# Printed in China Y WR85180 YAMAHA

# ortable Plaver Dock

# PDX-60 OWNER'S MANUAL

CAUTION

**RISK OF ELECTRIC SHOCK DO** 

NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS

INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

institute a risk of electric shock to persons.

Please record the serial number of this unit in the space below.

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

1) this device may not cause harmful interference, and

The lightning flash with arrowhead symbol, within an equilateral triangle,

is intended to alert you to the presence of uninsulated "dangerous voltage

The exclamation point within an equilateral triangle is intended to alert

you to the presence of important operating and maintenance (servicing)

structions in the literature accompanying the appliance.

The serial number is located on the rear of the unit. Retain this Owner's Manual in a

2) this device must accept any interference received including interference that may

See user manual instructions if interference to radio reception is suspected.

IMPORTANT NOTICE : DO NOT MODIFY THIS UNIT!

within the product's enclosure that may be of sufficient magnitude to

• Explanation of Graphical Symbols

# **IMPORTANT SAFETY INSTRUCTIONS**

### Read these instruction Keep these instructions.

### Heed all warnings. Follow all instructions.

- Do not use this apparatus near water.
- Clean only with dry cloth. Do not block any ventilation openings. 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. Do not defeat the safety purpose of the polarized or groundingtype 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 are 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,
- nvenience 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.

**1ST CHECK** 

English

- 13 Unplug this apparatus during lightning storms or when unused for long periods of
- 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.

## We Want You Listening For A Lifetime

/amaha and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion - and, most importantly, without affecting your sensitive hearing. Since hearing damage from loud sounds is often LISTENING undetectable until it is too late, Yamaha and the Electronic Industries Association's Consumer Electronics Group recommend you to avoid prolonged exposure from excessive volume levels. Operate this unit by the following procedure.

## FCC INFORMATION (for US customers)

- operation of other electronic devices. pliance with FCC regulations does not guarantee that interference will not occur in all installations. If this product is found to be the source of interference, which can be determined by turning the unit "OFF" and "ON", please try to eliminate the problem by using one of the following measures:
- Relocate either this product or the device that is being affected by the interference. Utilize power outlets that are on different branch (circuit breaker or fuse) circuits or install AC line filter/s

In the case of radio or TV interference, relocate/reorient the antenna. If the antenna leadin is 300 ohm ribbon lead, change the lead-in to coaxial type cable. If these corrective measures do not produce satisfactory results, please contact the local retailer authorized to distribute this type of product. If you can not locate the appropriate retailer, please contact Yamaha Electronics Corp., U.S.A. 6660 Orangethorpe Ave, Buena Park, CA 90620.

The above statements apply ONLY to those products distributed by Yamaha Corporation of America or its subsidiaries.

## NOTICE

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,

This equipment compiles with FCC/IC radiation exposure limits set forth for uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated with at least 20 cm and more between the radiator and person's body (excluding extremities: hands, wrists, feet and ankles).

the user is encouraged to try to correct the interference by one or more of the following - 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.

### FCC WARNING

Change or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

antenna or transmitter

FOR CANADIAN CUSTOMERS This Class B digital apparatus complies with Canadian ICES-003.

# **CAUTION: Read this bet**

## To assure the finest performance, please read this manual carefully. Keep it in a safe place

- for future reference. 1 Install this unit in a well ventilated, cool, dry, clean place - away from direct sunlight. heat sources, vibration, dust, moisture, and/or cold. (Do not use/keep this unit in a car
- etc.) 2 Locate this unit away from other electrical appliances, motors, or transformers to avoid humming sounds.
- 3 Do not expose this unit to sudden temperature changes from cold to hot, and do not locate this unit in an environment with high humidity (i.e. a room with a humidifier) to prevent condensation inside this unit, which may cause an electrical shock, fire, damage to this unit, and/or personal injury.
- 4 Avoid installing this unit where foreign objects may fall onto this unit and/or this unit may be exposed to liquid dripping or splashing. On the top of this unit, do NOT place: Other components, as they may cause damage and/or discoloration on the surface of this unit.
- Burning objects (i.e. candles), as they may cause fire, damage to this unit, and/or personal injury. Containers with liquid in them, as they may fall and liquid may cause electrical
- shock to the user and/or damage to this unit. 5 Do not cover this unit with a newspaper, tablecloth, curtain, etc. in order not to obstruct heat radiation. If the temperature inside this unit rises, it may cause fire, damage to this unit, and/or personal injury.
- 6 Do not operate this unit upside-down. They may overheat, possibly causing damage. 7 Do not use force on switches, knobs, and/or cords.
- 8 When disconnecting the power cable/AC adaptor from the wall outlet, grasp the AC plug; do not pull the cord.
- 9 Do not clean this unit with chemical solvents; this might damage the finish. Use a clean, dry cloth.
- 10 Only the voltage specified on this unit must be used. Using this unit with a higher voltage than specified is dangerous and may cause fire, damage to this unit, and/or personal injury. Yamaha will not be held responsible for any damage resulting from use of this unit with a voltage other than that specified.

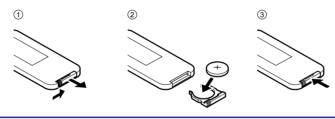
PDX-60 is a portable player dock designed for iPhone/iPod series. By connecting the iPhone/iPod to the transmitter, wireless operation via the connected iPhone/iPod is possible. With the iPhone/iPod connected to the dock terminal, the unit can be operated by

the remote control Also the charging cradle can be used for charging the iPhone/iPod, or to play music or movies for an extended time. Alphabetical letters below ((a), (b), etc.) can be used for reference to the illustrations on the separate sheet "Quick Manual" for details.

## Supplied accessories

Charging cradle (PDX-50BC) [a]	1
AC adaptor (for the charging cradle: DC 5 V, 1 A)	
(Japan/North American model: MU12-2050100-A1) [b]	. 1
Transmitter (PDX-50TX) [C]	. 1
AC adaptor (for the speaker: DC 15 V, 2.66 A) (model number: NU40-2150266-I3) [d]	. 1
Power cable [@]	. 1
iPod dock adaptor	
⊠* iPod with color display (20 GB or 30 GB) or U2 Special Edition [€]	. 1
⊡* iPod with color display (40 GB or 60 GB) or iPod (40 GB) [④]	. 1
⊡* iPod mini (4 GB or 6 GB) [fi]	. 1
* The mark (🛆, 🗉 or 🖾) is shown on the back of each iPod dock adaptor.	
Remote control [1]	. 1
Owner's Manual (this manual)	
Quick Manual	. 1

## Replacing the battery in the remote control



Charging cradle (PDX-50BC) [1]

## Charges the battery of the iPhone/iPod.

## Transmitter (PDX-50TX) [G]

Connect an iPhone/iPod series. When the iPhone/iPod is disconnected from the dock terminal, the speaker will be in standby mode. The iPhone/iPod can be connected (or disconnected) anytime.

## DC IN 5V jack [

Connect the AC adaptor (for the charging cradle) to this jack to supply power to the charging cradle.

## DC IN 15V jack [6]

Connect the AC adaptor (for the speaker) to this jack to supply power to the speaker. When the AC adaptor is connected, the speaker will be in standby mode, consuming a small quantity of electricity. When an iPhone/iPod is connected to the transmitter (PDX-50TX)/dock terminal, the speaker turns on from standby mode. When the iPhone/iPod is sconnected from the transmitter/dock terminal, the speaker returns to standby mode.

🔹 / 🔹 (Volume keys) [•]

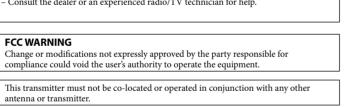
## Adjusts the volume level.

## Dock terminal [@]

Connect the iPhone/iPod series. When the iPhone/iPod is connected to the dock terminal and wireless communication is disconnected, its battery will be charged. When the iPhone/ iPod is disconnected, the unit will be in standby mode. The iPhone/iPod can be connected (or disconnected) anytime.

## Note

When the iPhone/iPods are connected to both the transmitter and the dock terminal, the iPhone/iPod connected to the transmitter has priority.









use only high quality shielded cables. Cable/s supplied with this product MUST be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use this product in the USA. NOTE : This product has been tested and found to comply with the requirements

This product, when installed as indicated in the instructions contained in this manual

listed in FCC Regulations, Part 15 for Class "B" digital devices. Compliance with these requirements provides a reasonable level of assurance that your use of this product in a residential environment will not result in harmful interference with other electronic devices.

This equipment generates/uses radio frequencies and, if not installed and used according to the instructions found in the users manual, may cause interference harmful to the

IMPORTANT

safe place for future reference.

cause undesired operation.

meets FCC requirements.

the FCC, to use the product.

MODEL:

Serial No.:

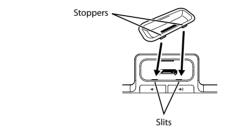
f0	re operating your unit.				
	11 Do not attempt to modify or fix this unit. Contact qualified Yamaha service personnel when any service is needed. The cabinet should never be opened for any reason.				
	12 When not planning to use this unit for long periods of time (i.e. when going on vacation), disconnect all AC plugs from the wall outlet.				
	13 Be sure to read the "TROUBLESHOOTING" section regarding common operating errors before concluding that the unit is faulty.				
	14 Before moving this unit, disconnect all AC plugs from the wall outlets.				
	15 Be sure to use the AC adaptors supplied with this unit. Using an AC adaptor other than those provided may cause fire or damage to this unit.				
	16 Install this unit near the wall outlet and where the AC plugs can be reached easily.				
	17 For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the product due to lightning and power-line surges.				
	18 The batteries shall not be exposed to excessive heat such as sunshine, fire or the like.				
	There is a chance that placing this unit too close to a CRT-based (Braun tube) TV set might impair picture color. Should this happen, move this unit away from the TV set.				
	Do not use this unit within 22 cm (9 inches) of persons with a heart pacemaker implant or defibrillator implant.				
	WARNING				
	TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.				
٦					
	Even if an <mark>liPhone or iPod</mark> is not connected to this unit, this unit is not disconnected from the AC power source as long as it is connected to the wall outlet. In this state, this unit is designed to consume a very small quantity of power.				

# INTRODUCTION

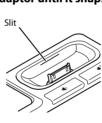
## Inserting an iPod dock adaptor

sert the iPod dock adaptor supplied with your iPod into the slot of the speaker. Depending on the type of your iPod, you may need to insert one of the iPod dock adaptors upplied with this unit. See the "Quick Manual" for details on how to insert/remove the iPod dock adaptor.

Insert the stoppers of the iPod dock adaptor into the slits on the slot of the speaker.



2 Insert the iPod dock adaptor until it snaps into the slot of the



When you remove the iPod dock adaptor from the speaker, insert one of your finger nails into the slit on the iPod dock adaptor and pull it up.

# **CONTROLS AND FUNCTIONS**

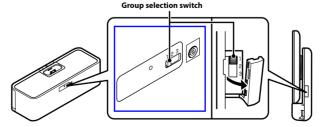
speaker.

## Status indicator (LED) [6]

LED status (speaker/transmitter)	The current status of this unit	
Off	The unit is in standby mode. An iPhone/iPod is not connected, or has stopped playing. (However, lights u for 30 seconds after connecting or stopping playback.	
Flashes green	Connection in progress, please wait.	
Flashes green once	Adjusting the volume level or operating with the remote control.	
Lights up green	The unit turns on. An iPhone/iPod is connected.	
Lights up green and flashes red	Flashes red for 2 seconds: An unsupported iPod is connected. Keeps flashing red: Connection failed. (Connect agair	
Flashes red	The protection circuitry has been activated. (Disconn- the AC adaptor and wait for a while.)	
Flashes red once	The volume of this unit is set to maximum or minimu	
Flashes red (regardless of green status)	The battery of the iPhone/iPod is low.	

## Group selection switch

Use these switches to change the group setting for both speaker and transmitter.



# TROUBLESHOOTING

Refer to the table below if the unit does not function properly. If the problem you are experiencing is not listed below, or if the instruction below does not help, turn off this unit, disconnect the power cable, and contact the nearest authorized Yamaha dealer or service center.

Problem	Cause	Remedy
No sound	The speaker is connected to another unit.	Select a different group by changing the group selection switch of the speaker and transmitter.
	The speaker and transmitter are not connected since they are set to different groups.	Set both the speaker and transmitter to the same group.
	Distance is too far.	Move the transmitter closer to the speaker.
	There is a device (microwave oven, wireless LAN, etc.) outputting signals in the 2.4 GHz frequency band nearby.	Relocate this unit.
	The iPhone/iPod is not connected to the transmitter/dock_terminal_firmly.	Connect the iPhone/iPod firmly.
	The iPhone/iPod software version has not been updated.	Download the latest iTunes software to update the iPhone/ iPod firmware version to the latest.
	The signal from the transmitter is blocked by your body or metallic objects, etc.	Change the way of holding, the orientation, or the position of the transmitter to avoid your body or metallic objects blocking the signal.
	The power of the speaker is off.	Connect the AC adaptor correctly.
	The battery of the iPhone/iPod is low.	Charge the iPhone/iPod.
	The volume is turned down.	Turn up the volume.
	The iPhone/iPod is in the process of connecting with the speaker.	Please wait for a while.
	The protection circuitry has been activated by excessive volume.	Turn down the volume.
Cannot change the volume by changing the	The iPhone/iPod in use is not supported by this unit, is not	Use the supported iPhone/iPod.
volume of the iPhone/iPod.	connected correctly, or its firmware version is out of date.	Connect the iPhone/iPod firmly.
The iPhone/iPod display does not change by pressing the remote control volume keys.		Update the iPhone/iPod firmware version to the latest.
The unit cannot be operated by the remote control.	-	
	You are trying to control the iPhone/iPod connected to the transmitter by the remote control.	iPhone/iPod remote control operation is only possible when connected to the dock terminal.
The power of the speaker does not turn off	The speaker is connected to another unit.	Change the group setting.
after the iPhone/iPod is disconnected from the transmitter.		
Suddenly the speaker produces sound even		
though an iPhone/iPod is not connected.		
When iPhone/iPods are connected to both	When the iPhone/iPods are connected to both the	To hear sound from the iPhone/iPod connected to the
the transmitter and dock terminal at the same	transmitter and the dock terminal, the iPhone/iPod connected to the transmitter has priority.	dock terminal, disconnect the iPhone/iPod from the transmitter.
time, the sound of the iPhone/iPod connected	connected to the transmitter has priority.	transmitter.
to the dock terminal will not be heard.		
There is noise interference (e.g., jitter) when using the transmitter.	If noise occurs at the same frequency the transmitter is using, the unit will search and move to another (unused) frequency, which may cause jitter.	This is not malfunction. If jitter occurs frequently, relocate the unit or connect the iPhone/iPod to the dock terminal.
	Noise occurs. Moves to unused	

# **SPECIFICATIONS**

- Supported iPod .... ...iPod (5th generation), iPod classic, iPod nano, iPod touch Supported iPhone...... .. iPhone, iPhone 3G Maximum RMS output power per channel (6  $\Omega$  1 kHz, 10% THD)......15 W + 15 W .. AC 120 V, 60 Hz Power Supply..... Power Consumption
- PDX-60 ..... ... 10 W PDX-50TX/PDX-50BC Power Consumption without connecting iPod/iPhone PDX-60 ....
- PDX-50TX/PDX-50BC .... Transmission range of the transmitter (PDX-50TX) ...Approx. 20 m (66 ft)

## iPod<sup>™</sup>, iPhone<sup>™</sup>

Probler

iPod is a trademark of Apple Inc., registered in the U.S. and other countries. iPhone is a trademark of Apple Inc.

"Made for iPod" means that an electronic accessory has been designed to connect specifically to iPod and has been certified by the developer to meet Apple performance

standards "Works with iPhone" means that an electronic accessory has been designed to connect

specifically to iPhone 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.

- .... Approx. 10 hours (from full charged iPod) Number of speakers which can be simultaneously transmitted to .....Up to 7 speakers (depending on the circumstances) Dimensions  $(W \times D \times H)$  ..... ...... 350 × 125 × 109 mm (13-3/4" × 4-15/16" × 4-5/16")
- Weight (without accessories)... ...less than 1 W iPod (4th generation or before), iPod without Dock connector, iPod photo or iPod mini are

....less than 1 W not supported by this unit.

(without interference) Specifications are subject to change without notice.

Maximum playback duration of the transmitter (PDX-50TX)



**i**Phone