



AB

# NX-B150

BLUETOOTH SPEAKER SYSTEM




OWNER'S MANUAL

## Caution: Read this before operating your unit.

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.
- 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 use force on switches, knobs, and/or cords.
- 7 When disconnecting the power cable from the AC wall outlet, grasp the AC plug; do not pull the cord.
- 8 Do not clean this unit with chemical solvents; this might damage the finish. Use a clean, dry cloth.
- 9 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.
- 10 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 reasons.

- 11 When not planning to use this unit for long periods of time (i.e. when going on vacation), disconnect the power cable from the AC wall outlet.
- 12 Be sure to read the “Troubleshooting” section regarding common operating errors before concluding that the unit is faulty.
- 13 Before moving this unit, press  (power) to turn off the power, and then disconnect the cables.
- 14 Be sure to use the power cable supplied with this unit. Using a power cable other than the one provided may cause fire or damage to this unit.
- 15 Install this unit near the AC wall outlet and where the power cable can be reached easily.
- 16 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 AC wall outlet. This will prevent damage to the product due to lightning and power-line surges.
- 17 Secure placement or installation is the owner’s responsibility. Yamaha is not liable for accidents caused by improper placement or installation of speakers.

### WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

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.

This unit is not disconnected from the AC power source as long as it is connected to the AC wall outlet, even if this unit itself is turned off. In this state, this unit is designed to consume a very small quantity of power.

### For U.K. customers

If the socket outlets in the home are not suitable for the plug supplied with this appliance, it should be cut off and an appropriate 3 pin plug fitted. For details, refer to the instructions described below.



The plug severed from the mains lead must be destroyed, as a plug with bared flexible cord is hazardous if engaged in a live socket outlet.

## SPECIAL INSTRUCTIONS FOR U.K. MODEL

### IMPORTANT

THE WIRES IN THE MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE:

Blue: NEUTRAL

Brown: LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK. The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.

Making sure that neither core is connected to the earth terminal of the three pin plug.

## Features

### Plays a variety of content with high-quality sound

Playing wirelessly via a *Bluetooth* connection and connecting the supplied 3.5 mm stereo mini plug cable to **AUX** allows you to connect a variety of external devices, such as TVs, computers, etc.

### AUTO STANDBY

When no sound is input for a period of time, the speakers go to standby mode automatically.

You can enjoy music without turning on/off the power every time.

### Loudness control

The Loudness control function of the speakers allows you to enjoy rich bass tone sounds even at low volumes.

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Please check that you received all of the following items.

- Power cable × 1
- 3.5 mm stereo mini plug cable (3 m) × 1

### About this manual

- **On the illustrations**  
The illustrations in this manual are for instructional purposes only and might be slightly different from this unit.
- **On the marks**



shows cautions or restrictions of use.

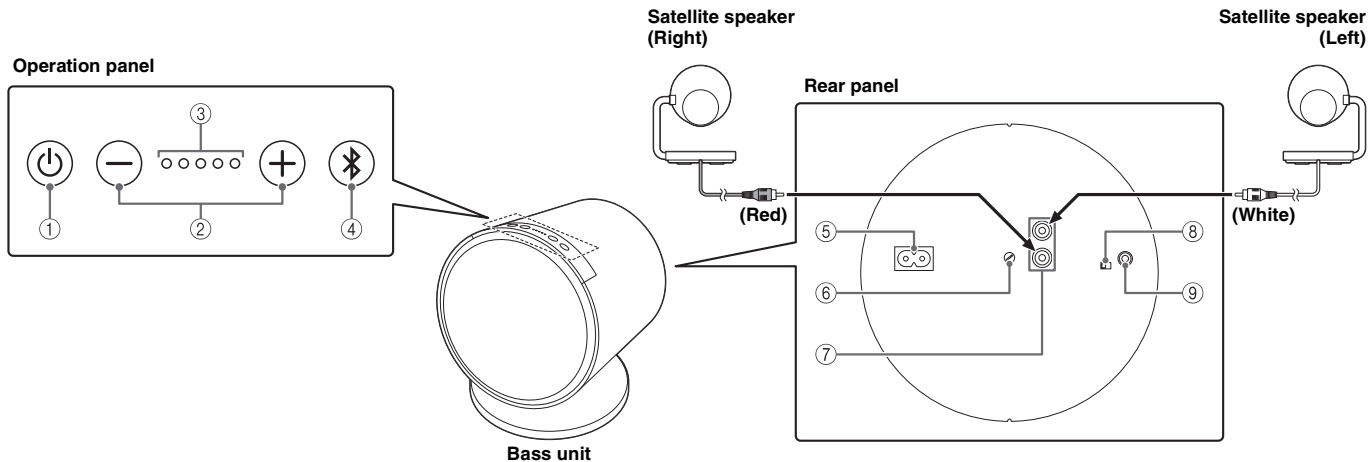


shows useful supplementary information.



shows reference pages.


# Controls and functions






See the illustration on the left page as well.

## ■ Operation panel

### ① (power) button/indicator

When  (power) is pressed, this unit will turn on and the indicator will light white.

Indicator color	Power status
 (White)	On
 (Orange)	Standby
 (Off)	Off

### ② **-/+ (volume) buttons**

Adjusts the volume.

By pressing and holding, the volume changes gradually.



The Loudness control function on the unit compensates bass and high tone sound which cannot be heard well at a low volume level. You can enjoy music with rich bass sound even at a low volume level.

### ③ **Volume level indicators**





Indicate the volume level with brightness.

When sound mutes, the first indicator from the left will flash.



### ④ **(Bluetooth) button/indicator**

Performs pairing operations and disable a *Bluetooth* connection. Indicates the *Bluetooth* connection status.

Indicator status	<i>Bluetooth</i> connection status
 (Blue)	Connected
 (Off)	Not connected
 (Flash)	Pairing in progress by pressing and holding  ( <i>Bluetooth</i> )

## ■ Rear panel

### ⑤ **AC IN jack**

Connect the supplied power cable.

### ⑥ **BASS LEVEL (bass level control)**

Requires a flathead screwdriver for adjustments.

### ⑦ **TO SPEAKER (speaker jacks)**

Connect the speaker cables. (☞ page 8)

### ⑧ **AUTO STANDBY switch**

- **ON:** Activates the auto-standby function. (☞ page 9)
- **OFF:** Deactivates the auto-standby function. (☞ page 9)

### ⑨ **AUX (input jack)**

Connect to an external device, such as a computer, TV, etc., with the supplied 3.5 mm stereo mini plug cable.



#### **Multi-Source Mix**

If you play a device connected to **AUX** and a device connected via a *Bluetooth* connection at the same time, the sound will be mixed and output from the speakers. For example, you can listen to news while playing music.

## Speaker placement/connections

Place all the speakers before connections.

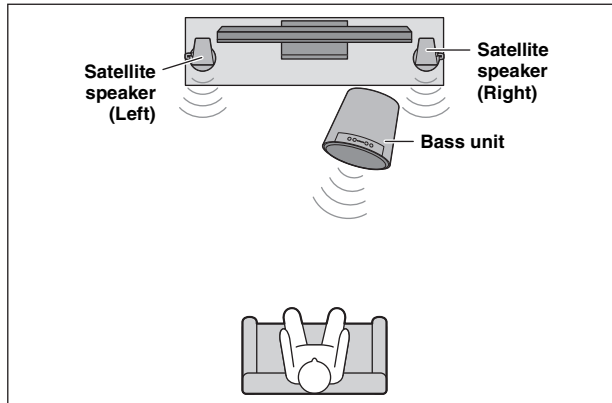
You can also mount satellite speakers on the wall. (E38 page 7)

Connect speaker cables, and then connect the power cable to a wall outlet.

### Placing the speakers

Place the satellite speaker (Left) on the left side and the satellite speaker (Right) on the right side correctly as shown below to obtain appropriate sound at the listening position. The bass unit can be placed at your desired place.

When outputting TV sound



You can adjust angles of satellite speakers vertically.



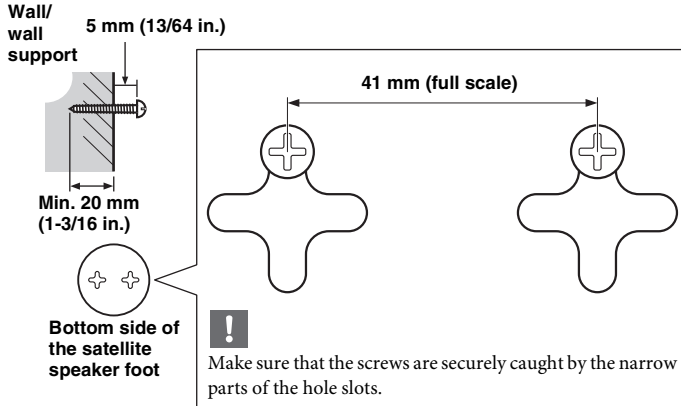
Satellite speaker (Left)



Satellite speaker (Right)

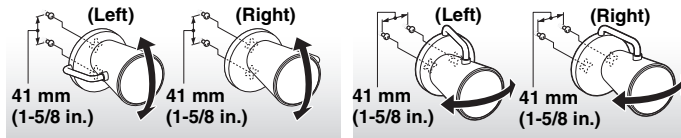
### ■ To mount the satellite speakers on the wall

You can also mount the satellite speakers on the wall as shown below. Depending on the mounting direction, you can adjust angles of the satellite speakers vertically or horizontally.



To adjust angles vertically

To adjust angles horizontally



To prevent the satellite speakers from falling, place your other hand on the speaker foot when adjusting angles.

**1 Prepare 4 commercially available tapping screws 3.5 mm to 4 mm (1/8 in. to 3/16 in.) in diameter.**

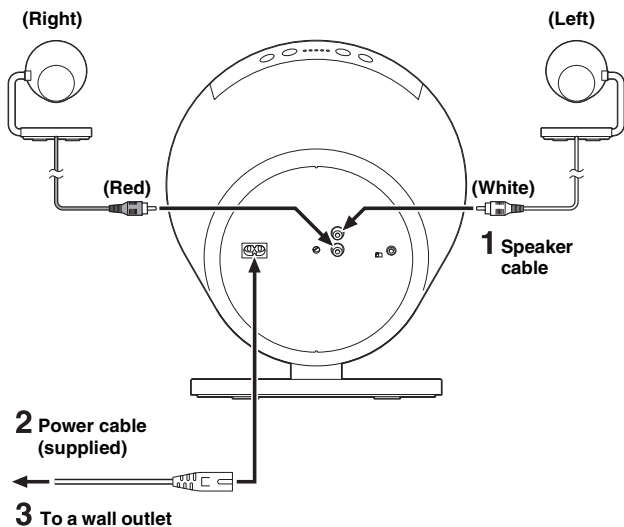
**2 Install 2 screws for the each speaker to a firm wall or wall support as shown in the illustration on the left.**

**3 Hang the satellite speakers by their slots onto the protruding screws.**



- Do not mount the satellite speakers on thin plywood or on a wall made of soft surface material. Otherwise, the screws may pull out of the surface and the satellite speakers may fall, possibly damaging them or causing personal injury.
- Do not mount the satellite speakers on a wall using nails, adhesives, or unstable hardware. Long term use and vibration may cause the satellite speakers to fall.
- To avoid accidents resulting from tripping over loose speaker cables, affix the cables.
- Secure installation is the owner's responsibility. Yamaha shall not be liable for any accident caused by improper installation.
- If you are uncertain about the wall strength, please consult an installation specialist.

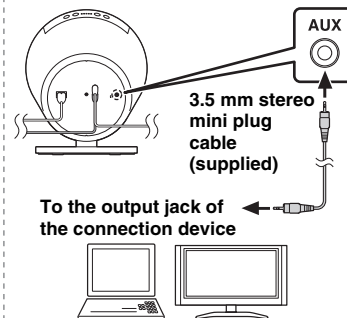
### Connecting the cables



- 1 Connect the speaker cables matching the plug color to the corresponding jack color.
- 2 Connect the supplied power cable to the AC IN jack.
- 3 Connect the supplied power cable to a wall outlet.
- 4 Connect external devices.

#### Connecting with the supplied cable

For details on connections, see the owner's manual supplied with the external device.



#### Using a Bluetooth connection



See "Bluetooth connection and music playback" (☞ page 10).

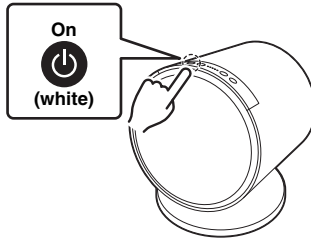




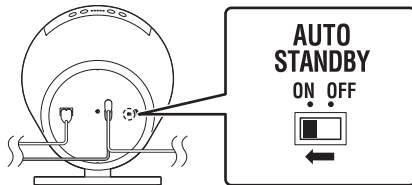
# Power

## Turning on/off the power

Press  (power) to turn on/off the power.  
When the power is on,  (power) lights white.




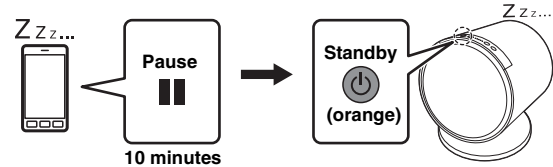
## Using the AUTO STANDBY switch



Use the **AUTO STANDBY** switch to turn on/off the function.  
(Default setting: **ON**)


## Auto-standby function

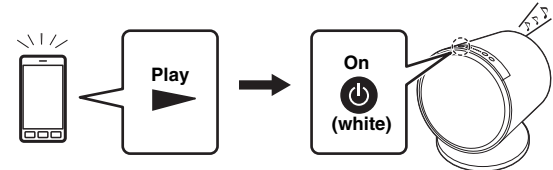
This unit is equipped with the auto-standby function which automatically sets this unit to standby mode in 10 minutes if no audio signal is input from the connection device.  
In standby mode,  (power) lights orange.



If playback continues at a very low volume level, this unit will be in standby mode automatically.

## Auto-power on function

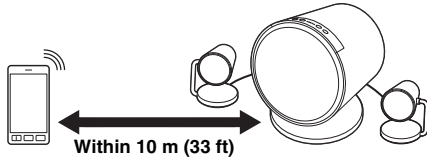
If playback starts on the connection device when this unit is in standby mode, this unit turns on automatically and outputs sound.  
 (power) will change from orange to white.



If the volume from the connection device is too low, this unit may not turn on. In this case, turn up the volume of the connection device.

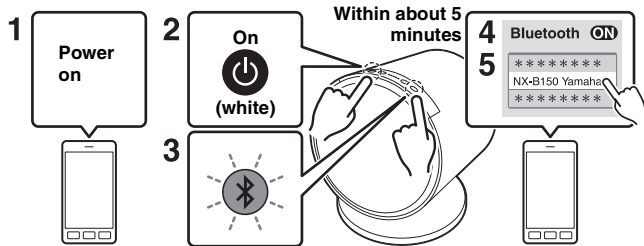
## Bluetooth connection and music playback

By pairing (registering) and connecting with a *Bluetooth* device such as a smartphone, you can enjoy music from this unit wirelessly.




### Pairing (Registering)


Pairing is an operation to register a device (hereafter referred to as “connection device”) on this unit for communications. Pairing is required when making a *Bluetooth* connection for the first time or pairing information is deleted.



**1 Turn on the power of the connection device you want to pair with.**

**2 Press  (power) to turn on this unit.**


**3 Press and hold  (*Bluetooth*) for a few seconds.**

 (*Bluetooth*) will flash and pairing will be in progress.

**4 Operate the connection device within 5 minutes to enable the *Bluetooth* connection.**

On the connection device, enable the *Bluetooth* function.

**5 On the connection device, select “NX-B150 Yamaha” from the device list to start pairing.**

When pairing completes,  (*Bluetooth*) will stop flashing and light up.

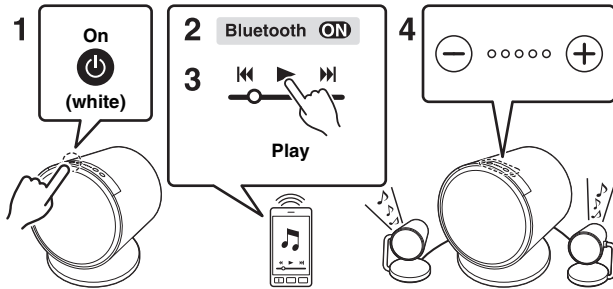


- If you are prompted to input a passkey, input “0000”.
- For details on connections, see the owner’s manual supplied with the connection device.



This unit can be paired with up to 8 other devices. When pairing is conducted successfully with the 9th device, the pairing information of the least recently paired device will be deleted.

## Playing music via a Bluetooth connection



- 1 Press  $\text{\textcircled{P}}$  (power) to turn on this unit.**  
If the most recently connected device is available, it connects to this unit automatically. In such a case, proceed to step 3.
- 2 Operate the connection device paired with this unit to establish a *Bluetooth* connection.**  
When a *Bluetooth* connection establishes,  $\text{\textcircled{B}}$  (*Bluetooth*) lights blue.
- 3 Play music on the connection device.**
- 4 Adjust the volume using  $-/+$  (volume) on this unit.**

## Disabling the *Bluetooth* connection

Follow one of the procedures below to disable the *Bluetooth* connection.

- (A) Press  $\text{\textcircled{B}}$  (*Bluetooth*) to turn off the indicator.**
- (B) Press  $\text{\textcircled{P}}$  (power) to turn off this unit.**
- (C) Disable the *Bluetooth* function on the connection device.**

## Switching the *Bluetooth* connection

Only 1 device can connect to this unit at once. Disconnect the current *Bluetooth* connection, and then operate the *Bluetooth* device you want to connect to this unit to establish a new connection.

## Deleting all the pairing information




This operation deletes all the pairing information from this unit.

- 1 Press  $\text{\textcircled{P}}$  (power) to turn on this unit.**
- 2 Press and hold  $\text{\textcircled{B}}$  (*Bluetooth*) for about 10 seconds.**  
 $\text{\textcircled{B}}$  (*Bluetooth*) will flash quickly and all the pairing information will be deleted.

## Troubleshooting

Refer to the table below if this unit does not operate properly. If your problem is not listed below, or if the problem persists, turn off this unit, disconnect the power cable, and contact the nearest authorized Yamaha dealer or service center.

### ■ General

Problem	Cause	Solution
<b>No sound is output from either or both of the speakers, or the sound is too quiet.</b>	 (power) is not turned on.	Turn on  (power). When the power is on,  (power) lights white.
	The speakers are not connected properly, or this unit and the connection device are not connected properly. (Or, the contact is incomplete.)	Make sure the speakers are connected properly. (☞ page 8) Or, reestablish a <i>Bluetooth</i> connection. (☞ page 11)
	The volume on this unit is too low.	Increase the volume by pressing + (volume).
	The volume on the connection device is too low.	Increase the volume on the connection device.

### ■ AUTO STANDBY

Problem	Cause	Solution
<b>The auto-standby function does not work.</b>	The <b>AUTO STANDBY</b> switch is set to <b>OFF</b> .	Set the <b>AUTO STANDBY</b> switch to <b>ON</b> . (☞ page 9)
<b>The auto-power on function does not work.</b>	The volume on the connection device is too low.	Increase the volume on the connection device.

■ **Bluetooth**

Problem	Cause	Solution
<p><b>Cannot make this unit pair with the connection device, or cannot establish a connection.</b></p>	<p>A pairing operation was not done within about 5 minutes after pressing and holding <math>\times</math> (<i>Bluetooth</i>).</p>	<p>Perform the pairing operation within about 5 minutes on the connection device. (☞ page 10)</p>
	<p>The connection device does not support A2DP.</p>	<p>Pair with a device that supports A2DP.</p>
	<p>There is a device (microwave oven, wireless LAN, etc.) that outputs signals in the 2.4 GHz frequency band nearby.</p>	<p>Place this unit apart from such devices.</p>
	<p>Another device is already connected to this unit.</p>	<p>Disable the current <i>Bluetooth</i> connection. (☞ page 11)</p>
	<p>The pairing information is stored on the connection device but has been deleted from this unit.</p>	<p>Delete the pairing information on the connection device, and then pair with this unit again. (☞ page 10)</p>
	<p>The <i>Bluetooth</i> function is disabled on the connection device.</p>	<p>Enable the <i>Bluetooth</i> function on the connection device.</p>
	<p>This unit has not been registered to the <i>Bluetooth</i> device list on the connection device.</p>	<p>Perform the pairing operation again. (☞ page 10)</p>
<p><b>No sound is produced or the sound is interrupted during playback.</b></p>	<p>The <i>Bluetooth</i> connection of this unit and the connection device has been disabled.</p>	<p>Reestablish a <i>Bluetooth</i> connection. (☞ page 11)</p>
	<p>There is a device (microwave oven, wireless LAN, etc.) that outputs signals in the 2.4 GHz frequency band nearby.</p>	<p>Place this unit apart from such devices.</p>
	<p>This unit is not set as an output destination on the connection device.</p>	<p>Set this unit as an output destination on the connection device.</p>

# Specifications

## ■ Bluetooth

Bluetooth version ..... Ver. 3.0  
Supported profile ..... A2DP  
Supported audio codec ..... SBC, AAC  
RF output power ..... Bluetooth Class 2  
Maximum communications range ..... 10 m (33 ft) without interference

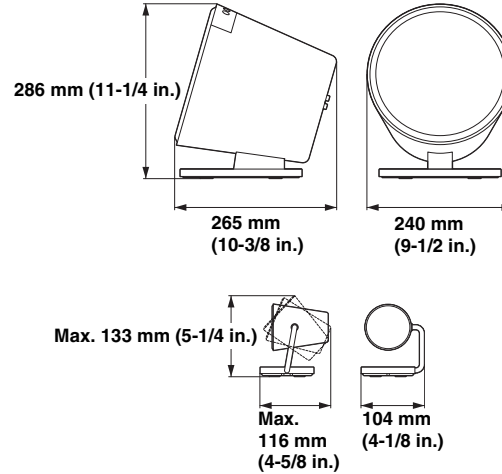
## ■ AUX

AUX input jack ..... 3.5 mm (1/8 in) stereo mini jack

## ■ GENERAL

Power voltage/frequency ..... AC 100 to 240 V, 50/60 Hz  
Power consumption ..... 7 W  
Power consumption when powered off ..... 0.4 W  
Power consumption when standby (Bluetooth ready) ..... 1.0 W  
Weight  
Bass unit ..... 3.7 kg (8.2 lbs.)  
Satellite speakers (including the 4-meter cable) ..... 0.5 kg (1.0 lbs.) × 2

## Dimensions



Specifications are subject to change without notice.

## Bluetooth

- *Bluetooth* is a technology for wireless communication between devices within an area of about 10 meters (33 ft) employing the 2.4 GHz frequency band, a band which can be used without a license.
- *Bluetooth* is a registered trademark of the *Bluetooth* SIG and is used by Yamaha in accordance with a license agreement.

## Handling Bluetooth communications

- The 2.4 GHz band used by *Bluetooth* compatible devices is a radio band shared by many types of equipment. While *Bluetooth* compatible devices use a technology minimizing the influence of other components using the same radio band, such influence may reduce the speed or distance of communications and in some cases interrupt communications.
- The speed of signal transfer and the distance at which communication is possible differs according to the distance between the communicating devices, the presence of obstacles, radio wave conditions and the type of equipment.
- Yamaha does not guarantee all wireless connections between this unit and devices compatible with *Bluetooth* function.

- Radio waves may affect electro-medical devices.  
Do not use this unit near medical devices or inside medical facilities.
- Do not use this unit within 22 cm (9 inches) of persons with a heart pacemaker implant or defibrillator implant.

The user shall not reverse engineer, decompile, alter, translate or disassemble the software used in this unit, whether in part or in whole. For corporate users, employees of the corporation itself as well as its business partners shall observe the contractual bans stipulated within this clause. If the stipulations of this clause and this contract cannot be observed, the user shall immediately discontinue using the software.

We, Yamaha Music Europe GmbH hereby declare that this unit is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

### Yamaha Music Europe GmbH

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## Information for Users on Collection and Disposal of Old Equipment



This symbol on the products, packaging, and/or accompanying documents means that used electrical and electronic products should not be mixed with general household waste.

For proper treatment, recovery and recycling of old products, please take them to applicable collection points, in accordance with your national legislation and the Directives 2002/96/EC.

By disposing of these products correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.

For more information about collection and recycling of old products, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

[Information on Disposal in other Countries outside the European Union]

This symbol is only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

**Important Notice: Guarantee Information for customers in EEA\* and Switzerland****English**

For detailed guarantee information about this Yamaha product, and Pan-EEA\* and Switzerland warranty service, please either visit the website address below (Printable file is available at our website) or contact the Yamaha representative office for your country. \* EEA: European Economic Area

<http://europe.yamaha.com/warranty/>

