

PRECAUTIONS

PLEASE READ CAREFULLY BEFORE PROCEEDING

* Please keep this manual in a safe place for future reference.



WARNING

Always follow the basic precautions listed below to avoid the possibility of serious injury or even death from electrical shock, short-circuiting, damages, fire or other hazards. These precautions include, but are not limited to, the following:

Power supply/Power cord

- Only use the voltage specified as correct for the device. The required voltage is printed on the name plate of the device.
- Use only the specified/included AC power adaptor/power supply/power cord or an equivalent recommended by Yamaha.
- Do not place the power cord near heat sources such as heaters or radiators, and do not excessively bend or otherwise damage the cord, place heavy objects on it, or place it in a position where anyone could walk on, trip over, or roll anything over it.

Do not open

- Do not open the device or attempt to disassemble the internal parts or modify them in any way. The device contains no user-serviceable parts. If it should appear to be malfunctioning, discontinue use immediately and have it inspected by qualified Yamaha service personnel.

Water warning

- Do not expose the device to rain, use it near water or in damp or wet conditions, or place containers on it containing liquids which might spill into any openings.
- Never insert or remove an electric plug with wet hands.

If you notice any abnormality

- If the power cord or plug becomes frayed or damaged, or if there is a sudden loss of sound during use of the device, or if any unusual smells or smoke should appear to be caused by it, immediately turn off the power switch, disconnect the electric plug from the outlet, and have the device inspected by qualified Yamaha service personnel.
- If this device or the AC power adaptor/power supply should be dropped or damaged, immediately turn off the power switch, disconnect the electric plug from the outlet, and have the device inspected by qualified Yamaha service personnel.



CAUTION

Always follow the basic precautions listed below to avoid the possibility of physical injury to you or others, or damage to the device or other property. These precautions include, but are not limited to, the following:

Power supply/Power cord

- Remove the electric plug from the outlet when the device is not to be used for extended periods of time, or during electrical storms.
- When removing the electric plug from the device or an outlet, always hold the plug itself and not the cord. Pulling by the cord can damage it.
- To avoid generating unwanted noise, make sure there is adequate distance between the AC power adaptor and the device.
- Do not cover or wrap the AC power adaptor with a cloth or blanket.

Location

- (For speaker model that can use a stand) If you use a stand, make sure to observe the following precautions in order to avoid toppling the device or causing damage to the internal components.
 - Check the stand's specifications and make sure that it is sturdy enough to support the weight of the speaker.
 - Mount only one speaker on each speaker stand.
 - Use the supplied screws if included.
 - Tighten fastening screws securely.
 - Use the speaker stands with their legs fully opened.
 - Use the stand at a lower height than specified.

- Add weight such as sand bags to the stand legs to prevent them from falling over.
- Remove the speakers from the stands before moving the stands or adjusting their height.
- Limit the number of people around the placed stand.
- (For speaker model that can be mounted on subwoofer) If you use the metal socket on the subwoofer for mounting of a satellite speaker, use a pole no longer than specified with an outer diameter of 35mm (1-3/8"). Use of any other size pole may cause the device to fall, and result in injury or damage to the internal components
- Always consult qualified Yamaha service personnel if the device installation requires construction work, and make sure to observe the following precautions.
 - Choose mounting hardware and an installation location that can support the weight of the device.
 - Avoid locations that are exposed to constant vibration.
 - Inspect the device periodically.
- (If the device is 20kg or more in weight) When transporting or moving the device, always use two or more people. Attempting to lift the device by yourself may damage your back, result in other injury, or cause damage to the device itself.

- Before moving the device, remove all connected cables.
- If this device is to be mounted in an EIA-standard rack, leave the back of the rack open and make sure that it is at least 10 cm away from walls or surfaces. Also, if this device is to be mounted with devices that tend to generate heat, such as power amplifiers, be sure to keep an adequate gap between this device and the heat-generating devices or install ventilation panels to prevent high temperatures from developing inside this device. Inadequate ventilation can result in overheating, possibly causing damage to the device(s), or even fire.
- If several of the devices are mounted in an EIA-compliant rack, carefully read the corresponding pages.
- Do not use the device in a confined, poorly-ventilated location. *If this device is to be used in a small space other than an EIA-standard rack*, make sure that there is adequate space between the device and surrounding walls or other devices. Inadequate ventilation can result in overheating, possibly causing damage to the device(s), or even fire.
- Do not use the speaker's handles for suspended installation. Doing so can result in damage or injury.
- Avoid setting all equalizer controls and faders to their maximum. Depending on the condition of the connected devices, doing so may cause feedback and may damage the speakers.
- Do not expose the device to excessive dust or vibrations, or extreme cold or heat (such as in direct sunlight, near a heater, or in a car during the day) to prevent the possibility of panel discoloration or damage to the internal components.
- Do not place the device in an unstable position where it might accidentally fall over.
- Do not block the vents. This device has ventilation holes to prevent the internal temperature from becoming too high. In particular, do not place the device on its side or upside down. Inadequate ventilation can result in overheating, possibly causing damage to the device(s), or even fire.
- Do not use the device in the vicinity of a TV, radio, stereo equipment, mobile phone, or other electric devices. Doing so may result in noise, both in the device itself and in the TV or radio next to it.

Connections

- Before connecting the device to other devices, turn off the power for all devices. Before turning the power on or off for all devices, set all volume levels to minimum.
- Use only speaker cables for connecting speakers to the speaker jacks. Use of other types of cables may result in fire.
- Be sure to connect to a properly grounded power source. A ground screw is provided on the rear panel of this device for maximum safety and shock prevention. *If the mains outlet is not grounded*, be sure to connect the ground screw to a confirmed ground point before plugging the device into the mains. Improper grounding can result in electrical shock.

Maintenance

- Inspect the cooling fan air filter and clean it periodically. Dust and dirt can seriously degrade the effectiveness of the cooling fan and result in malfunction or fire.
- Remove the power plug from the AC outlet when cleaning the device.

Handling caution

- When turning on the AC power in your audio system, always turn on *the power amplifier/the device* LAST, to avoid speaker damage. When turning the power off, *the power amplifier/the device* should be turned off FIRST for the same reason.
- Do not insert your fingers or hands in any gaps or openings on the device (*vents, disc slots, ports, etc.*).
- Avoid inserting or dropping foreign objects (paper, plastic, metal, etc.) into any gaps or openings on the device (*vents, disc slots, ports, etc.*) If this happens, turn off the power immediately and unplug the power cord from the AC outlet. Then have the device inspected by qualified Yamaha service personnel.
- Do not use the device *or headphones* for a long period of time at a high or uncomfortable volume level, since this can cause permanent hearing loss. If you experience any hearing loss or ringing in the ears, consult a physician.
- (*For speaker model*) Do not operate the device if the sound is distorting. Prolonged use in this condition could cause overheating and result in fire.
- Do not rest your weight on the device or place heavy objects on it, and avoid use excessive force on the buttons, switches or connectors.
- (*For power amplifier*) Do not use this device for any purpose other than driving loudspeakers.

Backup battery (Battery built-in model only)

- If the instrument has a built-in lithium backup battery, internal data (data type depends on the instrument) is retained even if you unplug the power cord from the AC outlet. However, if the backup battery fully discharges, the data will be lost. When the backup battery is running low, the instrument displays an alert message indicating that battery voltage is low. In this case, immediately save the data to *a floppy disk/a Memory Card (SmartMedia)/a USB storage device/external device such as a computer*, then have qualified Yamaha service personnel replace the backup battery.

Battery (Battery model only)

- Always make sure all batteries are inserted in conformity with the +/- polarity markings. Failure to do so might result in overheating, fire, or battery fluid leakage.
- Always replace all batteries at the same time. Do not use new batteries together with old ones. Also, do not mix battery types, such as alkaline batteries with manganese batteries, or batteries from different makers, or different types of batteries from the same maker, since this can cause overheating, fire, or battery fluid leakage.
- When the batteries run out, or if the device is not to be used for a long time *—or if you only use the AC power adaptor—*remove the batteries from the device to prevent possible leakage of the battery fluid.
- Keep batteries away from children.
- Do not attempt to recharge batteries that are not intended to be charged.
- Do not dispose of batteries in fire.
- If the batteries do leak, avoid contact with the leaked fluid. If the battery fluid should come in contact with your eyes, mouth, or skin, wash immediately with water and consult a doctor. Battery fluid is corrosive and may possibly cause loss of sight or chemical burns.

(For magnetically shielded speaker) Even though this speaker system is magnetically shielded, you may need to move the speaker further away from the video monitor, if a nearby video monitor exhibits any distortion or unnatural color shift.

(For speaker model) **Interference From Cell Phones**

Using a cell phone near the speaker system can induce noise. If this occurs, move the cell phone further away from the speaker system.

Yamaha cannot be held responsible for damage caused by improper use or modifications to the device, or data that is lost or destroyed.

Always turn the power off when the device is not in use.

Even when the power switch is in the "STANDBY" position, electricity is still flowing to the device at the minimum level. When you are not using the device for a long time, make sure you unplug the power cord from the wall AC outlet.

The performance of components with moving contacts, such as switches, volume controls, and connectors, deteriorates over time. Consult qualified Yamaha service personnel about replacing defective components.

(For battery model) Make sure to discard used batteries according to local regulations.