



AB

NX-B55

BLUETOOTH SPEAKER SYSTEM

OWNER'S MANUAL



Features

Plays a variety of contents with high-quality sound.

Playing wirelessly via *Bluetooth* and connecting the audio cable to **AUDIO INPUT** connector allows you to connect a variety of external devices, such as mobile phones, computers, portable players, etc.

AUTO STANDBY

When no sound is input for a period of time, the speakers go to standby mode automatically. Since you do not have to turn on/off the power every time, you can save energy.

Loudness control

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



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. For proper ventilation, allow the following minimum clearances.
Top: 5 cm
Rear: 5 cm
Sides: 5 cm
- 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 AC adaptor from the wall outlet, grasp the AC adaptor; 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.

- 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 the power cable from the AC 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 adaptor supplied with this unit. Using an AC adaptor other than the one provided may cause fire or damage to this unit.
- 16 Install this unit near the wall outlet and where the power cable 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 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 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.

Note

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.

Do not use this unit within 22 cm (9 inches) of persons with a heart pacemaker implant or defibrillator implant.

Radio waves may affect electro-medical devices.

Do not use this unit near medical devices or inside medical facilities.

Precautions

Please read the following operating precautions before use:

- Use the AC adaptor designed specifically for this unit only. Yamaha is not responsible for damage caused by using other power adaptors.
- Do not apply pressure or force the control knobs of this unit, or place heavy items on the cabinet.
- Avoid outputting from test disks, electrical musical instruments, or from extremely loud or distorted input. It may cause a malfunction of the speakers.
- This unit may cause picture distortion when placed close to a computer monitor or television. In this case, move the unit away from them.
- Keep this unit away from magnetic media such as floppy disks and tapes. Otherwise the data on the media may become corrupted.
- Remove the AC adaptor from the wall outlet immediately if any problem is found.

Contents

Controls and functions	1
AUTO STANDBY	3
Connections	4
Bluetooth connection for playing music	5
Troubleshooting	8
Status indicator (LED)	11
Specifications	11

Supplied accessories

Before assembly and connecting, make sure you have received all of the following items.

- AC adaptor × 1
- 3.5 mm stereo mini plug cable (2.0 m) × 1

Controls and functions

① Headphones connector (3.5 mm stereo mini jack)

Use for a headphones connection.



When headphones are connected, sound is not output through the speakers.

Notes

To protect your hearing, make sure that the volume is low before headphones are used.

- Do not use headphones with a loud volume for a long time. Otherwise, your hearing may be damaged.
- Make sure that the volume of the audio devices is at minimum before headphones are connected. A sudden loud sound may damage your hearing.

② VOL (volume) control

Controls the volume of the speakers and the headphones.

The volume becomes louder as the **VOL** (volume) control is rotated to the right, and quieter as it is rotated to the left.

Loudness control

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

The function automatically corrects for optimum sound, depending on the unit's output level.

Adjust the output sound level as follows;

1 After you connect an external device to this unit, turn on the power of this unit and then rotate the **VOL** (volume) control to the 2 o'clock position (see the illustration below).

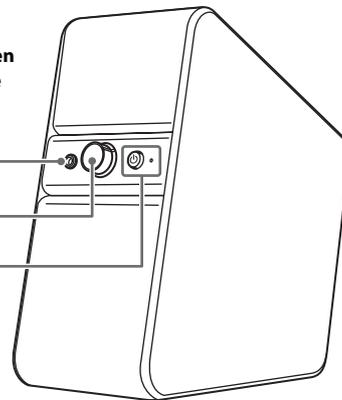
2 Adjust the volume of the external device to the loudest level before the onset of distortion. For details about external devices, see their instruction manuals.

3 Rotate the **VOL** (volume) control of this unit to adjust the volume to the desired level.

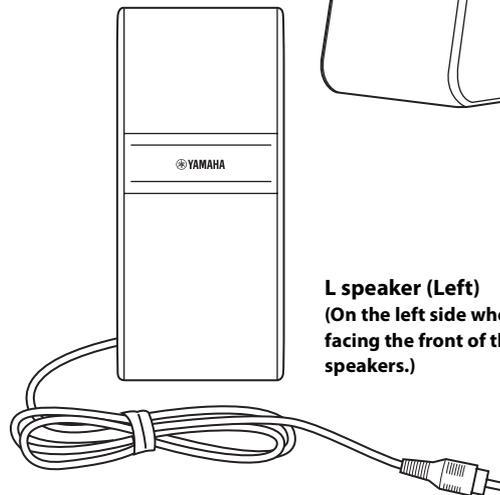


Front panel

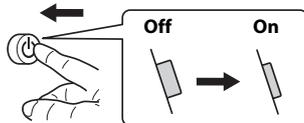
R speaker (Right)
(On the right side when facing the front of the speakers.)



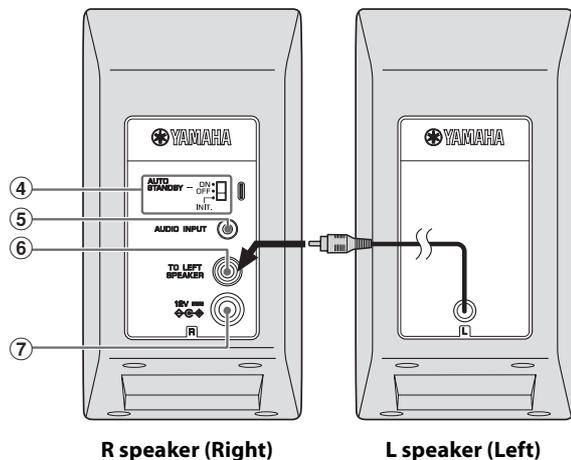
L speaker (Left)
(On the left side when facing the front of the speakers.)



Viewing the  (power) button from the side...



Rear panel



R speaker (Right)

L speaker (Left)

③  (power)/indicator (LED)

When you press  (power), this unit will turn on and the indicator will light up.

Note

Even when this unit is turned off or is in standby mode, it consumes a small amount of electricity.

④ **AUTO STANDBY switch**

- **ON:** Activates the auto-standby mode (**ON** in default setting,  page 3).
- **OFF:** Deactivates the auto-standby mode ( page 3).
- **INIT.:** Initializes the *Bluetooth* pairing data ( page 7).

⑤ **AUDIO INPUT (input connector)**

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

 **Multi-Source Mix**

While playing music via *Bluetooth* connection, the audio will be mixed and output from the speakers or headphones when the music is played via **AUDIO INPUT**. For example, you can listen to the news from a TV while playing the music from a portable player by mixing them.

⑥ **TO LEFT SPEAKER**

Connects with a cable from the **L** speaker (Left) through this connector.

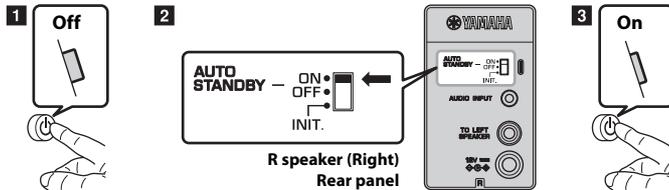
⑦ **12V  (DC 12V)**

Make sure you use the supplied AC adaptor.

AUTO STANDBY

This unit has a function that automatically activates standby mode (power save mode) when no audio signal is input from a connected device, or when the connected device is playing at a low volume for a certain period (about 30 minutes). In standby mode, the indicator light turns off.

Activates the auto-standby mode

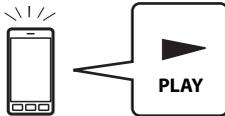


- 1 Press (power) to turn off this unit (Power off).
- 2 Set the **AUTO STANDBY** switch to **ON**.
- 3 Press (power) to turn on this unit.

Notes

- Auto-standby mode activates when the power is on.
- The time it takes to enter standby mode is only a guide, and varies depending on the situation.

Auto-power on



Play the connected device in standby mode...

In standby mode, if signal is input, the unit turns on and sound is output from the speakers (Auto-power on).

Notes

- If the volume from a connected device is too low, this unit may not start. In this case, turn up the volume of the connected device.
- If a device that emits electromagnetic waves, such as a mobile phone, is used near this unit, the unit may start by itself, or not enter standby mode as a result of input signal noise while making or receiving a phone call.

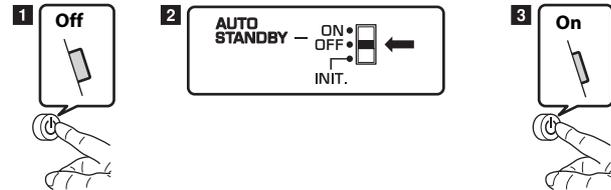
Deactivating the auto-standby mode

If this unit enters standby mode while you are using it, perform either of the steps below, **A** or **B**.

A Adjust the volume.

- 1 Slightly turn up the volume of the connected device.
- 2 Rotate the **VOL** (volume) control of this unit and adjust to the desired sound level.

B Set the AUTO STANDBY switch to OFF.

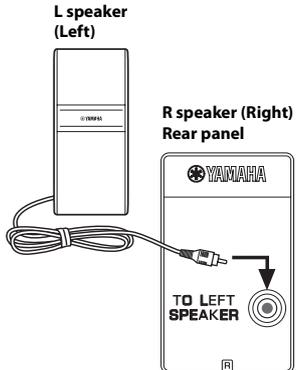


- 1 Press (power) to turn off this unit.
- 2 Set the **AUTO STANDBY** switch on the rear to **OFF**.
- 3 Press (power) to turn on this unit.

Notes

- The default setting of the **AUTO STANDBY** switch is **ON**.
- If this unit is not used for a long time, press (power) for power off.
- To activate auto-standby mode again, set the **AUTO STANDBY** switch on the rear to **ON**.

Connections

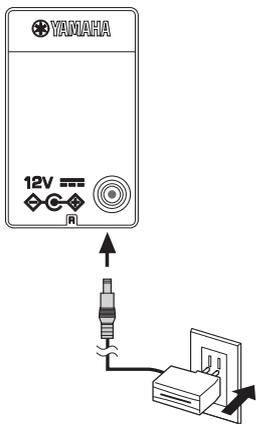


L speaker (Left)

R speaker (Right) Rear panel

TO LEFT SPEAKER

1 Connect the cable from the **L speaker (Left)** at the rear, to **TO LEFT SPEAKER** on the rear of the **R speaker (Right)**.

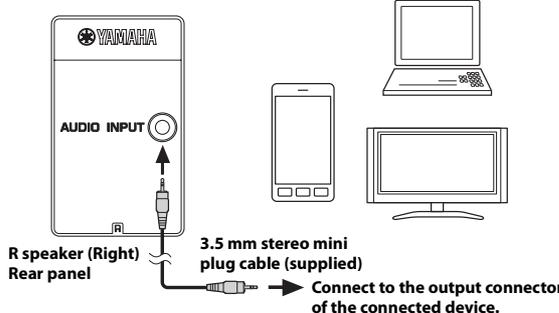


R speaker (Right) Rear panel

12V

2 Connect the supplied AC adaptor to **12V** (DC 12V) and insert its plug to the wall outlet.

Connect an external device using the supplied cable.



R speaker (Right) Rear panel

3.5 mm stereo mini plug cable (supplied)

Connect to the output connector of the connected device.

Connect the supplied 3.5 mm stereo mini plug cable between **AUDIO INPUT** and the external device (TV, computer, etc.), as illustrated. For details, see the external device's operating instructions.

Connect via *Bluetooth*.

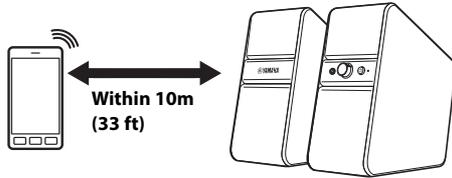


Bluetooth

See “*Bluetooth* connection for playing music” (page 5).

Bluetooth connection for playing music

This unit enables you to enjoy music playback wirelessly with a *Bluetooth* device (such as mobile phones, computers, portable players, etc.) by pairing (registering) with the device and establishing a *Bluetooth* connection with this unit.

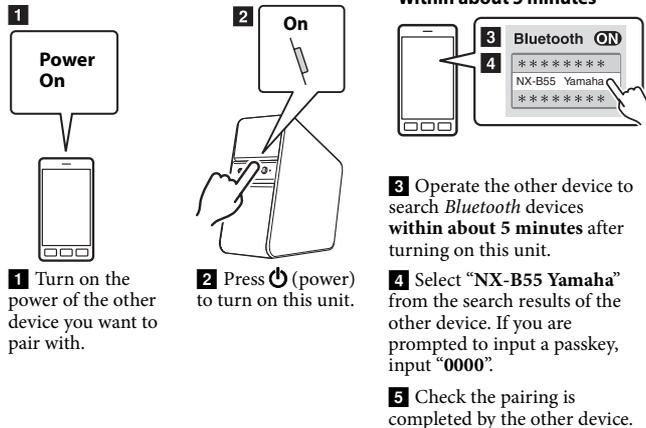


Notes

- Install in a stable place.
- Do not place on top of steel or other metal.
- Do not cover with a cloth, etc.
- Install in the same room where the device is with which signals are to be exchanged (*Bluetooth* profile A2DP compatible portable music player, mobile phone, etc.) within a direct, maximum line-of-sight distance of 10 m (33 ft).
- Make sure there are no obstacles between this unit and the *Bluetooth* device.

Pairing (Registration)

Pairing must be performed when using *Bluetooth* connection for the first time or if pairing data has been deleted. Pairing can be done **within about 5 minutes** after the power is turned on.



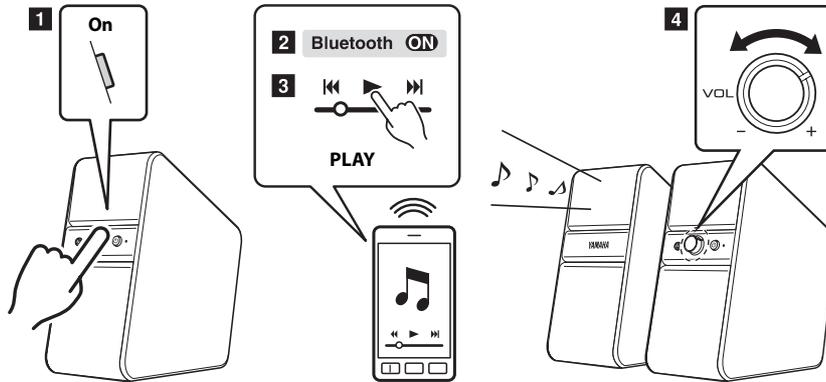
What is pairing?

Pairing is the operation to register a device (hereafter referred to as "other device") for *Bluetooth* communications. Follow the steps described on the left to pair.

Notes

- Check that the pairing process on the other device has been completed. If the pairing process fails, start over from step **2**. For details, see the other device's operating instructions.
- If the power supply to this unit is cut off during the pairing operation, the pairing data may be damaged. If so, perform the steps described in "Clearing all the pairing data" and then perform pairing again (☞ page 7).
- This unit can be paired with up to 8 other devices. When pairing is conducted successfully with the 9th device and the pairing data is registered, the pairing data of the other device which is the least recently connected to this unit, is cleared.

Playback via Bluetooth connection

**Auto Connection**

This unit and the other device are connected automatically if the device is the latest recently connected one and ready to connect.

Notes

- Auto Connection may not be available depending on the other device.
- Operate the other device to establish *Bluetooth* connection if Auto Connection is not available.

- 1 Press (power) to turn on this unit.
- 2 Operate the paired other device to establish the *Bluetooth* connection.
The status indicator lights up in blue when *Bluetooth* connection is completed.
- 3 Start playback of the other device.
- 4 Adjust the volume level using the **VOL** (volume) control of this unit.



Some devices can be connected automatically while pairing. In that case, you can omit step **1** and **2**.

Disconnecting Bluetooth

The *Bluetooth* connection will be disconnected by performing either of the steps below,

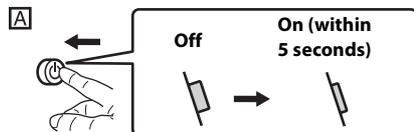
A or **B**.

- A** Press (power) to turn off this unit.
- B** Set the *Bluetooth* function of other device to off.

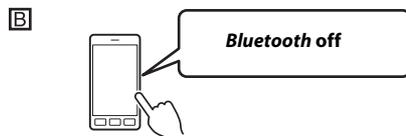
Switching to another Bluetooth device

Only one other device can be connected to this unit at the same time. If you want to switch the currently connected device to another one, perform the following steps.

1 Perform either of the steps below, **A** or **B**.



Press  (power) to turn off this unit once. Then, press  (power) to turn on this unit within 5 seconds.



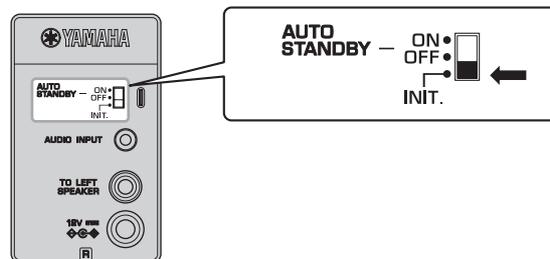
Operate the other device which the *Bluetooth* connection has been established with, to disconnect the *Bluetooth* connection.

2 Operate the other device to which you want to switch *Bluetooth* connection. If the other device is being paired with this unit for the first time, complete pairing within about 5 minutes.



If more than about 5 minutes has passed since this unit is turned on again, this unit may have automatically reconnected to its last-connected device, through Auto Connection. In that case, start over from step **1**.

Clearing all the pairing data



- 1 Press  (power) to turn off this unit.
- 2 Set the **AUTO STANDBY** switch on the rear to **INIT.**
- 3 Press  (power) to turn on this unit, and wait about 3 seconds. All the pairing data in this unit will be deleted.
- 4 Press  (power) to turn off this unit.
- 5 Set the **AUTO STANDBY** switch on the rear back to the previous position (**ON** in default setting).

Troubleshooting

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

■ General

Symptoms	Causes	Remedies
This unit is not turned on.	The AC adaptor is disconnected from the wall outlet or 12V $\overline{\text{---}}$ (DC 12V).	Connect the AC adaptor to the wall outlet or 12V $\overline{\text{---}}$ (DC 12V) correctly.
	The  (power) is not turned on.	Turn on the  (power). (The indicator lights up.)
No sound is output from either of the speakers, or the sound is too quiet.	This unit and the other device are not connected correctly.	Make sure that this unit and the other device are connected correctly.
	Connections are faulty (or the connections are incomplete).	Check that the connections are made correctly. Or connect this unit to the <i>Bluetooth</i> device, again.
	This unit's volume is set to too low.	Turn the VOL (volume) control to the right to increase the volume.
	The sound from the connected device is too quiet.	Increase the volume of the connected device.
	Headphones are connected. (No sound comes from the speakers when headphones are connected.)	Disconnect the headphones from this unit.
	The AUTO STANDBY switch at the rear is set to INIT..	Set the AUTO STANDBY switch at the rear to ON or OFF , again (ON in default setting.  page 3).
The sound is distorted.	The sound is too loud.	Lower the volume of the connected device.
Noise is heard.	Connections are faulty (or the connections are incomplete).	Check that the connections are made correctly.
	The output connector has a bad connection.	Check that the stereo mini jack and stereo mini plug cable are not dirty. If they are dirty, clean them.
	External noise is picked up.	Make sure that devices which emit electromagnetic waves, such as mobile phones, wireless appliances, microwaves or inverter lighting equipment, are not near this unit.
	Power-supply noise is picked up.	Change the source of power supply by directly connecting the AC adaptor to the wall outlet, etc.

Troubleshooting

Symptoms	Causes	Remedies
The sound is muted automatically.	Auto-standby is functioning.	Increase the volume level of the connected device, or press  (power) twice to turn on this unit. See “Deactivating the auto-standby mode” (☞ page 3).
Auto-standby is not functioning.	The AUTO STANDBY switch is set to OFF .	Set the AUTO STANDBY switch to ON .
	Catching external noise.	If this unit is close to mobile phones, radio devices, microwaves, inverter lights, etc., install this unit away from them.
Auto-power on does not work.	The volume of the other device is low.	Increase the volume level of the other device.
	The played audio is too short.	This unit is not turned on if the duration of the sound is short, such as a click.
There is sound from the TV, even though this unit and TV are connected by an audio cable.	The TV is not suitably set.	Change the settings of TV.

■ Bluetooth

Symptoms	Causes	Remedies
Cannot make this unit pair or connect with the other device.	You can connect this unit to the other device within about 5 minutes of turning on this unit or stopping the <i>Bluetooth</i> connection with the other device.	See “Pairing (Registration)” (☞ page 5).
	The other device does not support A2DP.	Perform the pairing operations with a device which supports A2DP.
	A <i>Bluetooth</i> adaptor, etc., that you want to pair with this unit has a passkey other than “0000”.	Use a <i>Bluetooth</i> adaptor, etc., whose passkey is “0000”.
	The distance between this unit and the <i>Bluetooth</i> device is too long.	Reposition this unit within 10 m (33 ft) of the other device.
	There is a device (microwave oven, wireless LAN, etc.) that outputs signals in the 2.4 GHz frequency band nearby.	Install this unit away from such devices.
	<i>Bluetooth</i> connection is already established with another device.	Stop the <i>Bluetooth</i> connection with another device.

Symptoms	Causes	Remedies
	The iPhone/iPad/iPod touch stores any recently paired device in memory to allow connection with the same device again later. If NX-B55 is initialized, the iPhone/iPad/iPod touch will recognize it as a different device.	Delete any pairing history of NX-B55 on the iPhone/iPad/iPod touch, then pair with the NX-B55 again (“Pairing (Registration)”  page 5).
No sound is produced or the sound is interrupted during playback.	The other device is not connected to this unit by <i>Bluetooth</i> .	Perform <i>Bluetooth</i> connection. See “Playback via <i>Bluetooth</i> connection” ( page 6).
	The distance between this unit and the <i>Bluetooth</i> device is too long.	Reposition this unit within 10 m (33 ft) of the other device.
	There is a device (microwave oven, wireless LAN, etc.) that outputs signals in the 2.4 GHz frequency band nearby.	Install this unit away from such devices.
	The other device’s <i>Bluetooth</i> function is not enabled.	Check that the <i>Bluetooth</i> function of the other device is set properly.
	This unit is not registered on the other device’s <i>Bluetooth</i> device list.	Perform the pairing operations again.
	The other device is not set to send <i>Bluetooth</i> audio signals to this unit.	Check that the <i>Bluetooth</i> function of the other device is set properly.
	The pairing setting of the other device is not set to this unit.	Set the other device to pair with this unit.
	The other device’s volume is set to too low.	Increase the volume level of the other device.

* If **VOL** (volume) stays at maximum after the  (power) is turned off, the slight sound may be heard from the headphones.

* iPad, iPhone, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.

Status indicator (LED)

Indicator (LED)	Power	Bluetooth	Auto Connection
off	Power off/ Standby	-	-
Green (lights up)	Power on	not connected	on
Green (flashes for several seconds, then lights up)			off*1
Blue (lights up)		connected	-
Green Blue Green ... (changes rapidly)*2		-	-

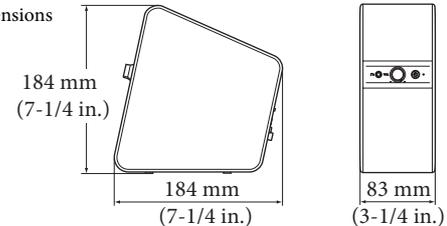
*1: If you perform the steps in “Switching to another *Bluetooth* device” (☞ page 7), the indicator flashes in green for several seconds, and then Auto Connection will be disabled for about 5 minutes.

*2: When clearing all the pairing data according to the steps in “Clearing all the pairing data” (☞ page 7).

Specifications

<i>Bluetooth</i> version	Ver. 2.1+EDR
Supported profile	A2DP
Supported audio codec	SBC, AAC
RF output power	<i>Bluetooth</i> Class 2
Maximum communications range	10 m (33 ft) without interference
Input connector	ø 3.5 mm (1/8 in.) stereo mini jack × 1
Headphone output connector	ø 3.5 mm (1/8 in.) stereo mini jack × 1
Power voltage/Frequency	
U.S.A. and Canada models	AC 120 V, 60 Hz
Other models	AC 100 to 240 V, 50/60 Hz
Power consumption	13 W (speaker)
Power consumption when powered off	0.5 W or less
AC adaptor	
Australia model	MU18-D120150-A3 (DC 12 V, 1.5 A)
U.K. model	MU18-D120150-B2 (DC 12 V, 1.5 A)
Weight	
Right speaker	1.1 kg (2.4 lbs)
Left speaker	1.0 kg (2.2 lbs)*
* Including speaker cable (2.0 m)	

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.

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

Siemensstr. 22-34 25462 Rellingen, Germany
Tel: +49-4101-303-0

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.

AVEEA71102A

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

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/>)



© 2013 Yamaha Corporation

YAMAHA CORPORATION
Printed in China ZJ05580