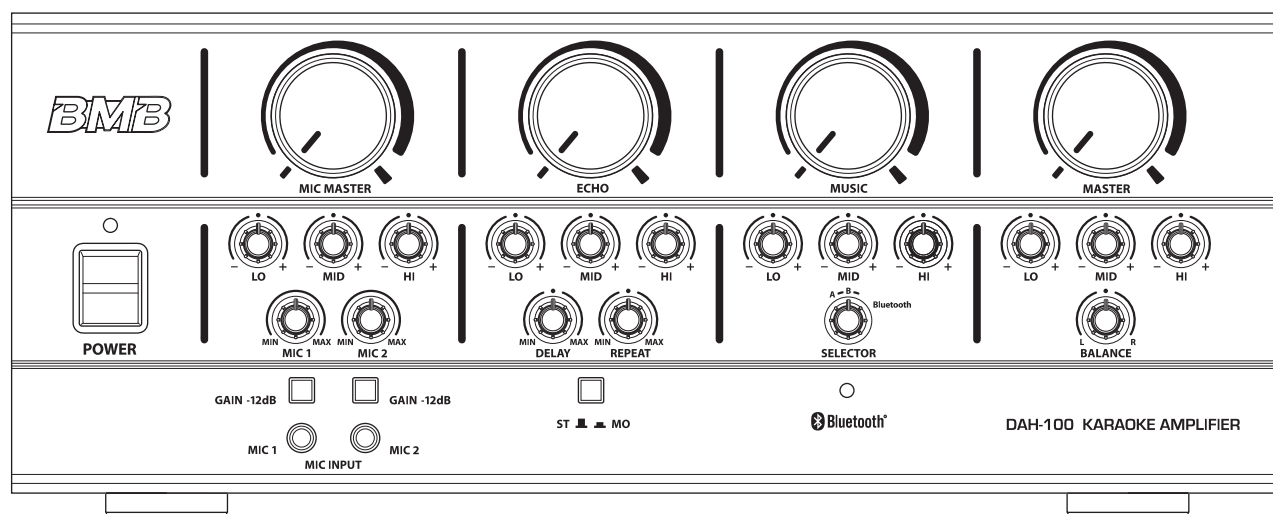


OWNER'S MANUAL



Thank you very much for purchasing BMB products.

Prior to use, be sure to read this owner's manual from cover to cover so that you can make the most of this unit. The manual will come in handy whenever you come across any question or trouble while using the unit.

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USING THE UNIT SAFELY



• ABOUT THE SAFETY SYMBOLS



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



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

INSTRUCTIONS FOR THE PREVENTION OF FIRE, ELECTRIC SHOCK OR INJURY TO PERSONS

About ⚠ WARNING and ⚠ CAUTION Notices

WARNING	Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.
CAUTION	Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly. * Material damage refers to damage or other adverse effects caused with respect to the home and all its furnishings, as well to domestic animals or pets.

About the Symbols

	The ⚠ symbol alerts the user to important instructions or warnings. The specific meaning of the symbol is determined by the design contained within the triangle. In the case of the symbol at left, it is used for general cautions, warnings or alerts to danger.
	The ⚡ symbol alerts the user to items that must never be carried out (are forbidden). The specific thing that must not be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the unit must never be disassembled.
	The ⏻ symbol alerts the user to things that must be carried out. The specific thing that must be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the power cable plug must be unplugged from the outlet.

	The lightning flash with arrowhead symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.
--	--

-----ALWAYS OBSERVE THE FOLLOWING-----

WARNING	
Do not disassemble or modify by yourself.	
Do not open (or modify in any way) the unit or its power cable.	

Do not repair or replace parts by yourself.	
Do not attempt to repair the unit, or replace parts within it (except when this manual provides specific instructions directing you to do so). Refer all servicing to your retailer.	

Do not use or store in the following types of locations.	
<ul style="list-style-type: none">• Subject to temperature extremes (e.g., direct sunlight in an enclosed vehicle, near a heating duct, on top of heat-generating equipment); or are• Damp (e.g., baths, washrooms, on wet floors); or are• Exposed to steam or smoke; or are• Subject to salt exposure; or are• Humid; or are• Exposed to rain; or are• Dusty or sandy; or are• Subject to high levels of vibration and shakiness; or are• In a place near cooking utensils where the unit may be subjected to soot, smoke, fume or heat.	

Do not place in an unstable location	
Make sure you always place the unit where it is level and sure to remain stable. Never place it on stands that could wobble, or on inclined surfaces.	

Use only the supplied power cable	
Use only the supplied power cable. Do not use it with any other device.	

Do not bend the power cable or place heavy objects on it.	
Do not excessively twist or bend the power cable, nor place heavy objects on it. Doing so can damage the power cable, resulting in severing the cable and short circuits. Damaged cables may cause fire and electric shock.	

Avoid extended use at high volume.	
The unit in combination with speakers may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level, or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should immediately stop using the unit and consult an audiologist.	

⚠ WARNING

Do not allow foreign objects or liquids to enter the unit; never place containers with liquid on the unit.

Do not place containers containing liquid on the unit. Never allow foreign objects (e.g., flammable objects, coins, wires) or liquids (e.g., water or juice) to enter the unit. Doing so may cause short circuits, faulty operation or other malfunctions.



Turn off the unit if an abnormality or malfunction occurs.

Immediately turn the unit off, remove the power cable from the power outlet and request servicing by your retailer:

- The power cable or the plug has been damaged; or
- If smoke or unusual odor occurs; or
- Objects have fallen into or liquid has been spilled onto the unit; or
- The unit has been exposed to rain (or otherwise has become wet); or
- The unit does not appear to operate normally or exhibits a marked change in performance.



When children are nearby the unit, have adults supervise them.

When using the unit where children are, be careful not to misoperate the unit. Adults should always be around to provide supervision and guidance.



Do not drop or subject to strong impact.

Protect the unit from strong impact. (Do not drop it!)



⚠ WARNING

Do not share an power outlet with an unreasonable number of other devices.

Do not force the power cables to share a power outlet with an unreasonable number of other devices.

Be especially careful when using extension cords. The power rating (watts/amperes) for the extension cord must not exceed total power of all the used devices connected to the extension cord's outlet.

Excessive loads can cause the insulation on the extension cords to heat up and eventually melt through.



Check the voltage of your local power outlet

The power cable should not be connected to a direct current (DC).



Connect the unit to a power outlet that supports a protective earthing connection.



Connect the unit to the speaker terminals using cables (commercially available) or you may consult an instructed person.



Use the unit at an altitude under 2,000 meters.



⚠ WARNING

Read these instructions.



Keep these instructions.



Heed all warnings.



Follow all instructions.



Do not use the unit near water.



Clean only with dry cloth.



Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.



Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including this unit) that generates heat.



Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your power outlet, consult an electrician for replacement of the obsolete power outlet.



Protect the power cable from being stepped on or pinched particularly at plugs, convenience receptacles and the point where they exit from the unit.



Use attachments/accessories specified by the manufacturer only.



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/apparatus combination to avoid injury from tip-over.



Unplug the unit during lightning storms or when unused for long periods of time.



USING THE UNIT SAFELY

Refer all servicing to qualified service personnel.

Servicing is required when the unit has been damaged in any way, such as when the power cable or plug is damaged, liquid has been spilled or objects have fallen into the unit, the unit has been exposed to rain or moisture, does not operate normally or has been dropped.



To reduce the risk of fire or electric shock, do not expose the unit to rain or moisture.



CAUTION

Place in a well ventilated location.

Install the unit in a place with a good air circulation. Otherwise, it will not ventilate properly.



Handle the cables safely.

Prevent cables from being entangled. Keep the cables where they are out of children's reach.



Avoid stepping on the unit or placing heavy objects on it.

Do not step on top of or place heavy objects on the unit.



Do not connect or disconnect the power cable with wet hands.

Do not plug/unplug the cables with wet hands.



Disconnect everything before moving the unit

Before moving the unit, disconnect the power cable and all other cables connected to the external devices.



Unplug the power cable from the power outlet before cleaning.

Before cleaning the unit, turn it off and unplug the power cable from the power outlet.



Unplug the power cable from the power outlet before repairing.

Before repairing the unit, turn it off and unplug the power cable from the power outlet.



Keep small items out of children's reach.

To prevent accidental ingestion, always keep them out of small children's reach.



When not using the unit for a long time

When you leave your home for a long period of time, turn off the power and remove the power cable from the power outlet. This will prevent unexpected accidents and fire.



Do not expose the unit to dripping or splashing water.

Do not place the containers filled with liquids (vases, etc.) on the unit.



Install the circuit breaker and keep it operable while using the unit though you can shut out the power to the unit with the power plug or the couplers of the unit.



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



IMPORTANT NOTES

■ Power Supply

- Do not connect the unit to the same power outlet that is being used by an electrical device that is controlled by an inverter or a motor (such as a refrigerator, washing machine, microwave oven or air conditioner). Depending on the way in which the electrical device is used, power supply noise may cause the unit to malfunction or may produce audible noise. If it is not practical to use a separate power outlet, install a power supply noise filter between the unit and the power outlet.
- To prevent malfunction and equipment failure, always make sure to turn off the power of all your equipment before you make any connections.

■ Placement

- Using the unit near other equipment containing large power transformers may induce humming. To alleviate the problem, change the orientation of the unit or move it farther away from the source of interference.
- This device may interfere with radio and television reception. Do not use this device in the vicinity of such receivers.
- Noise may be produced if wireless communications devices, such as cell phones, are operated in the vicinity of the unit. Such noise could occur when receiving or initiating a call or while conversing. Should you experience such problems, you should relocate such wireless devices so they are at a greater distance from this unit or switch them off.
- Do not expose the unit to direct sunlight, place it near devices that radiate heat, leave it inside an enclosed vehicle or otherwise subject it to temperature extremes. Excessive heat can deform or discolour the unit.
- When moved from one location to another where the temperature and/or humidity is very different, water droplets (condensation) may form inside the unit. Damage or malfunction may result if you attempt to use the unit in this condition. Therefore, before using the unit, you must allow it to stand for several hours until the condensation has completely evaporated.
- Depending on the material and temperature of the surface on which you place the unit, its rubber feet may discolour or mar the surface. You can place a piece of felt or cloth under the rubber feet to prevent this from happening. If you do so, please make sure that the unit will not slip or move accidentally.
- Do not put anything that contains water on the unit. Also, avoid the use of insecticides, perfumes, alcohol, nail polish, spray cans, etc., near the unit. Swiftly wipe away any liquid that spills on the unit using a dry, soft cloth.

■ Maintenance

- For everyday cleaning, wipe the unit with a soft, dry cloth or one that has been slightly dampened with water. To remove stubborn dirt, use a cloth impregnated with a mild, non-abrasive detergent. Afterwards, be sure to wipe the unit thoroughly with a soft, dry cloth.
- Do not use benzine, thinners, alcohol or solvents of any kind, to avoid the possibility of discolouration and/or deformation.

- Collected dust in the power outlet may cause fire. Clean the power outlet periodically.

■ Additional Precautions

- Use a reasonable amount of care when using the unit's buttons, sliders or other controls, and when using its jacks and connectors. Rough handling can lead to malfunctions.
- Do not strike or apply strong pressure to the display.
- When disconnecting all cables, grasp the connector itself and never pull on the cable. This way you will avoid causing shorts or damage to the cable's internal elements.
- When you need to transport the unit, pack it in the box (including padding) that it came in if possible. Otherwise, you will need to use equivalent packaging materials.
- Some connection cables contain resistors. Do not use cables that incorporate resistors for connecting to this unit. The use of such cables can cause the sound level to be extremely low or impossible to hear. For information on cable specifications, contact the manufacturer of the cable.

■ On Bluetooth

- Before using the unit, make sure that no indoor wireless station with a mobile body identifying system is being used.
- If the radio frequency from the unit interferes the indoor wireless station with a mobile body identifying system, stop using this unit to perform procedures to avoid further radio frequency interference.
- Keep the unit more than 22 cm away from people with a medical device (heart pace maker implant, defibrillator implant, etc.).
- Do not use the unit near medical devices or in medical facilities. Radio waves or microwaves from *Bluetooth* devices may affect medical electronics.
- Turn off *Bluetooth* devices (including the unit) in the following places where;
 - An Emergency door (controlled automatically) or fire alarm is equipped.
 - Inflamable gas is present (gas station, airplane, train, etc.).
- Use *Bluetooth* devices within 10 m (line- of sight) from the unit. The following conditions may shorten the *Bluetooth* communication range.
 - Other wireless LAN devices are being used near the unit.
 - A device generating electromagnetic radiation (microwaves, etc.) is being used near the unit.
 - There is an obstacle (person, wall, etc.) near the unit or *Bluetooth* device.
- Since the same frequency is used by *Bluetooth* devices and wireless LAN (IEEE802.11b/g), microwaves may interfere the *Bluetooth* communication resulting in invalid connection, speed deterioration, noise, etc.
- All the wireless connections are not guaranteed with this unit.

IMPORTANT NOTES

■ Copyrights / Licenses / Trademarks

- It is forbidden by law to make an audio recording, video recording, copy or revision of a third party's copyrighted work (musical work, video work, broadcast, live performance or other work), whether in whole or in part, and distribute, sell, lease, perform or broadcast it without the permission of the copyright owner.
- Do not use this product for purposes that could infringe on a copyright held by a third party. We assume no responsibility whatsoever with regard to

any infringements of third-party copyrights arising through your use of this product.

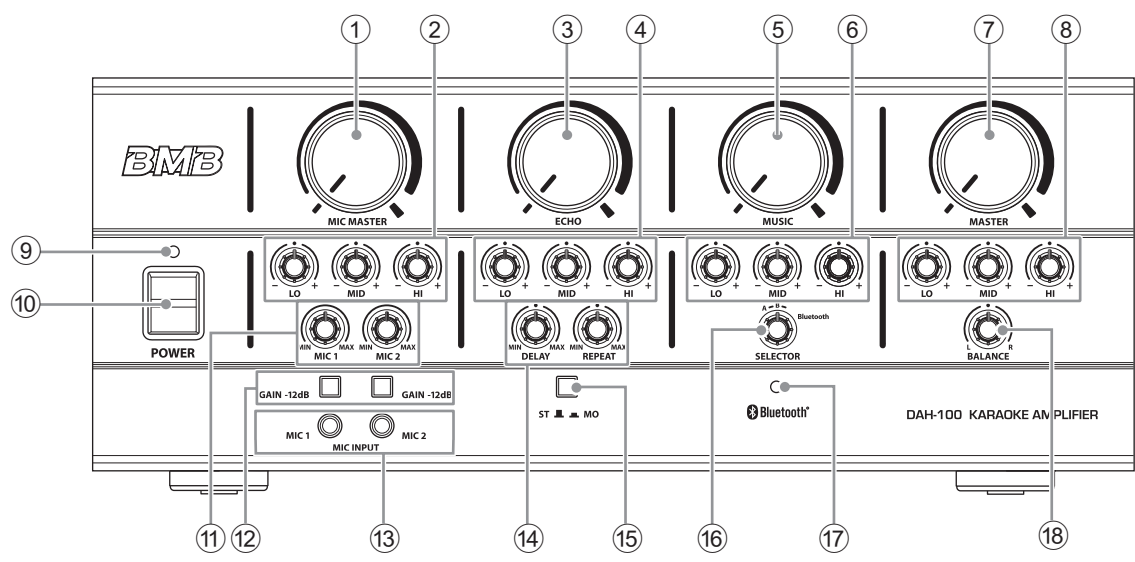
- Company names and product names appearing in this document are registered trademarks of their respective owners.
- The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by BMB international Corp. is under license. Other trademarks and trade names are those of their respective owners.

SPECIAL FEATURES

- High performance digital Karaoke amplifier with a new switching power supply technology.
- *Bluetooth* function allows you to play music in mobile phones.
- Seamless AC input voltage from 100 V to 240 V makes this product compatible worldwide.
- Lightweight achieved by equipping new switching power supply technology.

NAMES OF FRONT PANEL CONTROLS

FRONT PANEL



① **MIC MASTER**

Adjusts the entire volume of the microphones for MIC 1 and MIC 2.

② **Mic tone controls (LO/MID/HI)**

Adjusts the tone of the microphone by boosting low, middle or high frequency, respectively.

③ **ECHO**

Adjusts the entire echo and effect level of MIC 1 and MIC 2.

④ **Echo tone controls (LO/MID/HI)**

Adjusts the echo effect by boosting low, middle or high frequency, respectively.

⑤ **MUSIC**

Adjusts the volume of the music source connected to the audio input terminals.

⑥ **Music tone controls (LO/MID/HI)**

Adjusts the tone of music by boosting low, middle or high frequency, respectively.

⑦ **MASTER**

Adjusts the entire volume level.

⑧ **Master tone controls (LO/MID/HI)**

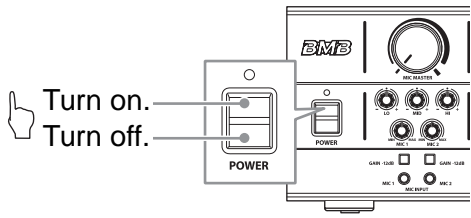
Adjusts all tones (music and microphones) by boosting low, middle or high frequency, respectively.

⑨ **Power LED**



Indicates the power status of the unit.
Lights in red: On
Off: The unit is powered off

⑩ **POWER**

Press the top to turn on the unit. Press the bottom to turn off.

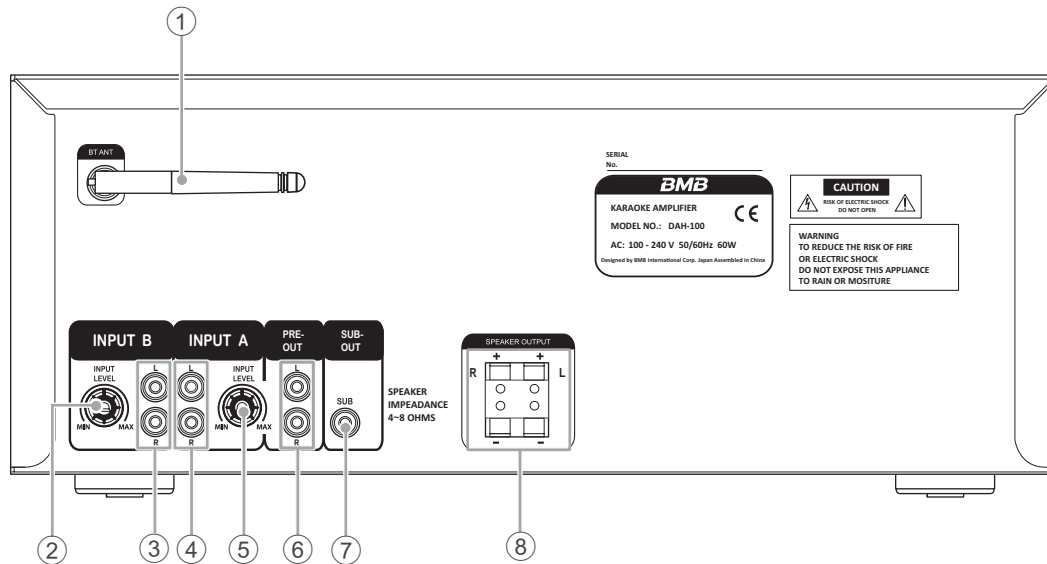


NAMES OF FRONT PANEL CONTROLS

- ⑪ **Mic volume control (MIC 1/MIC 2)**
Adjusts the volume of MIC INPUT for MIC 1 and MIC 2.
- ⑫ **GAIN-12dB**
Press when connecting/disconnecting to MIC INPUT to avoid squeaky noise.
- ⑬ **MIC INPUT (MIC 1/MIC 2)**
Microphone input jacks.
- ⑭ **DELAY/REPEAT**
DELAY: Adjusts the echo repetition intervals.
REPEAT: Adjusts the echo sustaining duration.
- ⑮ **ST /MO **
ST: Pans the echo with the speaker L/R. (Stereo echo)
MO: Press once to make echo sound monoral with L/R. (Monoral echo)
- ⑯ **SELECTOR**
Selects the input source from INPUT A, INPUT B (on the rear panel) or a *Bluetooth* device. (P.15)
- ⑰ **Bluetooth LED (blue)**
Indicates *Bluetooth* status. (P.14)
Lights: Pairing completed/connected
Flashes: Standby for pairing/connecting
- ⑱ **BALANCE**
Adjusts the balance between the output levels of the left and right speakers.

NAMES OF REAR PANEL CONTROLS

REAR PANEL



① **Bluetooth antenna**

Raise when using *Bluetooth*. Adjust the angle as necessary. (P.14)

② **INPUT LEVEL (for INPUT B)**

Adjusts the INPUT B by balancing the level of inputs.

③ **INPUT B (L/R)**

Connect the audio output jacks of the music source (Karaoke machine, etc.) here.

④ **INPUT A (L/R)**

Connect the audio output jacks of the music source (Karaoke machine, etc.) here.

⑤ **INPUT LEVEL (for INPUT A)**

Adjusts INPUT A by balancing the level of inputs.

⑥ **PRE-OUT**

Output terminals to connect to power amplifier or mixer, etc. (P.10)

⑦ **SUB-OUT**

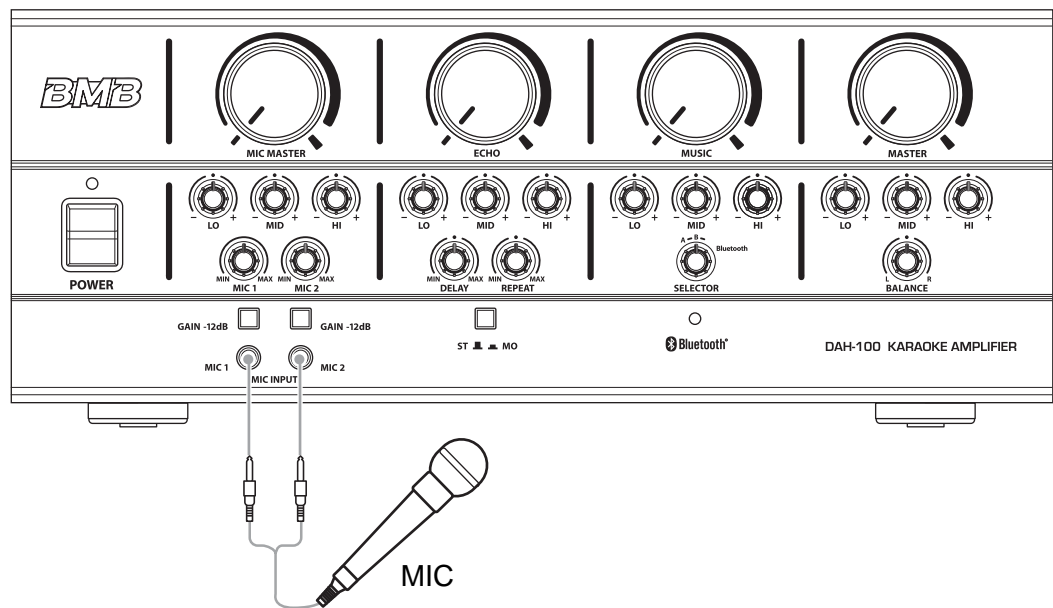
Connect the active subwoofer to output with low frequency. (Low frequency is under 200 Hz. P.10)

⑧ **SPEAKER OUTPUT**

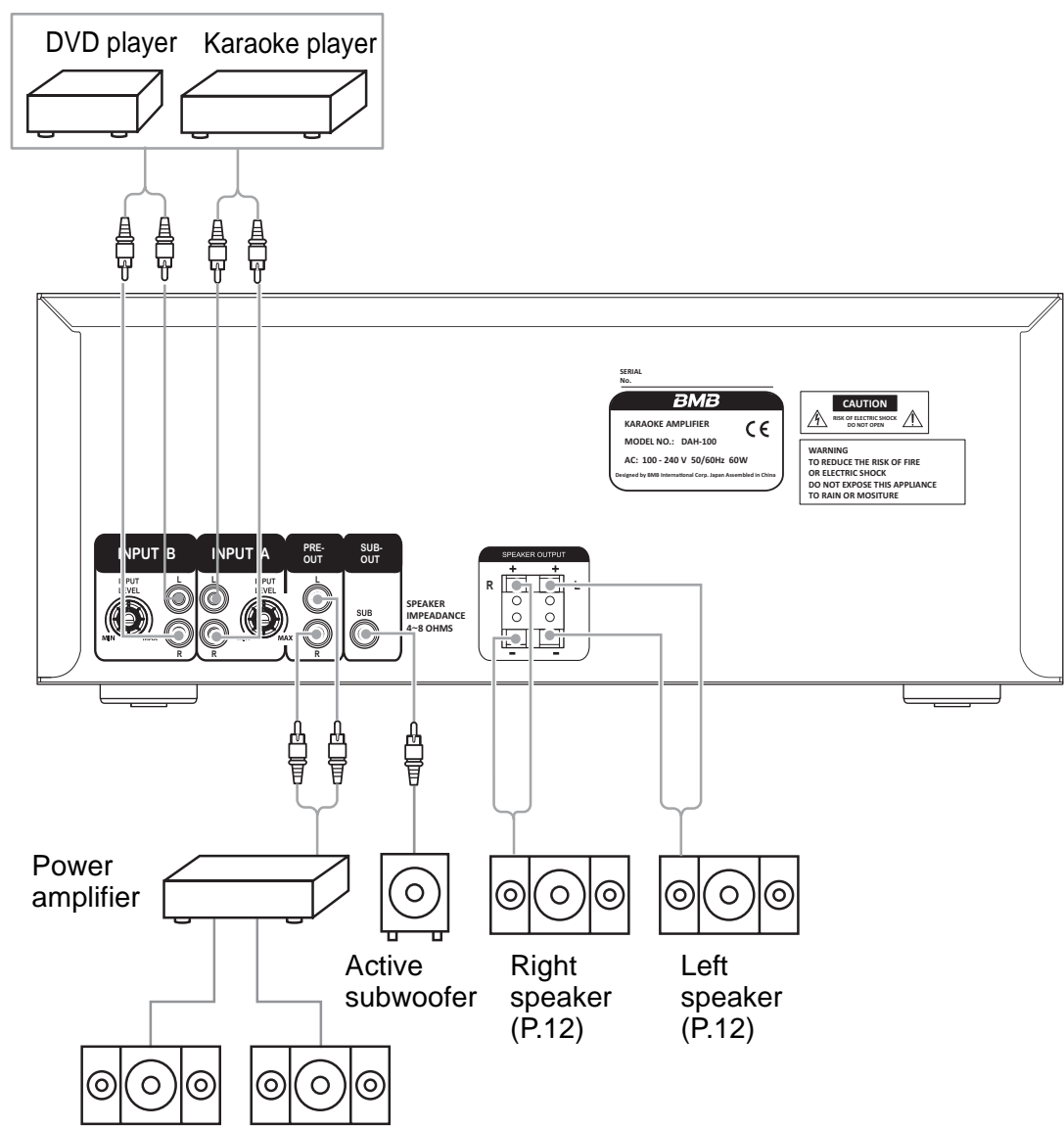
Connect the speakers with it's normal impedance of 4 Ω to 8 Ω . (P.12)

SYSTEM CONNECTIONS

FRONT PANEL



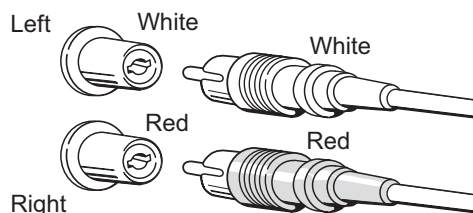
REAR PANEL



CONNECTIONS

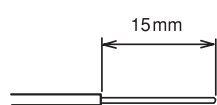
■ How to connect the RCA pin plugs

When connecting the RCA pin plug cables, match the colours. Connect the red cable to the red terminal and the white cable to the white terminal.



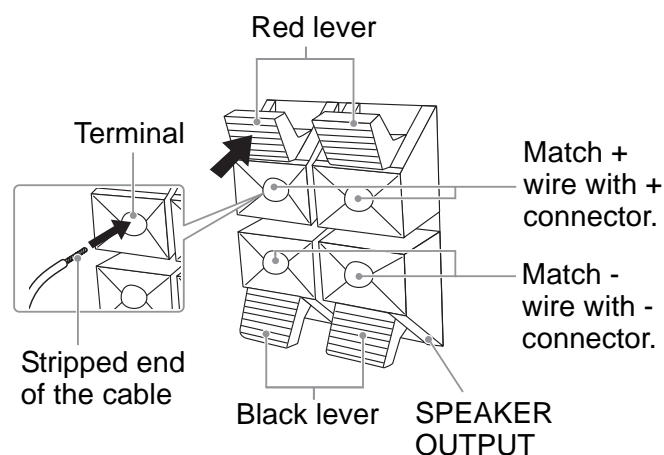
■ How to connect speakers

1 Strip the speaker cable.



Strip about 15 mm of the outer covering from the ends of the cables by using pliers before making connections.

2 Press and hold the red (and black) lever of **SPEAKER OUTPUT** to open the terminal, then insert the stripped end of the cable while holding down the lever.



3 Release the red (and black) lever to close the terminal to fix the cable.

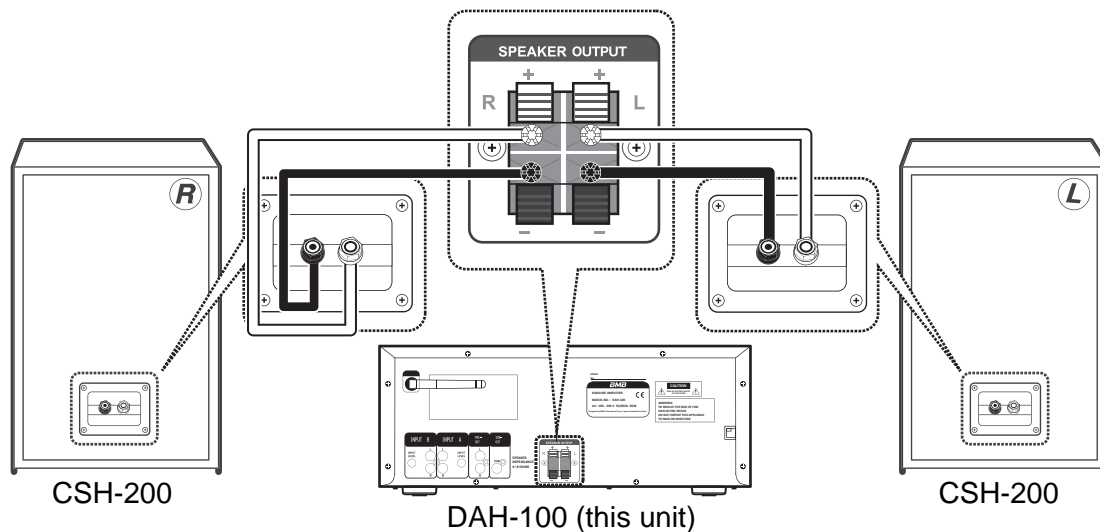
To connect CSH-200/CSH-W200 (not supplied), see P.12.

Notes:

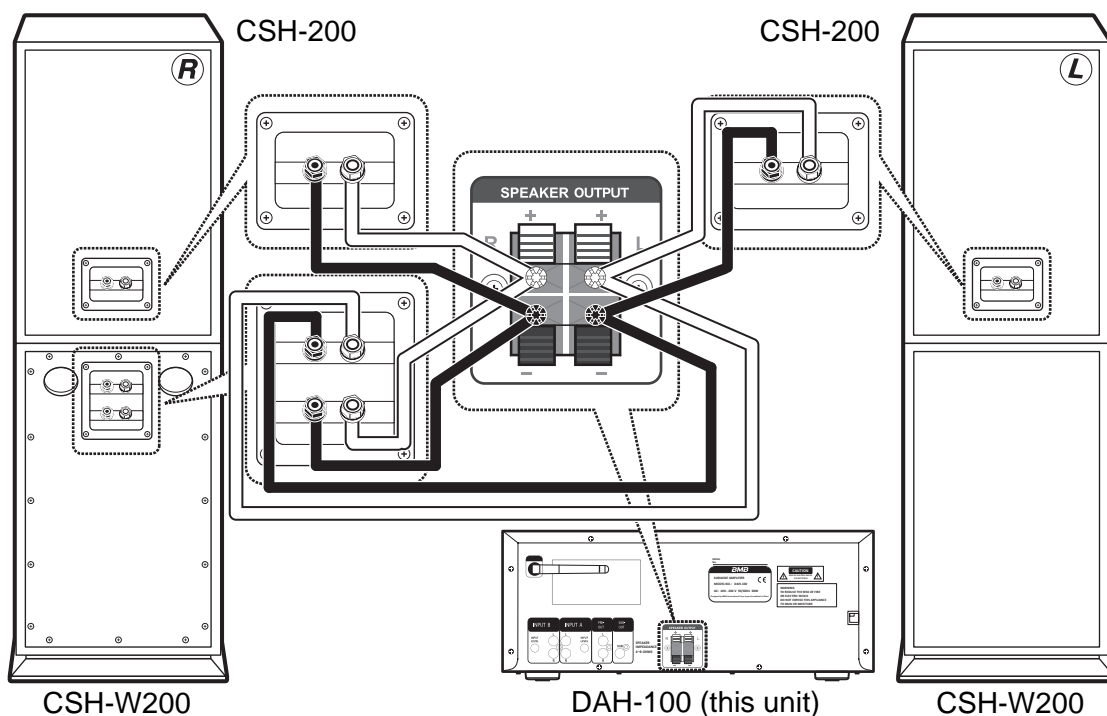
- Make sure that the frayed wire (straggly conductors) do not stick out of the terminals. If the frayed wires come into contact with other conductors, it may lead to failure of the unit.
- Use speakers with a nominal impedance of 4 Ω to 8 Ω .
- If speakers with an impedance lower than 4 Ω are connected, the protective circuit may go into operation, hindering normal stereo playback.

SPEAKER OUTPUT

■ Connecting to CSH-200 (not supplied)



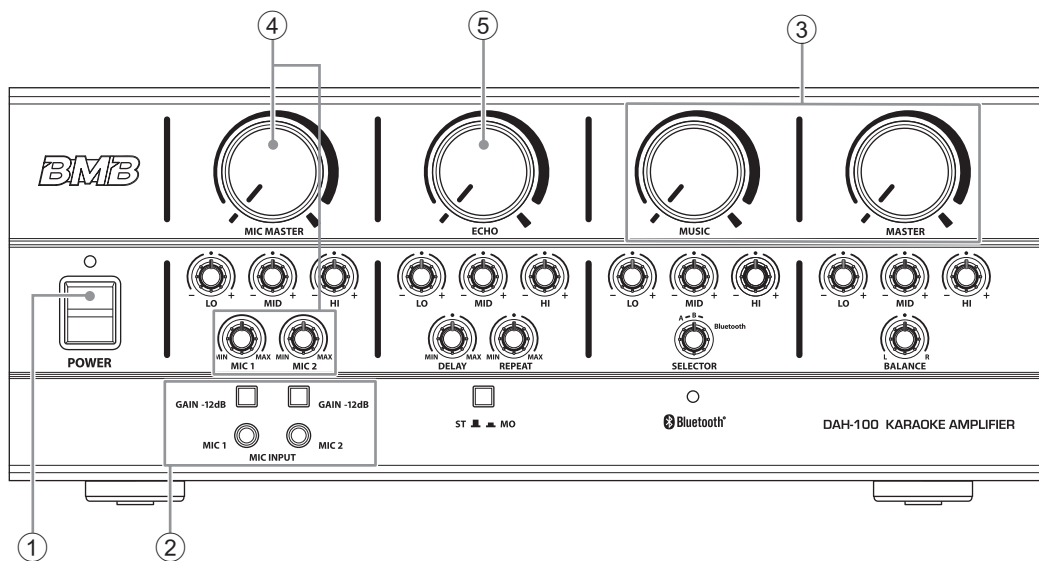
■ Connecting to CSH-200 and CSH-W200 (not supplied)



Notes:

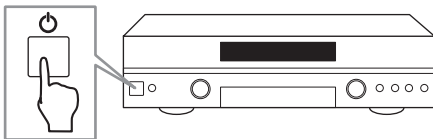
- Turn off the unit before connecting speaker cables.
- Connect the same terminals as shown below.
 - A red terminal (+) of the unit and red terminal (+) of the speaker
 - A black terminal (-) of the unit and black terminal (-) of the speaker
- If you connect the terminals in a wrong way, the sound will become strange and the bass sound becomes very small, causing a malfunction to the speaker and unit.

BASIC OPERATION



■ How to play the unit

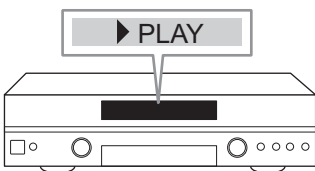
1 Turn on the music source (Karaoke machine, etc.).



2 Turn on the unit. (①)

3 Connect the microphone plug to MIC INPUT while pressing and holding GAIN-12dB. (②)

4 Set the music source to play mode.



5 Turn up MUSIC and MASTER to the required level. (③)

6 To balance the volume of microphones and music, turn MIC MASTER and the mic volume controls. (④)

7 Turn ECHO to adjust echo as necessary. (⑤)

Now that the required settings are finished, you can operate the music source.

■ Notes when using microphones

- Keep the microphone approx. 5 to 10 cm away from your mouth.
- To make the voice sound clear, maintain a proper space between the microphone head and holding position on the grip.
- Do not cover the lower wind screen of the microphone as this may muffle the bass sound and hinder proper vocal reproduction. It may also cause howling.

(1) Keep a distance (approx. 5 to 10 cm).

(2) Keep enough distance between your hand and microphone head.

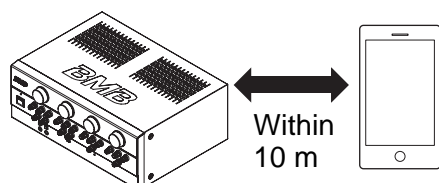


USING *BLUETOOTH* DEVICES

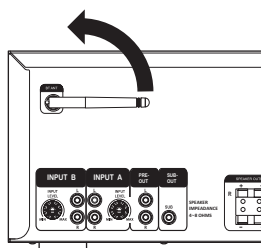
You can enjoy playing music by connecting this unit with a *Bluetooth* device (mobile phones, tablets, etc.).

■ How to install the unit

1 Install as follows:



2 Raise the *Bluetooth* antenna. (P.9)



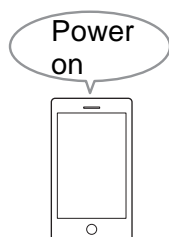
Notes:

- Do not install this unit and *Bluetooth* device on metal plates (steel, etc.).
- Do not cover the unit with cloth.
- Install the *Bluetooth* device within a 10 m line-of-sight-distance from this unit. (Make sure there are no obstacles.)

■ How to pair this unit with the *Bluetooth* device

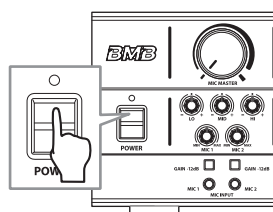
You can connect one device with this unit.

1 Turn on the *Bluetooth* device.

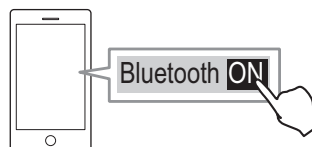


2 Press **POWER** to turn on this unit.

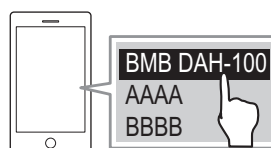
The *Bluetooth* indicator flashes. (Standby for pairing or connecting with a *Bluetooth* device.)



3 Search *Bluetooth* devices by operating the *Bluetooth* device.



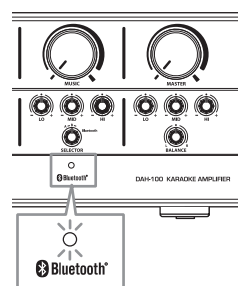
4 Select "BMB DAH-100" from the search results.



The *Bluetooth* indicator of this unit lights and pairing is complete.

Lights: Pairing completed/connected

Flashes: Standby for pairing/connecting



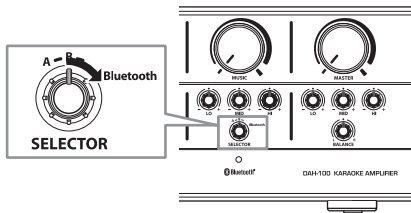
Notes:

- If you turn off the unit while pairing (or connecting), the unit automatically connects to the *Bluetooth* device after the unit is turned on.
- Even if you turn off the unit while pairing, the unit remembers the *Bluetooth* device that the unit connected with last time.
- Make sure the pairing is completed in the *Bluetooth* device.
- If the pairing fails, start over from step 2.
- For further details, see the owner's manual of the *Bluetooth* device.

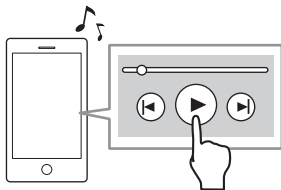
■ How to play music

1 Complete pairing with the *Bluetooth* device.
(P.14)

2 Set **SELECTOR** to *Bluetooth*.



3 Start playing by operating the *Bluetooth* device.



4 Rotate **MUSIC** and **MASTER** to adjust the volume.

■ How to disconnect *Bluetooth* connection
Set *Bluetooth* to off on the *Bluetooth* device.

TROUBLESHOOTING

Trouble	Possible cause	Remedy
No power is supplied to the unit.	<ul style="list-style-type: none"> The power plug is disconnected from the power outlet. 	<ul style="list-style-type: none"> Firmly connect the power plug to the power outlet.
No sound even though the unit is turned on.	<ul style="list-style-type: none"> MUSIC volume control or mic volume controls may be set to minimum. 	<ul style="list-style-type: none"> Adjust for the proper volume level.
	<ul style="list-style-type: none"> The speaker cables are disconnected. 	<ul style="list-style-type: none"> Connect the speaker cables properly.
	<ul style="list-style-type: none"> The speaker cables are damaged. 	<ul style="list-style-type: none"> Replace the cables.
	<ul style="list-style-type: none"> The speaker cables are short - circuited. 	<ul style="list-style-type: none"> Replace the cables.
	<ul style="list-style-type: none"> Music source is disconnected from the unit. 	<ul style="list-style-type: none"> Connect the external device to the unit properly.
No sound from the microphone even though music is played.	<ul style="list-style-type: none"> The microphone switch is turned off. 	<ul style="list-style-type: none"> Turn it on.
	<ul style="list-style-type: none"> The microphone cable is damaged. 	<ul style="list-style-type: none"> Repair or replace with another one.
	<ul style="list-style-type: none"> The microphone jack is disconnected. 	<ul style="list-style-type: none"> Connect it properly.
No audio is played even though a signal is input from the music source.	<ul style="list-style-type: none"> Different input source is selected. 	<ul style="list-style-type: none"> Turn the input source selecting knob to the correct source.
Cannot pair with or connect to the <i>Bluetooth</i> device via <i>Bluetooth</i> .	<ul style="list-style-type: none"> Other device is already paired with or connected to this unit already. 	<ul style="list-style-type: none"> Turn off <i>Bluetooth</i> of the <i>Bluetooth</i> device.
	<ul style="list-style-type: none"> The distance between the <i>Bluetooth</i> device and this unit is too long. 	<ul style="list-style-type: none"> Install this unit within 10 m from the <i>Bluetooth</i> device. (P.14)
	<ul style="list-style-type: none"> The <i>Bluetooth</i> device does not support A2DP. 	<ul style="list-style-type: none"> Pair with the device which supports A2DP.
	<ul style="list-style-type: none"> There are other devices (microwave, wireless LAN devices, etc.) that generates 2.4 GH frequency band of radio waves nearby. 	<ul style="list-style-type: none"> Keep this unit away from these devices.
No sound or sound is breaking up when using <i>Bluetooth</i> .	<ul style="list-style-type: none"> SELECTOR is not set to <i>Bluetooth</i>. 	<ul style="list-style-type: none"> Set the SELECTOR to <i>Bluetooth</i>. (P.8, 15)
	<ul style="list-style-type: none"> <i>Bluetooth</i> is disconnected from the <i>Bluetooth</i> device. 	<ul style="list-style-type: none"> Connect (or pair with) the <i>Bluetooth</i> device to the unit via <i>Bluetooth</i>. (P.14)
	<ul style="list-style-type: none"> There are other devices (microwave, wireless LAN devices, etc.) that generates 2.4 GH band of radio waves nearby. 	<ul style="list-style-type: none"> Keep this unit away from these devices.
	<ul style="list-style-type: none"> <i>Bluetooth</i> of the <i>Bluetooth</i> device is disabled. 	<ul style="list-style-type: none"> Check if the <i>Bluetooth</i> setting of the <i>Bluetooth</i> device is correct.
	<ul style="list-style-type: none"> This unit is not set to the connecting device in the <i>Bluetooth</i> device. 	<ul style="list-style-type: none"> Select "BMB DAH-100" from the search results of the <i>Bluetooth</i> device. (P.14)
	<ul style="list-style-type: none"> The volume of the <i>Bluetooth</i> device is too low. 	<ul style="list-style-type: none"> Turn up the volume of the <i>Bluetooth</i> device.

AFTER-SALE SERVICING

- (1) If this unit is found to be defective, your local dealer will repair or replace the defective parts for a charge at your request.
- (2) Before you request the repair to your local dealer, see the "TROUBLESHOOTING" section and check it again.

For dealers:

If you are requested the after-sale service from your customer, check the following contents first.

- Confirm the details of the accident.
- Check all cables and connections.
- Clean the lens or disc of the connected equipment.
- Cautions of operation and instructions for using the system to your customer.

MANNERS FOR CUSTOMERS

- Karaoke, though enjoyable, could be noisy at times unless a proper time or place are chosen. Please be sufficiently thoughtful of your neighbours.



- Karaoke volume could be high if you are concentrating on your singing. Even a small sound can be distracting especially during a quiet night. Therefore, please give special attention to audio levels especially at night. To make sure no sound leaks to your neighbours, it is advisable to close your windows and observe proper manners to maintain a pleasant living environment.

COPYRIGHT

- Broadcasting, music sources such as recorded music tapes, DVDs, video tapes, CDs and so on are strictly protected under copyright law.
- You need to have permission from the copyright holder to use, distribute, rent these music sources for commercial use or sell dubbed media to other people except when enjoying these sources by yourself.

ABOUT THE PRODUCT

- This unit is produced by harmless materials in conformity with relevant product safety laws.

SPECIFICATIONS

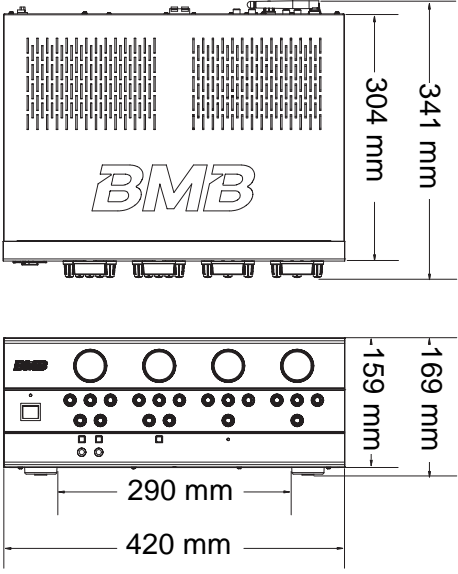
■ General

Model name	DAH-100
Audio output power	100 W+100 W (4 Ω to 8 Ω)
Total harmonic distortion (1 kHz, -3 dB, 8 Ω)	1%
Audio input (sensitivity/impedance)	MIC 1/MIC 2: 6 mV/600 kΩ INPUT A/INPUT B: 300 mV/22 kΩ
Audio output (level/impedance)	SUB-OUT: 7.0 V/1 kΩ PRE-OUT: 5.0 V/1 kΩ
Frequency response	MIC 1/MIC 2: 50 Hz to 20 kHz ±3 dB MUSIC: 20 Hz to 20 kHz ±3 dB
Tone control response	MASTER/MUSIC LO: ± 8 dB(100 Hz) MID: ± 3 dB(2 kHz) HI: ± 8 dB(10 kHz)
	MIC/ECHO LO: ±13 dB(100 Hz) MID: ±6 dB(1 kHz) HI: ±13 dB(10 kHz)
Speaker impedance	4 Ω to 8 Ω

■ Bluetooth

Version	Ver.4.0
RF output power	Class 2
Maximum communication range	10 m without obstructions
Supported profile	A2DP
Supported codec	SBC, AAC

■ Power Supply/Others

Power supply	AC 100 V to 240 V 50/60 Hz
Power consumption	60 W
Dimensions (W×H×D)	420(W)×169(H)×341(D) mm
	
Weight	4.9 kg
Accessories	Owner's manual (1), Registration Card (1)

**English**

For the Instruction in other languages, please go to the official website www.bmb.com to download.

Chinese

其他语种说明书请至官方网站 www.bmb.com. 进行下载。

Indonesian

tentang buku panduan dalam bahasa-bahasa lain, silakan download di situs resmi www.bmb.com.

Vietnamese

xin đến website www.bmb.com để tải về Bản hướng dẫn bằng ngôn ngữ khác.