

OWNER'S MANUAL

THANK YOU VERY MUCH FOR PURCHASING THIS **BMB** SPEAKERS SYSTEM. BEFORE USE, PLEASE READ FOLLOWING INSTRUCTIONS THROUGH CAREFULLY AND FAMILIARIZE YOURSELF WITH THE OPERATION OF THE SYSTEM.

MATTERS OF SAFETY FIRST

Based on safety, before correct use of this product, please carefully read through this user manual again. After reading through it, please properly keep it for future reference.

<MATTERS OF SAFETY FIRST> is to prevent harm to you or others, property loss, to a variety of pattern identification. The identification and significance of pattern, please fully understand before you continue reading.



WARNING

If ignore this logo, misuse, may cause serious injury or even death.



CAUTION

If ignore this logo, misuse, may cause damage of the goods or injuries.

PATTERN REPRESENTATION OF CASES



△ Mark is told to pay attention to the content (with a warning). Pattern of the intermediate drawing attention to concrete content (this description refers to the attention of electric shock).



⊘ Mark is to inform the prohibited acts. Pattern of intermediate describe specific content prohibited. (left picture means no decomposition).



● Mark is inform compulsive behavior, content. Pattern of the intermediate drawing indicates the specific content (this description refers to the power plug from the socket)

Warning

■ FAULT STATE DO NOT CONTINUE TO USE



● In case, continue to use the emergence of smoke, odor, noise and other abnormal condition, will cause fire, electric shock, amplifier fault. Immediately turn off the amplifier, must pull out the power plug from the socket. Confirmation until stopped smoking, to rely on sales shop.

■ DO NOT TRANSFORMATION



● Don't alter or decomposition of the products. May result in fire, electric shock.

■ DON NOT PUT IN THE POSITION OF WATER



● This product can not be water, do not get wet. Water, wet may result in fire, electric shock. In the rainy day, snow day, coast, water use should be paid special attention to it.

■ CANNOT BE WATER CONTAINERS ARE PLACED



● Don't use a vase, potted plant, glass, cosmetics, pharmaceuticals, container with water and small metal items in the product. The water spill, into the inside of the machine will cause fire, electric shock.



● In case of the machine, water, immediately turn off the amplifier, unplug the power plug from the socket, and then contact the sales shop. Continue to use, will cause fire, electric shock.

■ DON NOT BE FOREIGN BODY INTO THE INTERIOR



● In case, foreign body into the machine, turn off the amplifier power, unplug the power plug from the socket, and then contact the sales shop. Continue to use, will cause fire, electric shock.

Caution

■ INSTALLING



● Can not be placed in the shaking of the table upper unstable place. Dropping down, falling down can lead to injuries.



● Move the product, do not hand grasping the iron net, the speaker unit. May cause injury.



● Moving the product, turn off the amplifier, unplug the power plug from the socket, remove the speaker cable and mobile. Or will lead to cable damage, cause fire, electric shock.



● The product is placed on TV, audio equipment, do not move the product. Articles collapse cause injury.



● This product can not be placed over 10kg weight and ratio of large size items. The imbalance will make the goods fall, fall and hurt.

■ CAN NOT SET IN THE FOLLOWING AREAS



● Can not be placed in the food processing machine, humidifier, steam soot place. May result in fire, electric shock.



● Can not be placed in damp, dusty places. May result in fire, electric shock.

ON CONNECTION



- The machine and other audio equipment, television sets and other machine connection, please read carefully the instructions of each machine. Switch off the power supply, follow the instructions.

NOTE AT WHEN USING



- Switch on the power set the volume to a minimum. All of a sudden loud noise can cause hearing impairment.



- Don't use long time voice distortion under the state. The speaker fever will cause fire



- Please don't sit on or suspended in the loudspeaker. Special attention should be paid to the child. Collapse, damage can result in injury.



- Cash card, disk with magnetic products do not close. The speaker magnetic will affect the products, the use of data Disappear.

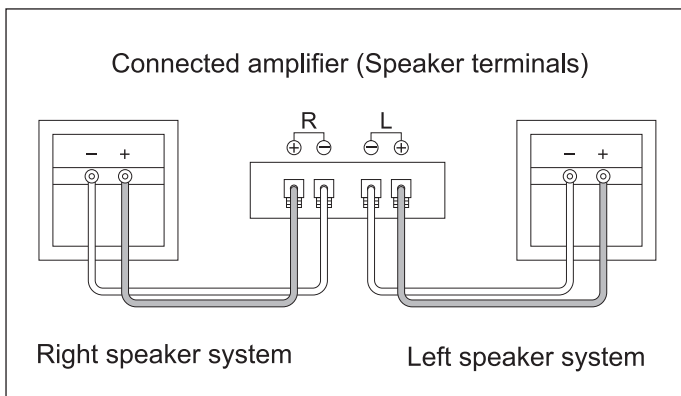
BEFORE USING

Operating Precautions

- The maximum input power of these speakers is 800 W (at peak). Higher levels of input power may cause damage to the speaker system and so take every precaution to keep the power down to the specification.
- Even if an amplifier with a maximum output power of less than 800 W is employed, do not use the speakers with the volume turned up too high or the sound distorted. This may damage the speakers.
- Make sure that the amplifier's power switch is at the OFF position when connecting the speakers to the amplifier.
- Make sure that the amplifier's volume control is turned down to its lowest setting when the amplifier's power switch is set to the ON position.

CONNECTION

- Make sure that you set the power switch on the amplifier to the OFF position when connecting the speakers to the amplifier.
- Align the (-) and (+) polarities of the speakers with the (-) and (+) polarities of the left (L) and right (R) channels of amplifier, and connect the speakers to the speaker terminals on the amplifier.



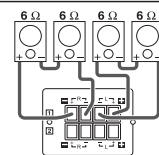
- * If the polarities of the left and right speakers are not aligned properly, the quality of the reproduced sound, the ambience and the feeling of direction will all be markedly impaired.
- * When making the connections, take every precaution to prevent the speaker cords' central cores from being shorted.

Making Allowable Connections between Speakers and Your Amplifier (Ex. 4 Speakers)

- CONFIGURE AND WIRE THE SPEAKERS SO THAT THE COMBINED IMPEDANCE FALLS WITHIN 6 TO 32 Ω .
Note: The specification allows the combined impedance ranging 4 to 32 Ω , however, 4 Ω configuration is not recommended; avoid it whenever possible.

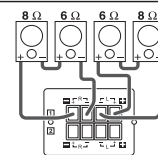
Allowable Examples

Allowable Example 1



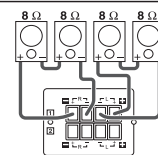
(Speaker terminals)
OK: Combined impedance is 12 Ω

Allowable Example 2



(Speaker terminals)
OK: Combined impedance is 14 Ω

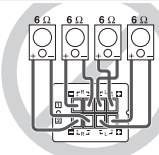
Allowable Example 3



(Speaker terminals)
OK: Combined impedance is 16 Ω

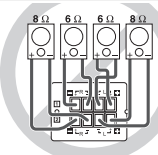
Not-allowable Examples

Not-allowable Example 1



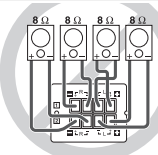
(Speaker terminals)
NG: Combined impedance is 3 Ω

Not-allowable Example 2



(Speaker terminals)
NG: Combined impedance is 3.4 Ω

Not-allowable Example 3

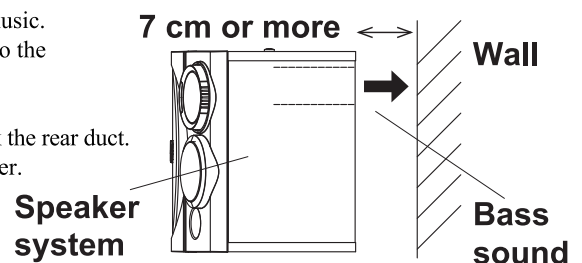


(Speaker terminals)
NG: Combined impedance is 4 Ω

INSTALLING THE SPEAKERS

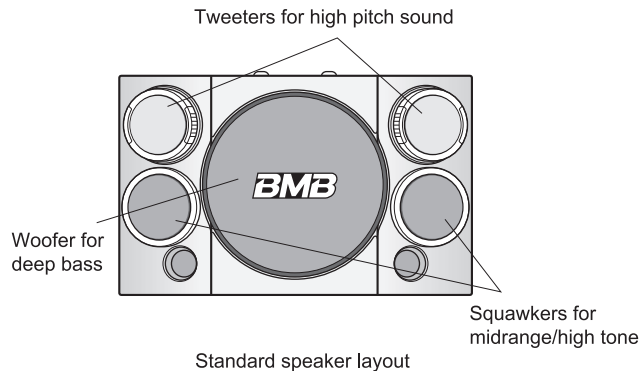
- Avoid installing the speakers in a location exposed to direct sunlight and high levels of humidity. Avoid also locations in the vicinity of stoves and other sources of heat.
- With a speaker system, the sound which is heard varies greatly according to the installation location. Bear in mind the following points in order to derive the most enjoyment from music.
 - a) Install the speaker at the upper position than your ears level when you listen to the sound under normal listening conditions.
 - b) The best distance between the speakers is approx. 2 to 5 m.
 - c) The speaker must be set at least 7 cm away from a wall so that it does not block the rear duct.
- If you plan to hang your speakers from the ceiling, contact a professional installer.

Caution: If you want to suspend the CSE-312 from the ceiling, use adequate mounting hardware that can bear the load. In addition, be sure to secure the mounting hardware onto a place of high-tensile strength using screws appropriate to the ceiling materials.



ABOUT MULTIDIRECTIONAL METHOD SPEAKERS

The CSE-312 features a multi-speaker configuration based on the multidirectional method that is capable of delivering a dynamic sound widely even in a spacious room. It comprises 3 speakers: a woofer located in the center of the cabinet responsible for deep bass, a pair of squawkers reproducing mid/high frequencies, and a pair of tweeters for high tones. The CSE-308 comes with a mechanism to easily adjust the angle of the tweeter and squawker units and create the optimum sound field in accordance with the room where it is installed. At shipping, they are set in a standard position that caters most rooms. However, depending on your room conditions, you may need to rotate the tweeter and squawker units by 90 degrees to improve the sound field. By factory default, the tweeter is situated in vertically long, and the squawker is situated in horizontally long.



■ ROTATING THE TWEETERS

Rotate each tweeter while pressing its raised portion by hand. The tweeter situated to the observer's right of the speaker system can be rotated 90 degrees clockwise when it is vertically long and 90 degrees counterclockwise when it is horizontally long. The tweeter situated to the left can be rotated 90 degrees counterclockwise when it is vertically long and 90 degrees clockwise when it is horizontally long.

Caution:

Avoid stopping and using the tweeters in unlocked positions, or trying to rotate them in reverse.

■ ROTATING THE SQUAWKERS

1. Pull the top of the right and left speaker grills forward to remove them. (Each speaker grill has a set of safety catches in the positions indicated by the circles as shown in the figure. You can easily release the lock to remove the grill by pulling hard the duct hole with a hand.)

2. Use a Phillips-head screwdriver to remove the four screws that hold the squawker to the cabinet.

Caution:

Do not unscrew any screws other than those specified for rotating the squawkers. In addition, make sure never to remove the tweeters located above the squawker; the tweeters are identical in appearance to the squawker units.

3. Rotate the squawker with its black platform 90 degrees, then secure it with the four screws. The squawker situated to the observer's right of the speaker system can be rotated 90 degrees counterclockwise when it is horizontally long and 90 degrees clockwise when it is vertically long. The squawker situated to the left can be rotated 90 degrees clockwise when it is horizontally long and 90 degrees counterclockwise when it is vertically long.

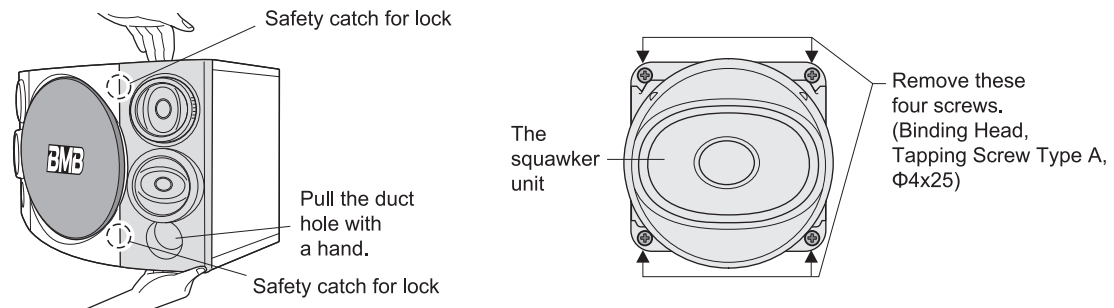
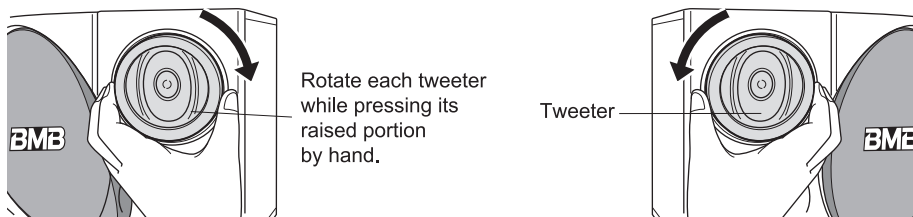
Caution:

Once you removed the screws, avoid pulling out, dropping, rotating more than 90 degrees the squawker unit or rotating it in reverse, or the cable may be disconnected from the unit. Be careful not to have the speaker cables caught by the squawker when detaching and attaching it.

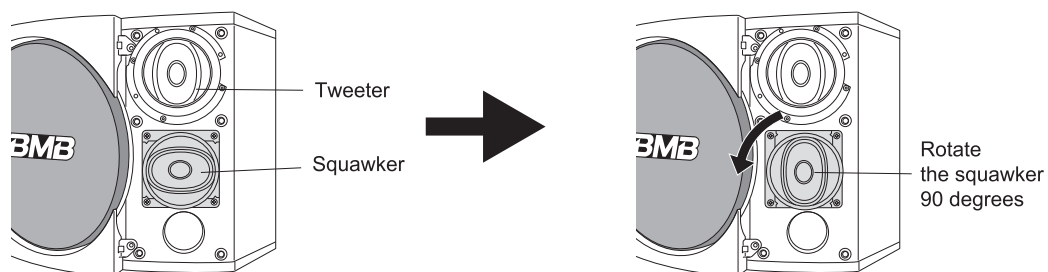
4. Push the grills in place.

Caution:

Firmly push in with a finger the rubber catches and mechanical hook locks in a manner that they do not damage the cabinet.



Factory set status



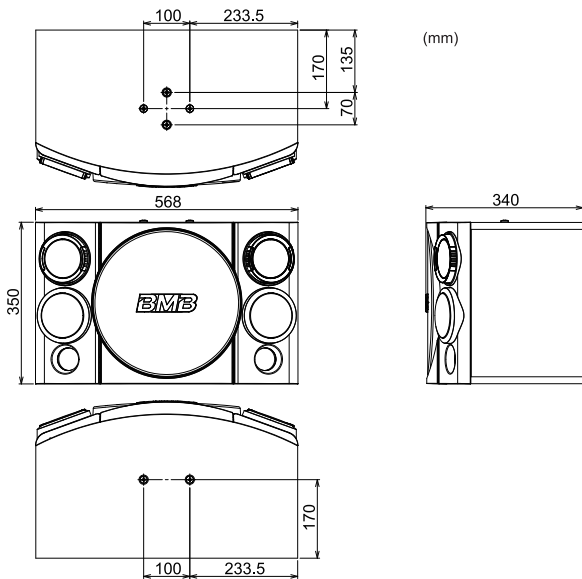
Secure the screws firmly.

MAINTENANCE OF CABINET

- When the cabinets are dirty, clean off the dirt with a soft cloth. If the dirt is engrained, moisten a soft cloth in cold or lukewarm water, wring it out, and then wipe off the dirt. Never use thinners or alcohol since these substances can impair the finish of the cabinet. Also, avoid using insecticide and other sprays near the speakers.

SPECIFICATION

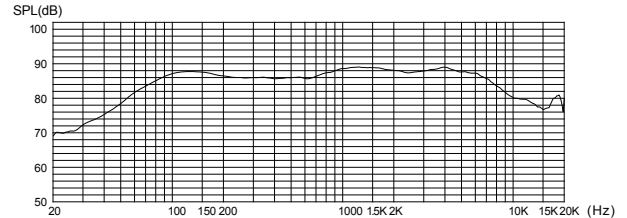
Type:	3 Ways 5 Speakers
Speaker device:	30 cm woofer x1 9x6 cm squawker x 2 9x6 cm tweeter x 2
Maximum input power:	800 W
Rated input power:	300 W
Sound pressure level:	88 dB/W/m
Frequency response:	40- 20 kHz
Impedance:	8 Ω
Size:	568 (width) x350 (height) x340 (length) mm
Weight:	16.2 kg
Attachment:	OWNER'S MANUAL x 1



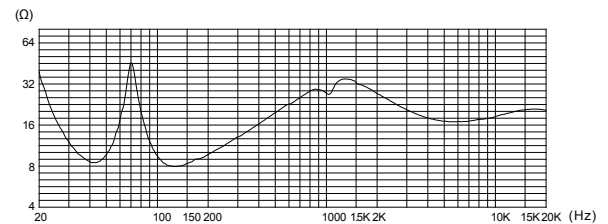
STANDARD FEATURES

Frequency response characteristics

■ Straight ahead from the tweeter



■ Impedance



- Due to product improvement, all above specifications and appearances are subject to change without notice.