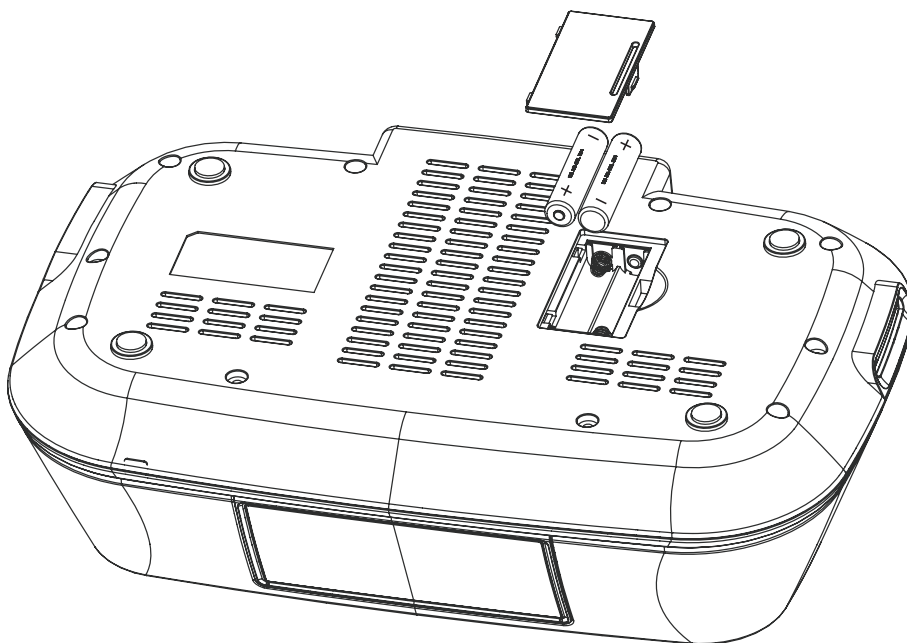
The battery back-up compartment is located on the bottom cabinet.

### Installing The Back-Up Battery

1. Turn the unit upside down on a soft surface such as a cloth or towel to avoid scratching the front cabinet surface.
2. Open the battery compartment cover as shown in the illustration.
3. Insert two fresh “AAA”(UM-4) batteries into the battery compartment. We recommend that you use a well-known brand of alkaline batteries for longest life and best performance. Be sure to follow the polarity (+/-) markings inside the battery compartment. If the batteries are inserted incorrectly the battery back-up system will not work.
4. Replace the battery compartment cover and turn the unit right side up.

### Replacing The Back-Up Battery

When it's time to replace the battery the Low Battery Icon(  ) will be shown in the lower right corner of the display. Insert two fresh “AAA”(UM-4) batteries following the same procedure described above, however leave the unit connected to the AC adaptor while replacing the battery to avoid losing all of your settings.



# BATTERY BACK-UP SYSTEM

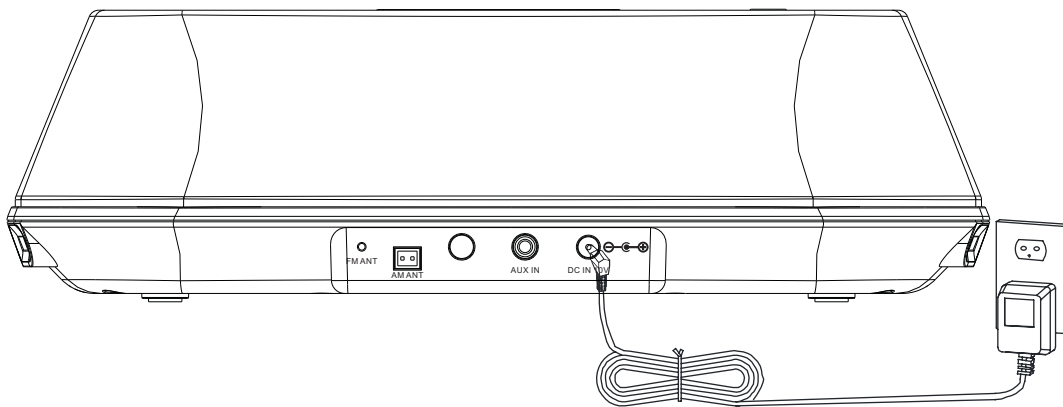
## Battery Precautions

Follow these precautions when using a battery in this device.

1. Warning - Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type
2. Use only the size and type of battery specified.
3. Be sure to follow the correct polarity when installing the battery as indicated in the battery compartment. A reversed battery may cause damage to the device.
4. If the device is not to be used for a long period of time, remove the battery to prevent damage or injury from possible battery leakage.
5. Do not try to recharge a battery not intended to be recharged; it can overheat and rupture.(Follow battery manufacturer's directions.)
6. Battery shall not be exposed to excessive heat such as sunshine, fire or the like.

## Using The AC Adaptor

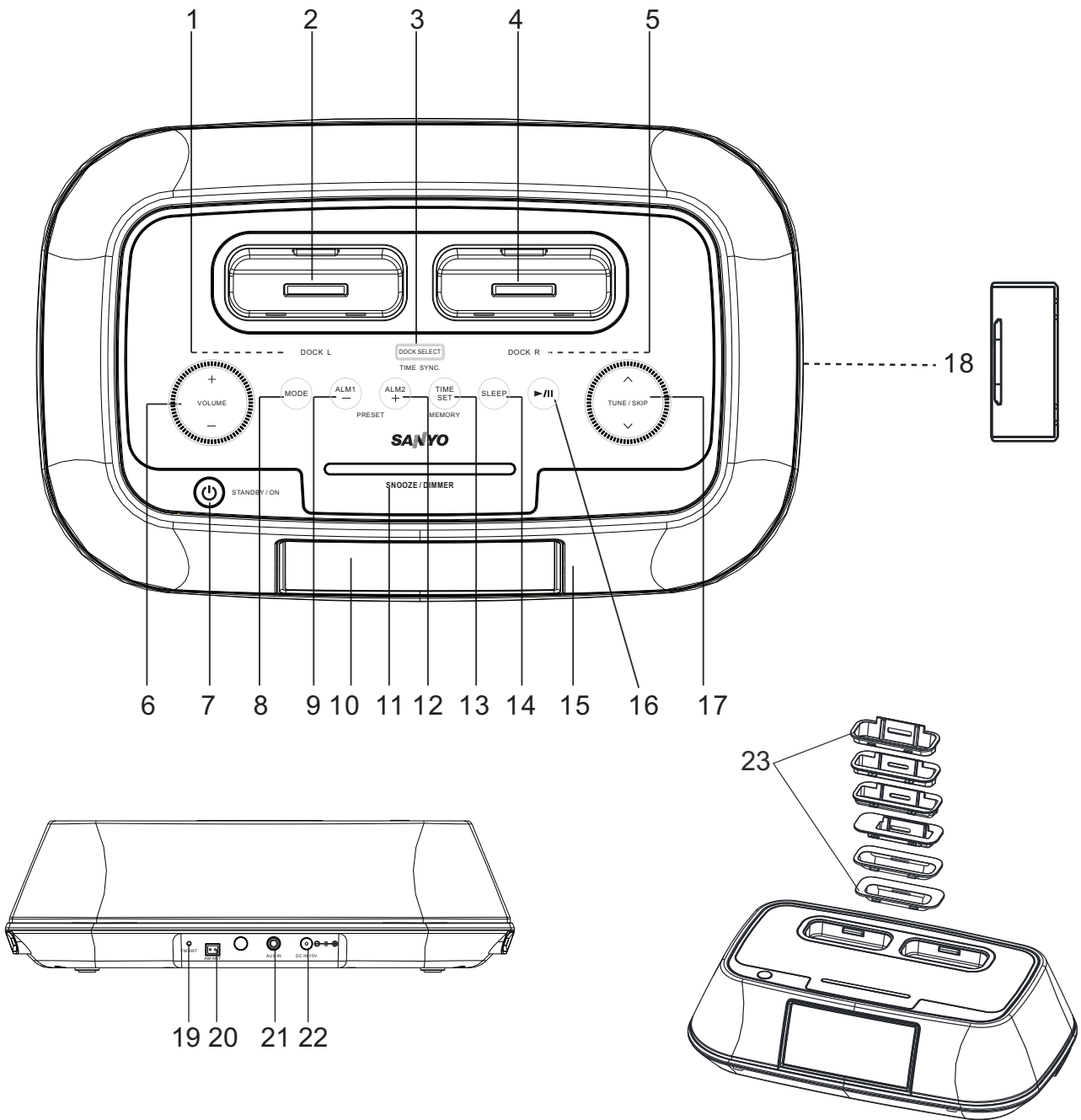
Connect the small female plug of the AC adaptor to the DC IN Jack on the back panel. Connect the housing of the AC adaptor to the 240V AC outlet.



## NOTES:

- *The housing of the AC adaptor may become warm during operation. This is normal.*
- *To reduce the risk of electric shock never connect or disconnect the AC adaptor while your hands are wet.*
- *Please use original AC adaptor supplied with the unit, otherwise, will damage the unit.*

# LOCATION OF CONTROLS & INDICATORS



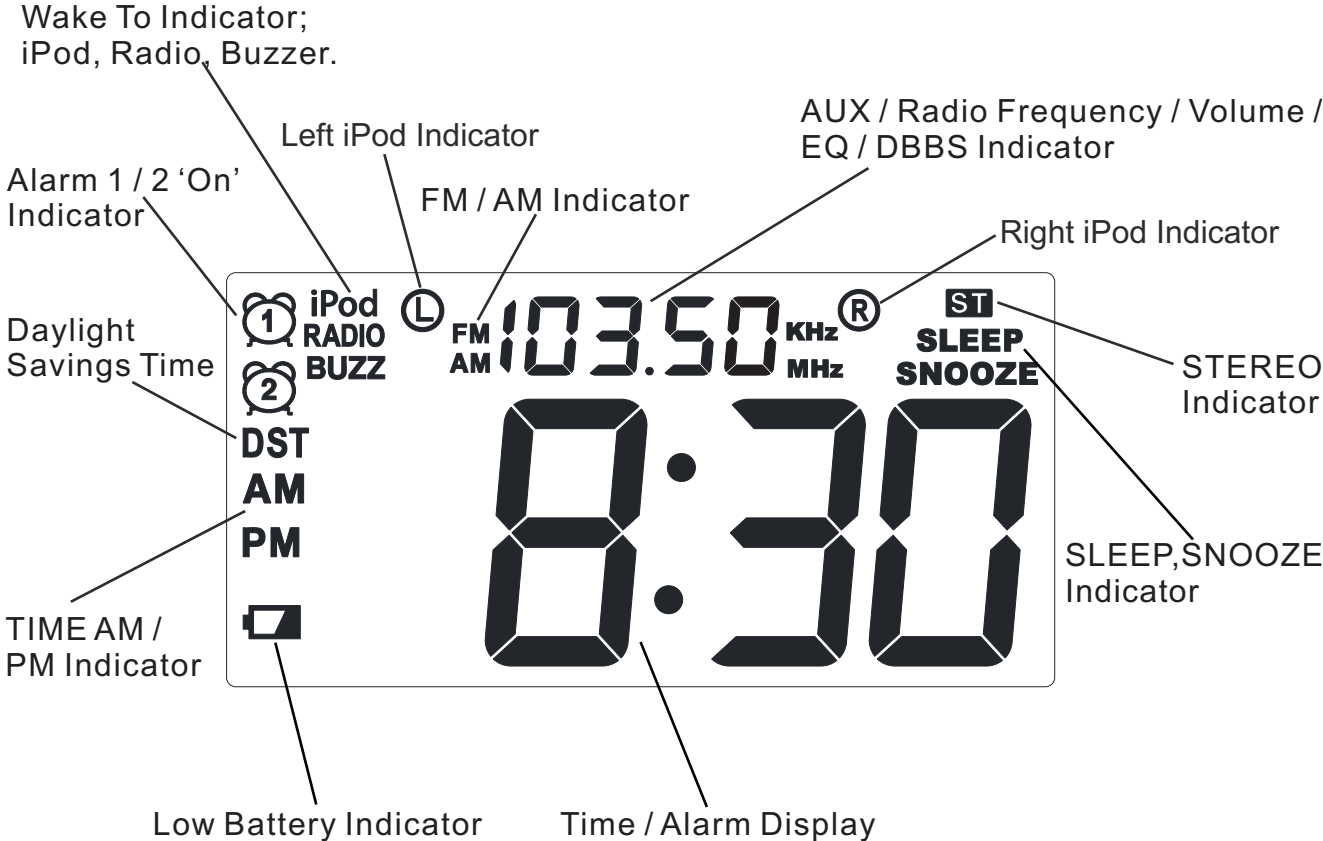
- 1 . DOCK L Indicator
- 2 . Universal Dock for iPod / iPhone
- 3 . DOCK SELECT / TIME SYNC. Control
- 4 . Universal Dock for iPod / iPhone
- 5 . DOCK R Indicator
- 6 . VOLUME + / - Control
- 7 . ⏻ STANDBY/ON Button
- 8 . MODE Control
- 9 . ALM 1 / PRESET - Control
- 10 . Display
- 11 . SNOOZE / DIMMER Control
- 12 . ALM 2 / PRESET + Control

- 13 . TIME SET / MEMORY Control
- 14 . SLEEP Control
- 15 . Remote Sensor
- 16 . PLAY / PAUSE ▶/⏸ Control
- 17 . TUNE / SKIP ^ / v Control
- 18 . Backup Battery Compartment  
(On Bottom Cabinet)
- 19 . FM ANTENNA Wire
- 20 . AM ANTENNA Socket
- 21 . AUX IN Jack
- 22 . DC IN Jack
- 23 . iPod Holders (6 inserts)

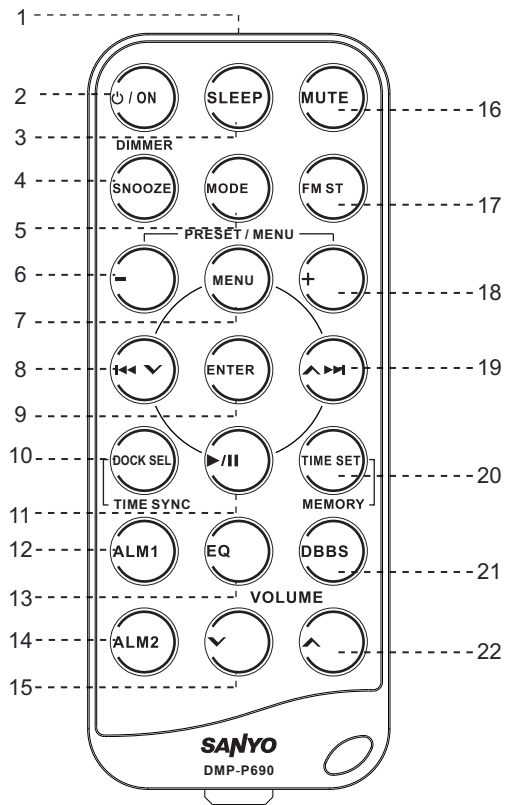


# LOCATION OF CONTROLS & INDICATORS

## LCD DISPLAY



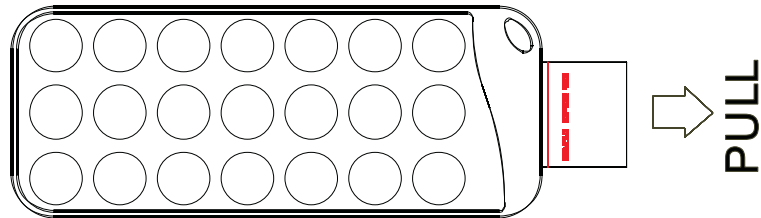
# REMOTE CONTROL



1. Remote Control Transmitter
2.  $\text{O}$  STANDBY / ON Button
3. SLEEP Button
4. SNOOZE / DIMMER Button
5. MODE Button
6. PRESET / MENU - Button
7. MENU Button
8. TUNE / SKIP  $\ll \nabla$  Button
9. ENTER Button
10. DOCK SELECT / TIME SYNC Button
11. PLAY / PAUSE  $\blacktriangleright / \parallel$  Button
12. ALM1 Button
13. EQ Button
14. ALM2 Button
15. VOLUME  $\nabla$  Button
16. MUTE Button
17. FM ST Button
18. PRESET / MENU + Button
19. TUNE / SKIP  $\blacktriangle \gg$  Button
20. TIME SET / MEMORY Button
21. DBBS Button
22. VOLUME  $\blacktriangle$  Button

## Using The Remote Control

The CR2032 lithium battery is already installed in the remote control. Pull out the small mylar insulation tab as shown in the illustration to begin using the remote control.

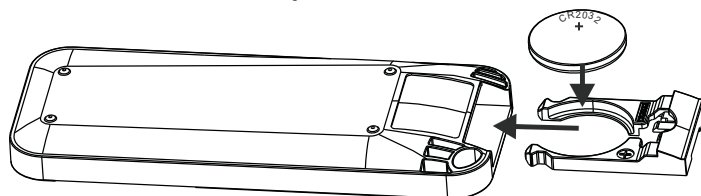


To use the remote controller, point the remote control transmitter on the remote control toward the remote control receiver on the front panel of the main unit and press the desired button. The effective range of the remote controller is approximately 20 feet. Please note that bright sunlight or artificial light may interfere with the proper operation of the remote control.

## Battery Replacement

When the remote operation becomes weak or intermittent, it is time to replace the remote control battery. Pull out the battery holder, remove the old battery and install a new CR2032 battery in the holder as shown in the illustration. Slide the holder back into the remote control.

NOTE: If the battery is installed incorrectly the remote control will not work.



## OPERATING INSTRUCTIONS

- Make sure that you have fully extended the FM antenna wire.
- Be sure to connect the external AM loop antenna to the AM ANT Jack on the back panel if you are planning to listen to AM radio stations (refer to page 15 for connection information) .
- Make sure you have removed the mylar insulation tab from the remote control.
- Make sure that the system is connected to an AC outlet that is always “live” .
- Do not connect the system to an AC outlet controlled by a wall switch.

### General Controls

Most of the main functions of this system can be operated by the controls on the top panel of the main unit, or by the buttons on the remote control. If a specific function can only be operated by the remote control, or by the top panel controls, this will be clearly indicated in the instructions.

When operating this system with the remote control, make sure that the IR (Infrared) transmitter on the front of the remote control is pointed at the remote sensor on the front panel of the main unit.

The effective operating range of the remote control is approximately 20 feet. Please note that bright sunlight or room lighting may interfere with the remote control operation. If the remote control is not operating properly, try reducing the brightness of the room or moving closer to the main unit. If this does not solve the problem, it may be time to change the remote control battery.

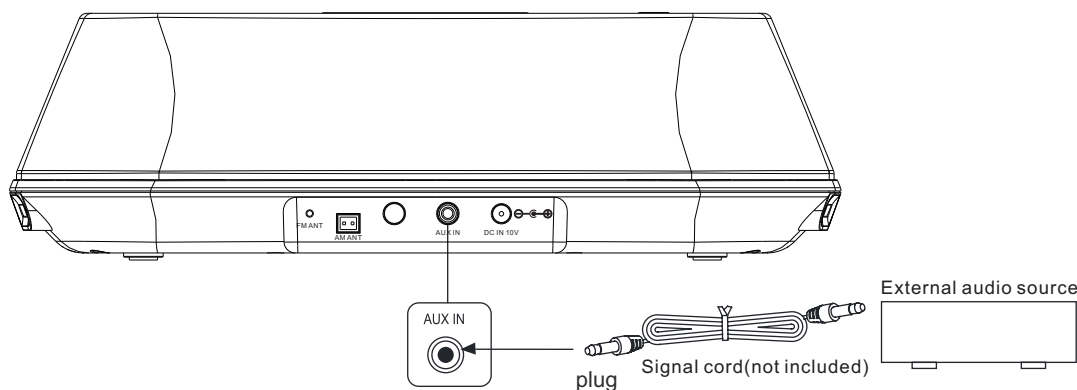
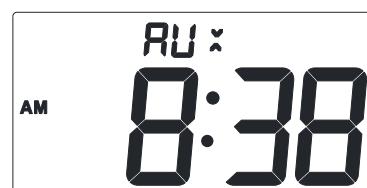
## CONNECTING EXTERNAL DEVICES

### Auxiliary Input Jack

This system includes an AUX IN Jack to allow you to connect external audio equipment and listen to the sound from the external equipment through the speakers of this system.

#### To listen to the external audio source:

- Connect the external audio equipment to AUX IN jack on the rear panel of the system as shown below. The connection cable is not included. Select the **AUX** mode by repeatedly pressing the **MODE** button on the top panel or by repeatedly pressing the **MODE** button on the remote control until the “AUX” indicator appears above the time display.



## SETTING & BASIC OPERATION

### Sensor-Touch Control Information

All of the controls on the top panel of the main unit, with the exception of the **STANDBY / ON** control, are special 'Sensor-Touch' controls. There are no buttons to push'. When you softly touch one of these 'buttons', it will flash 3 times to confirm it understood the command, and then the system will react accordingly.

### Daylight Saving / Standard Time Selection

**Note:** This adjustment can only be made when the system is in the standby mode.

If you are currently observing Daylight Saving Time you should make this adjustment before you set the actual time. If you are currently observing Standard Time you do not need to make this adjustment now. Wait until the beginning of Daylight Saving Time.

1. With the system in the standby mode, touch and hold the **MODE** button on the top panel or press and hold the **MODE** button on the remote control until the number "1" will briefly appear above the time display and the DST indicator also appears. The display will advance by one hour. After a few seconds the number "1" indicator disappears but the DST indicator remains in the display to confirm that the clock is showing Daylight Saving Time.



2. At the end of Daylight Saving Time touch and hold the **MODE** button on the top panel or press and hold the **MODE** button on the remote control. Until the number "0" will briefly appear above the time display. The display will back-up by one hour. After a few seconds the number "0" indicator and the DST disappears to confirm that the clock is showing Standard Time.



## SETTING & BASIC OPERATION

### Setting The Clock

When the system is connected to the AC 240V 50Hz Outlet for the first time, "AM 12:00" will flash on the display.



**Important:** Do not press the **STANDBY/ON** button to turn the system 'On'. The clock can only be set when the system is in the Standby Mode.

1.) Touch and hold the **TIME SET** button on the top panel, or depress and hold the **TIME SET** button on the remote control until only the "Hour" digits are flashing.

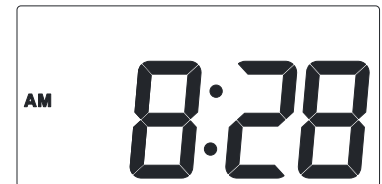
2.) Touch the **TUNE/SKIP**  $\nabla$  /  $\blacktriangle$  buttons on the top panel, or press the  $\blacktriangleleft \nabla$  /  $\blacktriangleright \blacktriangle$  buttons on the remote control to set the correct hour. Be sure to observe the word to confirm that the hour is set correctly.



3.) Touch the **TIME SET** button on the top panel or depress the **TIME SET** button on the remote control then the "Minute" digits are flashing. Press the  $\blacktriangleleft \nabla$  /  $\blacktriangleright \blacktriangle$  buttons on the remote control or press the **TUNE/SKIP**  $\nabla$  /  $\blacktriangle$  buttons on the top panel to set the correct minute.



4.) When the correct time appears on the display, touch the **TIME SET** button on the top panel or press the **TIME SET** button on the remote control once more. The display stops flashing and the clock begins to run.



## SETTING & BASIC OPERATION

### Volume Controls

To increase or decrease the system volume, press the **VOLUME**  $\nabla$  or  $\blacktriangle$  button on the remote control or **VOLUME +** or **-** on the top panel. The Volume Level Indicator will appear on the display when you change the volume level.

The level indicator ranges from "00" (Minimum) to "30" (Maximum).



If the volume level is less than VOL 24, the system remembers the volume level when the power is switched 'off' and

automatically returns to the same level when the power is switched 'on' again. If the volume level over VOL 24, when the power is switched 'off' volume automatically returns to the default level(VOL 15) when the power is switched 'on' again.

### EQ (ELECTRONIC Preset Equalizer)(On Remote Control Only)

The preset equalizer allows you to adjust the sound characteristic for the most popular types music.

Press the **EQ** button on the remote control to cycle through the following equalization modes:

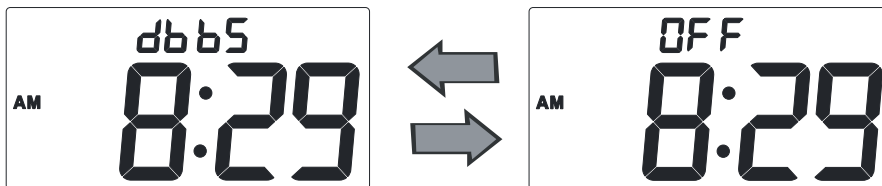


→ EQ1(FLAT) → EQ2(CLASSIC) → EQ3(ROCK) → EQ4(POP) → EQ5(JAZZ) →

The appropriate EQ indicator briefly appears in the display to confirm your selection. The system remembers the EQ setting when the power is switched 'Off' and returns to the same setting when the power is switched 'On' again.

### DBBS (Dynamic Bass Boost) Control(On Remote Control only)

Press the **DBBS** button on the remote control to increase the bass response. Press again to cancel the Bass Boost function.



### MUTE Button (On Remote Control Only)

Press the **MUTE** button on the remote control to shut off the speakers temporarily, for example, to answer the telephone.

The sound stops and the Volume Level indicator begins flashing on the display.

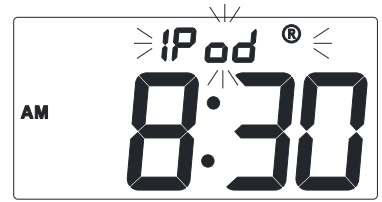


Press the **MUTE** button again to cancel the mute function and restore the sound.

The mute function will also be cancelled automatically by pressing the **VOLUME**  $\nabla$  or  $\blacktriangle$  button on the remote control or touch the **VOLUME +** or **-** on the top panel.

## RADIO OPERATION

- 1.) Press the **STANDBY/ON** button on the top panel or **⏻/ON** button on the remote control to turn the system 'On'. The initial default mode for this system is the iPod function. The "iPod" indicator will flash above the time display.



- 2.) Touch the **MODE** button on the top panel or press the **MODE** on the remote control until a FM or AM frequency appears above the time display.



- 3.) Tune to the desired station as follows:

- **Automatic Tuning**

Press and hold the **⏪ ∇ / ▲ ⏩** buttons on the remote control or touch and hold the **TUNE/ SKIP ∇ / ▲** buttons on the top panel until the frequency display starts to change, then release the buttons. The tuner will search down or up the band for the next strong signal and stop on that station.

- **Manual Tuning**

Repeatedly press the **⏪ ∇ / ▲ ⏩** buttons on the remote control or touch the **TUNE/ SKIP ∇ / ▲** buttons on the top panel until the display shows the frequency of the desired station. Note: Use the Manual Tuning method to tune to stations with weaker signals that may be bypassed during Automatic Tuning.

- 4.) If you tuned to a FM stereo station the stereo (ST) indicator will appear in the display. If FM stereo reception is noisy or weak, press the **FM ST** button on the remote control to select the FM Mono mode. This will usually improve the reception but the sound will no longer be in stereo.

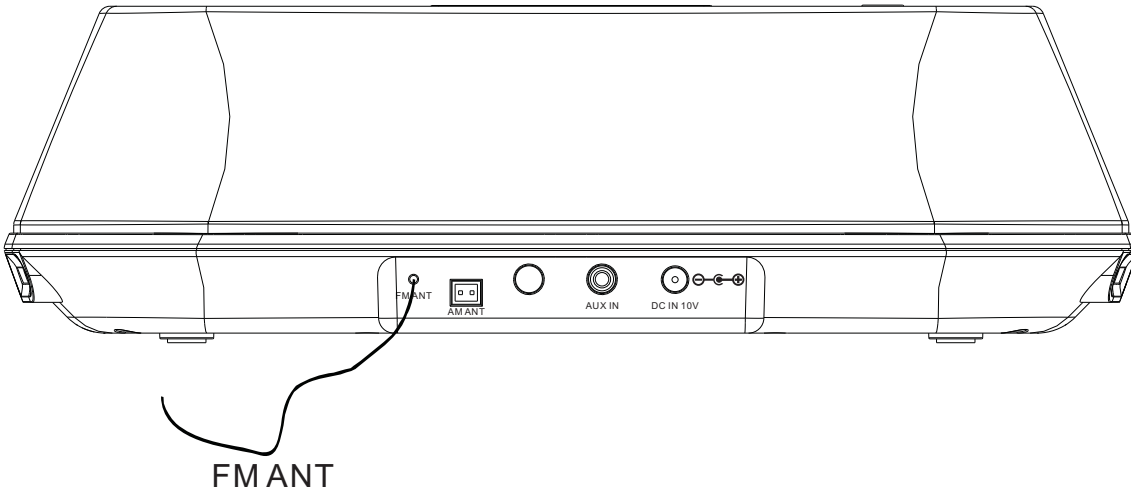


- 5.) When you finished listening press the **STANDBY/ON** button on the top panel or **⏻/ON** button on the remote control to turn the system 'Off'. The radio station frequency disappears from the display.

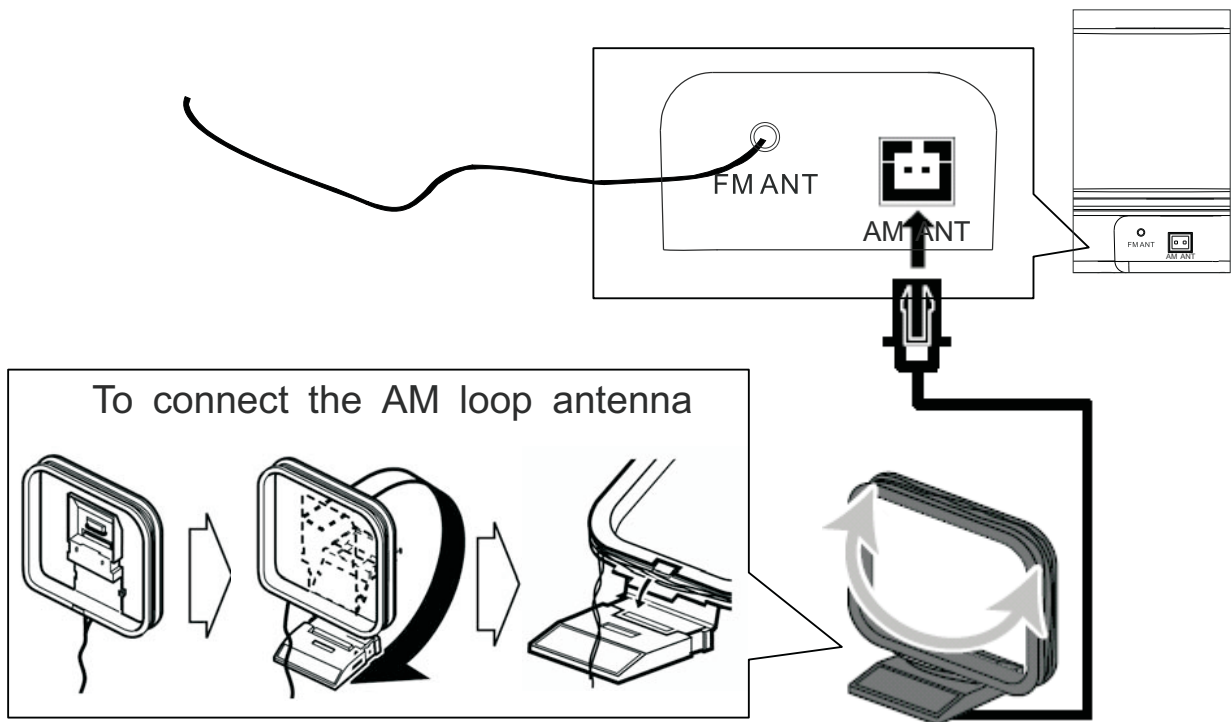
# RADIO OPERATION

## Hints For Better Reception

FM: The FM lead wire antenna on the back panel should be extended to its full length. You may also have to vary the direction of this antenna until you find the position that provides the best reception.



AM: Insert the small black plug at the end of the AM loop antenna wire into the AM ANT jack on the back panel as shown in the illustration.





## PRESETTING STATIONS IN THE TUNER MEMORY

Up to 40 stations (20 AM / 20 FM) can be stored in the tuner memory for easy recall at any time. Use either the Automatic or Manual tuning methods described on page 14 to tune to the first station to be stored in memory. (Example “FM 103.50 MHz”)

- 1.) When the desired station frequency appears in the display, press and release the **TIME SET / MEMORY** button on the remote control or touch **TIME SET / MEMORY** on the top panel. The **P – 01**(Preset Memory #1) indicator will begin flashing in place of the radio frequency display.



To enter your station in Preset Memory #1, press the **TIME SET / MEMORY** button on the remote control or touch **TIME SET / MEMORY** on the top panel again. The **P – 01** will stop flashing and remain on the display for 5 seconds, and then the display will return to the selected radio frequency. Your selected station has now been entered in Preset Memory #1.



**Note:** You must press the **TIME SET / MEMORY** button while the memory indicator is flashing in order to enter the station in memory. If the memory indicator stops flashing the station will not be entered in the memory.

- 2.) Tune to the next station that you want to memorize and when that station appears in the display press the **TIME SET / MEMORY** once. The **P – 01** indicator begins flashing. Press the **PRESET / MENU +** or **-** button on the remote control or touch the **ALM1 / PRESET -** or **ALM2 / PRESET +** control on the top panel to select a different preset memory number, and then press the **TIME SET / MEMORY** button once more to enter your station in the selected preset memory number.



- 3.) Repeat step 2, choosing a different preset memory number each time until you have entered up to 20 stations on one band. You may then select the AM band and follow the same procedure to preset up to 20 AM stations in the tuner memory.



## PRESETTING STATIONS IN THE TUNER MEMORY

### Recalling Preset Stations

Simply press the **PRESET / MENU +** or **-** buttons on the remote control or touch the **ALM2 / PRESET +** or **ALM1 / PRESET -** button on the top panel to scroll forward or backward through the preset station memories.

### Changing Preset Stations

Tune to the new station you want to memorize, press the **TIME SET / MEMORY** button on the remote control or touch the **TIME SET / MEMORY** control on the top panel, then press the **PRESET / MENU +** or **-** buttons on the remote control or touch the **ALM1 / PRESET -** or **ALM2 / PRESET +** control on the top panel to select the memory number you wish to change. When that memory number is flashing in the display, press the **TIME SET / MEMORY** button once. The new station is entered in the memory and the previously memorized station is erased.

***Important:** The back-up batteries will maintain the preset tuner memories in the event of a power interruption. However if the back-up batteries are not installed, or exhausted, and the adaptor is disconnected from the wall outlet or the plug is removed from the back of this system, the preset tuner memories will be erased. It will be necessary to re-enter the stations in the preset tuner memories when power is restored.*

## SLEEP TIMER

This system includes a programmable Sleep Timer that allows you to fall asleep to between 10 and 120 minutes of music and then turns the unit to standby automatically.

To operate the sleep timer:

- 1.) Turn the system 'On' and operate the TUNER function as usual.
- 2.) Press the **SLEEP** button on the remote control or touch the **SLEEP** control on the top panel.

- 3.) The display will show "**SLEEP 120**" indicating that the sleep timer will shut the power off after 120 minutes.



Repeatedly press the **SLEEP** button to decrease the amount of sleep timer operation.

- 4.) After a few seconds the Sleep Time display disappears and the normal TUNER display returns, but the small **SLEEP** indicator remains in the display. When the Sleep Timer counts down to "00", the unit returns to the Standby (Power 'Off') mode automatically.



### Note:

- You can shut the unit off manually before the Sleep Timer counts down to "00" by pressing the **STANDBY/ON** button at any time.

## ALARM SETTING

### NOTES:

- Use the remote control, you can set the alarms in standby mode or operation mode. (The **ALM1 / PRESET -** and **ALM2 / PRESET +** on the top panel can only be set when the system is in the standby mode.)
- When setting the alarm be sure to observe to confirm that you have set the wake-up hour correctly.
- The procedure for setting Alarm 1 and Alarm 2 is the same. The example below is for Alarm 1.

1.) Press and hold the **ALM 1** button on remote control or touch and hold the **ALM1** control on the top panel, while the system is in the standby mode, the default alarm time (6:00) and the default alarm mode (iPod) begin flashing in the display. Continue holding the **ALM 1** button until only the HOUR digits are flashing.



2.) Press the **◀◀ √** or **∧ ▶▶** buttons on the remote control or touch the **TUNE/SKIP √** or **∧** control on the top panel repeatedly to set the display to the desired wake-up hour.



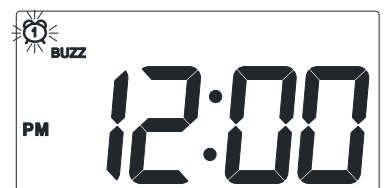
3.) Press the **ALM 1** button again. The hour digits stop flashing and the minute digits begin flashing.



4.) Press the **◀◀ √** or **∧ ▶▶** buttons on the remote control or touch the **TUNE/SKIP √** or **∧** control on the top panel repeatedly to set the display to the desired wake up minutes.



5.) Press the **ALM 1** button once more to select the wake-up Alarm Mode (iPod, Radio or Buzzer). One of the 3 Alarm Mode indicators will be flashing in the display. Press the **◀◀ √** or **∧ ▶▶** buttons on the remote control or touch the **TUNE/SKIP √** or **∧** control on the top panel repeatedly to select the desired wake up mode, iPod, Radio, or Buzzer (BUZZ).



6.) Press the **ALM 1** button once more. If you selected either the iPod or Radio Alarm Mode, the Volume Level indicator begins flashing. Press the **◀◀ √** or **∧ ▶▶** buttons on the remote control or touch the **TUNE/SKIP √** or **∧** control on the top panel – not the **VOLUME + / -** buttons, repeatedly to set the desired wake up volume level. **Note:** if you selected the wake up to Buzzer alarm mode the volume level is fixed and cannot be adjusted.



7.) When all settings are completed press the **ALM 1** button once more to exit the setting mode and activate Alarm 1. The display will continue to show all of your alarm settings for a few seconds and then return to the current time. However the Alarm 1 indicator (Ⓜ) will remain in the display to confirm that the alarm is active.



## ALARM SETTING

8). At the selected wake-up time the system will turn on to the mode you selected. The alarm will continue for 1 hour and then shut off automatically and reset itself for the same time on the following day. Note: If you selected the wake to iPod mode but there is no iPod docked at the wake up time, the system will default to the wake to Buzzer mode automatically.

**NOTE:** If you selected the RADIO alarm mode, at the selected wake-up time the system will turn on to the last station you have listened. If you selected the wake to iPod or radio mode, and the system is in iPod or radio operation mode at the wake up time, the system will default to the wake to Buzzer mode automatically.

9.) To shut the alarm off sooner, press the **STANDBY/ON** (Power “Off”) button at any time.

To check the alarm settings at any time, press the appropriate **ALM 1** or **ALM 2** button. The display will briefly show the current alarm settings for a few seconds and then return to the correct time, but the Alarm indicator will remain in the display indicating that the alarm is active. To deactivate the alarm press the appropriate **ALM 1** or **ALM 2** button once more. The Alarm indicator disappears and the alarm is cancelled.



### Snooze / Display Dimmer Control

When the alarm turns the system ‘On’ to wake you, touch the **SNOOZE / DIMMER** button on the top panel or press the **SNOOZE / DIMMER** button on the remote control. The alarm will stop for 9 minutes and then turn ‘On’ again. This action can be repeated continuously, but if you don’t press **SNOOZE / DIMMER** button again, after one hour the alarm will not turn ‘On’ again. The **SNOOZE** indicator appears in the display during Snooze Timer operation. To switch **SNOOZE** function off, you can press **STANDBY/ON** button.

During normal operation touch the **SNOOZE / DIMMER** button on the top panel or press the **SNOOZE / DIMMER** button on the remote control to control the brightness of the display. There are 6 levels of brightness that you can select. If you continue to press this button the display will return to full brightness.

### NOTE:

1. The default of the brightness of the display is dim.
2. In order to save power, after pressing **STANDBY / ON** button to turn off the unit, the brightness of the display becomes dim.

## iPod/iPhone OPERATION

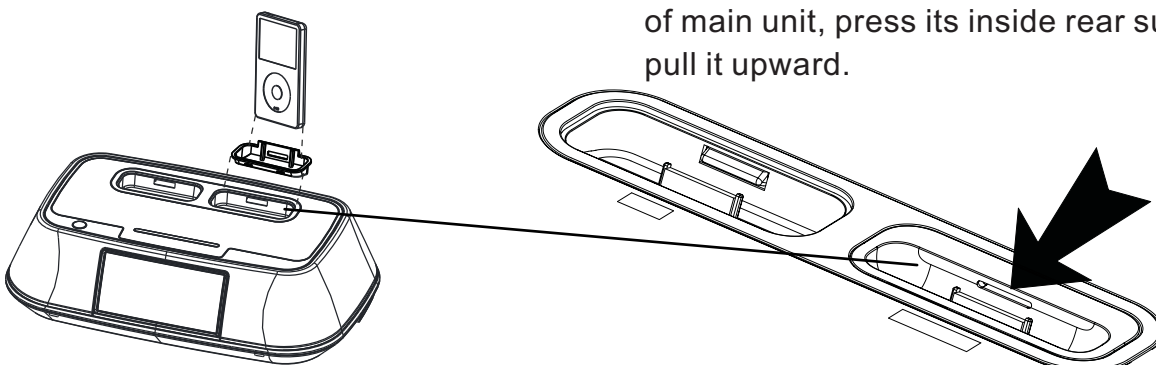
This SANYO system includes two docking station so that you can dock and charge two separate iPod or iPhone models, or one iPod and one iPhone model simultaneously. Since this model is 'Works With iPhone' certified it is not necessary to place your iPhone in the Airplane mode to avoid audio interference. You will be able to make and receive calls, without interference, while the system is in operation.

### **IMPORTANT NOTES:**

- A. *If you are playing an iPod or iPhone in the left side dock 'DOCK L' and you insert an iPod or iPhone in the right side dock 'DOCK R', the system will automatically switch to the 'DOCK R' and playing iPhone or iPod in the right side dock 'DOCK R'. If you are playing an iPod or iPhone in the right side dock 'DOCK R' and you insert an iPod or iPhone in the left side dock 'DOCK L', the system will automatically switch to the 'DOCK L' and playing iPhone or iPod in the left side dock 'DOCK L'.*
- B. *When you dock an iPhone or certain newer iPod models in either dock there may be a delay of several seconds before the system recognizes the device and the main menu is displayed. This is because the system and the docked device must go through an 'Authentication Process' before the docked device can accept any commands. THIS IS NORMAL AND NOT AN INDICATION OF ANY PROBLEM WITH YOUR SYSTEM.*

The system is supplied with 6 different iPod adaptor/inserts intended to insure that older iPod models fit properly in the docking area. If your iPod was supplied with a docking adaptor at the time of purchase, that adaptor will fit properly into the docking area of this system. If you have an older iPod model that was not supplied with a docking adaptor, please select the appropriate adaptor from the chart below. Each adaptor is identified by the letters "A" through "F" on the bottom of the adaptor. Select the adaptor with the letter that corresponds to your iPod model. Position the adaptor in the docking area as shown and make sure that it 'locks' in place, then place your iPod into the adaptor and make sure that the iPod connector on this system is fully inserted into the slot on the bottom of your iPod. When properly docked your iPod should be 'leaning backward' slightly on a 15 degree angle. DO NOT ATTEMPT TO "STRAIGHTEN" YOUR IPOD. THIS COULD RESULT IN DAMAGE TO THE DOCKING CONNECTOR OR DAMAGE TO YOUR IPOD.

To remove your correct adaptor from the dock of main unit, press its inside rear surface and pull it upward.



## iPod/iPhone OPERATION

### Choosing The Correct Adaptor

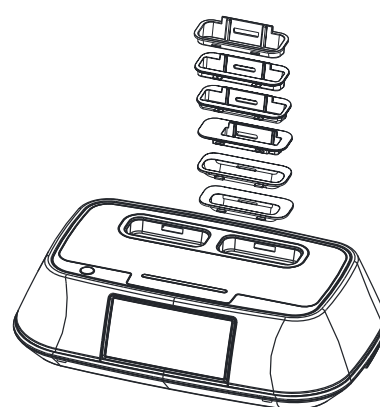


**When connecting an iPod / iPhone to this iPod Dock, please ensure that the correct adaptor plate is used. FAILURE TO DO SO MAY RESULT IN DAMAGE TO THE iPod / iPhone.**

The iPod dock comes with 6 removable dock adaptors. Using the correct adaptor ensures the proper fit for your iPod / iPhone and helps to reduce the stress on the connector when operating the iPod / iPhone.

#### To place a dock adaptor:

1. Refer to the compatibility table below and select the correct dock adaptor for the iPod / iPhone.
2. Place the proper adaptor into the dock and press it into position. The adaptor will only go in one way. The iPod dock connector should fit through the opening in the bottom of the adaptor.
3. Carefully align and then gently insert the iPod / iPhone into the dock. (The iPod/iPhone must not be in a case or "SKIN")
4. To remove/replace a dock adaptor, first remove the iPod/iPhone, then grip the adaptor and pull gently upwards.



#### Charging your iPod / iPhone

Note: Please make sure you are using the correct insert from your iPod / iPhone and that it is properly docked into this unit.

#### **FAILURE TO DO SO MAY DAMAGE THE iPod / iPhone.**

When an iPod / iPhone is inserted into the dock, it will go to standby mode then turn off. While the iPod / iPhone is docked in the system, it will recharge (until fully charged). Please note that older 3rd generation iPod cannot be charged by this unit.

**NOTE:** In order to avoid interfering with the reception, the iPod / iPhone will not be charged in the TUNER mode(FM / AM).

## iPod/iPhone OPERATION

### TIME SYNC Control

To set the time on your Main Unit Clock Radio, first dock your iPod or your iPhone device. Then, press and hold the **DOCK SEL / TIME SYNC** button on the remote control or touching and hold the **DOCK SELECT / TIME SYNC** control on the top panel. The time on the Clock Radio will be updated to the time set on your iPod or iPhone device.





















**NOTE** : An iPod/iPhone cannot sync to exact seconds, so it's possible to have up to 59 seconds difference between the Main Unit and synced iPod/iPhone.



iPhone 3G / iPhone 3GS / iPhone / iPod touch(1st/2nd generation) / iPod Classic / iPod nano(1st/2nd/3rd/4th/5th generation) / 5G iPod video(5th generation)



## DOCK ADAPTOR COMPATIBILITY

		A 	B 	C 	D 	E 	F 
3G iPhone 	8GB		X				
	16GB		X				
3GS iPhone 	16GB		X				
	32GB		X				
iPhone 	4GB		X				
	8GB		X				
	16GB		X				
1G/2G iPod touch 	8GB						X
	16GB						X
	32GB						X
4G/5G nano 	8GB				X		
	16GB				X		
3G nano 	4GB					X	
	8GB					X	
2G nano 	2GB				X		
	4GB				X		
	8GB				X		
iPod nano 	2GB				X		
	4GB				X		
5G iPod (with video) 	30GB			X			
	60GB		X				
	80GB		X				
4G iPod 	20GB		X				
	40GB	X					
3G iPod (Play only will not charge) 	10GB		X				
	15GB		X				
	20GB		X				
	30GB	X					
	40GB	X					
iPod mini 	4GB		X				
	6GB		X				
iPod classic 	80GB			X			
	120GB		X				
	160GB		X				
iPod photo 	20GB		X				
	30GB		X				
	40GB	X					
	60GB	X					

## iPod/iPhone OPERATION CONTROLS

▶/|| (Play/Pause) – touch this area on the top panel or press this button on the remote control to begin playback on your iPod/iPhone. Press again to Pause playback.

▲ / ▼ **TUNE/SKIP** buttons on the Main Unit – During playback press to skip forward or backward to the next or previous track.

⏮ ▼ / ▲ ⏭ Skip Forward/Back buttons on Remote Control - During playback press to skip forward or backward to the next or previous track.

**MENU** button(Remote control only) - Press this button to access the Menu of the iPod or iPhone which is playing. This button operates exactly like the **MENU** button on the iPod itself.

+ / - (Plug/Minus)buttons on Remote Control - After pressing the **MENU** button to access the iPod/iPhone Menu, press the + / - buttons to move up(+) or down(-) within the Menu display.

**ENTER** button (Remote Control Only) - After selecting the desired Genre, Album, Song, etc. in the Menu display using the + or - buttons. Press the **ENTER** button to open or to begin playback of the selected song.

- 1.) If necessary, press the **STANDBY/ON** button on the top panel or ⏻/ON button on the remote control to turn the system 'On'.
- 2.) If necessary, touch the **MODE** control on the top panel or press the **MODE** button on the remote control to select the iPod mode. The word "iPod" begins flashing above the time display and the "R" (right) iPod indicator appears.
- 3.) Make sure that you have inserted the correct adaptor into the right dock 'DOCK R' and then insert your iPod or iPhone into the adaptor. The word "iPod" stops flashing and remains 'On'. Your iPod/iPhone display will come on. If you were playing music on your iPod/iPhone before inserting in the dock your iPod/iPhone may change to pause mode, but it may take several seconds for your iPod or iPhone to go through the authentication process. If your iPod or iPhone was in the pause mode when inserted into the dock it may remain in the pause mode. In that case press the **Play/Pause** ( ▶/|| ) button on the top panel or on the remote control to release the pause mode and resume playback.
- 4.) To skip forward or backward to different tracks, press the **TUNE/SKIP** ▲ / ▼ button on the top panel or press the ⏮ ▼ / ▲ ⏭ buttons on the remote control.

## iPod/iPhone OPERATION CONTROLS

- 5.) The **MENU** button on the remote control works the same way as the **MENU** button on your iPod. Press the **MENU** button repeatedly to access the Main Menu of your iPod. Press the + / - buttons on the remote control to navigate Up or Down through the displayed Menu list. When the desired Genre, Artist, Album, or Song is 'highlighted' on your iPod Menu display, press the **ENTER** button on the remote control to 'Enter' or Select' the highlighted item. If the highlighted item is a specific song, pressing the **ENTER** button will begin playback of the song.
- 6.) If you have two iPod models, or an iPod and iPhone docked at the same time you can switch between the two devices by touching the **DOCK SELECT** control on the top panel or press the **DOCK SEL** button on the remote control.
- 7.) To pause iPod playback touch the ►/|| control on the top panel or press the ►/|| button on the remote control. Press again to release pause and resume iPod playback.
- 8.) To stop iPod playback touch and hold the ►/|| control on the top panel or depress the ►/|| button on the remote control until your iPod shuts off and enters the 'Charging' mode. However please note that the system power remains 'On'.
- 9.) To shut the system 'Off' completely, press the **STANDBY/ON** button on the top panel or ⏻/ON button on the remote control. The LCD display backlight becomes dim and any iPod or iPhone in the docking area will shut off and enter the charging mode.

## TROUBLESHOOTING GUIDE

Symptom	Possible Cause	Solution
Radio		
Noise or sound distorted on FM or AM broadcasts	Station not tuned properly for FM or AM.	Retune FM or AM broadcast station.
	FM: Wire aerial is not positioned correctly.	Extend FM wire aerial.
	Loop aerial is not positioned correctly.	Reposition so that the best reception is obtained.
FM STEREO indicator does not light.	FM station is mono or station signal is weak.	Extend FM aerial. Try other strong stations.
AM or FM, no sound.	Function is not set to Tuner.	Press MODE button to select Tuner function.
	Volume at minimum.	Increase Volume.
iPod Player		
Unit does not respond (no power)	AC adaptor is not plugged into a wall outlet or the connector is not plugged into the DC IN jack on the back of the unit.	Plug the AC adaptor into a wall outlet and plug the connector into the DC IN jack on the unit.
	Using no or wrong iPod insert	Make sure the dock insert is the proper fit for the iPod.
iPod does not dock properly	iPod did not install properly	Remove the iPod from the dock and check for obstruction on the connections in the dock and on the iPod. Then reseal it in the dock.
iPod does not respond to the unit	iPod is not installed properly	Remove the iPod from the dock and check for obstruction on the connections in the dock and on the iPod. Then reseal it in the dock.
	iPod is locked up	Please make sure your iPod is working properly before docking into the unit. Please refer to the iPod manual for details.
	Using first or second generation iPod, iPod shuffle or other devices.	This unit cannot control those iPod or other devices.
iPod did not charge up	iPod is not installed properly	Remove the iPod from the dock and check for obstruction on the connections in the dock and on the iPod. Then reseal it in the dock.
	iPod is locked up/frozen	Please make sure your iPod is working properly before docking into the unit. Please refer to the iPod manual for details.
	iPod battery has problem	

### Remarks:

If troubleshooting(see above)does not eliminate the problem, disconnect the unit from the mains power and re-connect after a few seconds. Resetting causes the unit to restore its factory default setting and results in all the setting made by the user being deleted.

## TECHNICAL SPECIFICATION

### 1. General

Power requirements	AC Adaptor Input: AC 100-240V ~ 50/60Hz Output: DC 10V 2.4A
Main unit backup	2 AAA (UM-4) batteries (Purchase separately)
Power consumption	21W
Dimensions of main unit	295mm(L) x 186mm(W) x 85mm(H)
Weight of main unit	Approx. 1.5 Kg (not including batteries)

### 2. Amplifier

Power Output	5W x 2 THD 10%
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### 3. Tuner

AM Tuning range	522 KHz to 1620 KHz (9kHz step)
FM Tuning range	87.50 MHz to 108.00 MHz (50 kHz step)

### 4. Speaker system

Impedance	8 $\Omega$ 2.0" Speaker x2
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### 5. AUX IN















Input	$\Phi$ 3.5mm
Max voltage	1 V
Impedance	47 K $\Omega$

**Specifications subject to change without notice.**

## THE UNIT SUPPORTS THE LISTED iPods/iPhones

**\*iPods/iPhones charge and operation only\***

**\*\*\*iPods/iPhones shown are not included\*\*\***

 <p>iPod mini (4GB,6GB only)</p>	 <p>iPod (4th generation) (20GB,40GB only)</p>	 <p>iPod with color display (4th generation) (20GB,30GB,40GB,60GB only)</p>
 <p>iPod with video (5th generation) (30GB,60GB,80GB only)</p>	 <p>iPod nano (1st generation) (1GB,2GB,4GB only)</p>	 <p>iPod nano (2nd generation) (aluminum) (2GB,4GB,8GB only)</p>
 <p>iPod nano (3rd generation) (video) (4GB,8GB only)</p>	 <p>iPod nano (4th/5th generation) (8GB,16GB only)</p>	 <p>iPod classic (80GB,160GB only)</p>
 <p>iPod classic (2nd generation) (120GB only)</p>	 <p>iPod touch (1st/2nd generation) (8GB,16GB,32GB only)</p>	 <p>iPhone (4GB,8GB,16GB only)</p>
 <p>3G iPhone (8GB,16GB only)</p>	 <p>3GS iPhone (16GB,32GB only)</p>	



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