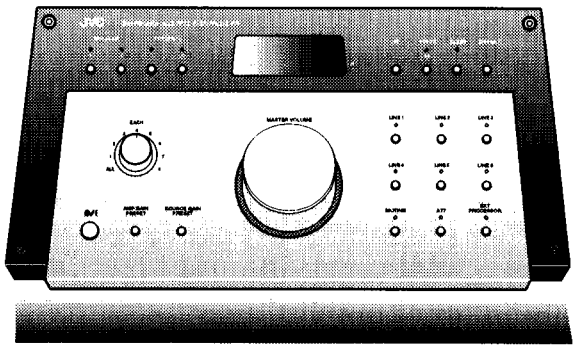
JVC

SYSTEM CONTROLLER

RM-RE9000



INSTRUCTIONS

For Customer Use:

Enter below the Model No. and Serial No. which are located either on the rear, bottom or side of the cabinet. Retain this information for future reference.

Model No. _____

Serial No. _____

LVT0653-001A
[E]

Warnings, Cautions and Others

Handle batteries properly.

To avoid battery leakage or explosion:

- Remove batteries when the Remote Control will not be used for a long time.
- When you need to replace the batteries, replace all batteries at the same time with new ones.
- Don't use an old battery with a new one.
- Don't use different types of batteries together.

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Features

High precision wireless control of the AX-M9000 amplifier (sold separately) (Wired system control also possible)

In conjunction with the monaural integrated amplifier, this unit can be used for highly responsive multi channel and multi amplifier media playback. The RM-RE9000 system controller is designed for use with multiple amplifier configurations. From high-precision gain control onward, all of the amplifier controls can be performed using this unit.

Capable of controlling up to 8 channels at the same time, or the mode can be changed to control each channel individually

Consolidating the control of amplifiers for up to 8 channels, singular control is also possible. Additionally, it is possible to adjust the preset gain settings etc., and other diverse settings for each amplifier.

Realization of the appearance and control of the front panel of a high end control amplifier

JVC has pursued the feel of the control and the capabilities of a high quality preamplifier in our design of this unit.

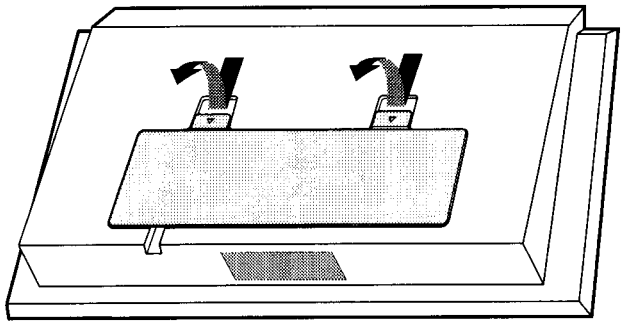
Setting up the Remote Control

Both "wireless" and "wired" control are possible with this unit.
The following explanation is for wireless control.

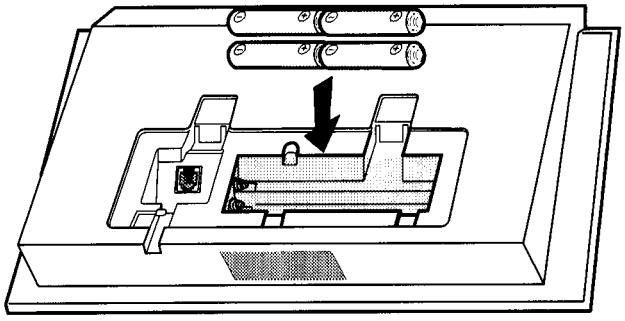
- When using this unit for wireless control, it is necessary to put batteries in the remote control.
- When setting up for wired control, do not insert batteries in the unit because the power is supplied from the AX-M9000.

Putting batteries in the remote control

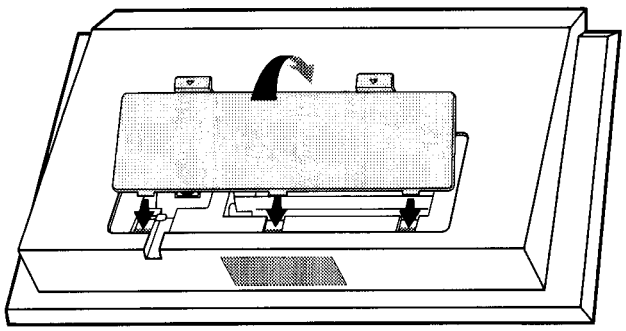
- Use only alkaline batteries.
- Do not mix different types of batteries or mix partially used batteries with new batteries.
- When not using the remote control for long periods of time, remove the batteries to avoid leakage.
- When the range of the remote control starts to drop, replace all batteries.
- The life of the batteries is about one month.



1 **On the back of the remote control, push the two levers in the direction of the arrows and pull out to remove the rear compartment cover.**



2 **Insert the batteries making sure to observe the proper polarity: (+) to (+) and (–) to (–).**
(Make sure that the batteries are inserted all the way.)



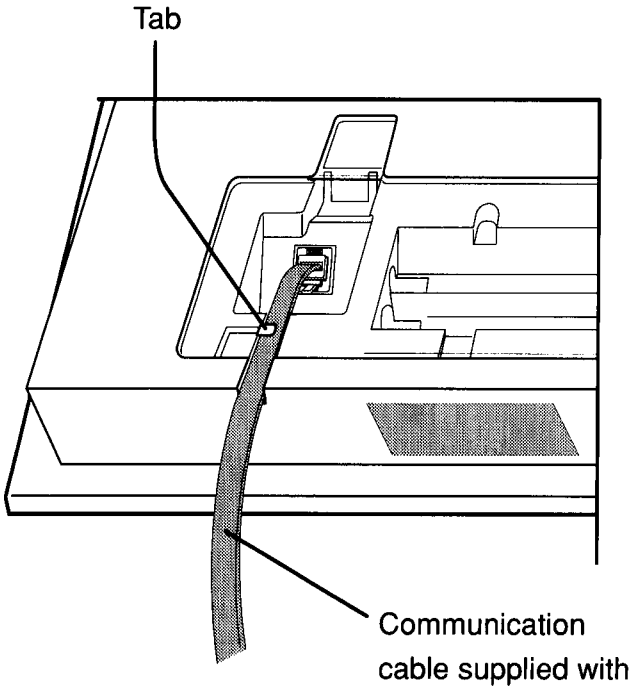
3 **Insert the three tabs of the cover into the slots on the rear panel first and then close the cover.**
(When the 2 levers click into place, the cover is closed.)

Connections

Both "wireless" and "wired" control are possible with this unit.
The following explanation is for wired control.

- When setting up for wired control, do not insert batteries in the unit because the power is supplied from the AX-M9000.
- When making connections, make sure that the power of the AX-M9000 is off.

Making connections with a communication cable



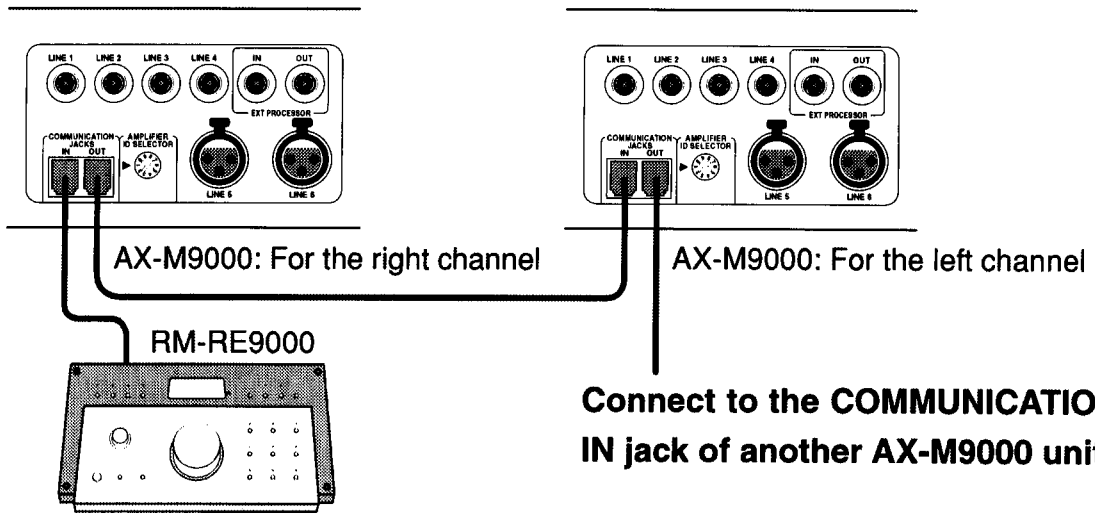
1 **Remove the rear compartment cover.**
See page 4 for details regarding opening and closing the rear compartment cover.

2 **Connect the communication cable.**
Use the communication cable supplied with the AX-M9000.
(It is also possible to use a commercially available 6-pin 4-conductor modular cable.)

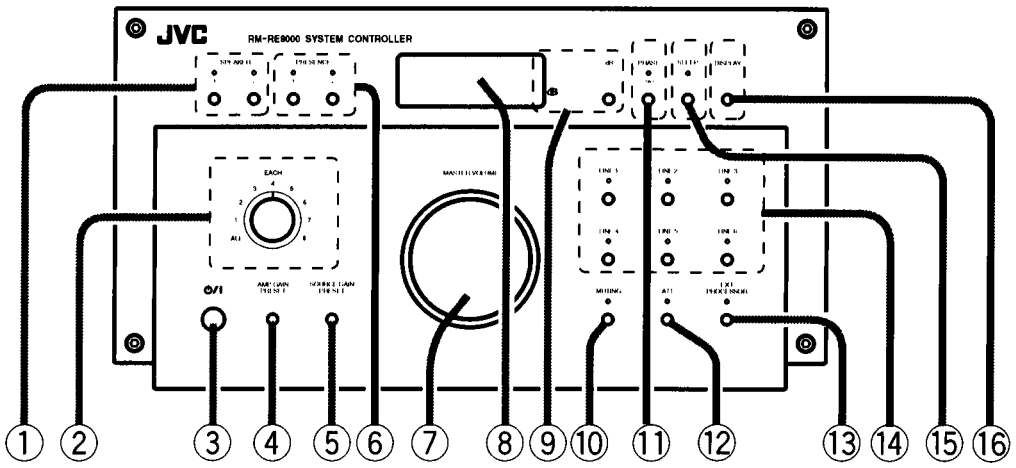
3 **Secure the cable under the tab.**

4 **Close the rear compartment cover.**

Make connections to the COMMUNICATION JACKS IN jack of the AX-M9000.
(Also refer to the instructions supplied with the AX-M9000.)



Switches, Buttons, and Controls



① SPEAKER buttons / indicators

"1" indicator is lit: The speaker connected to speaker terminal 1 is selected.

"2" indicator is lit: The speaker connected to terminal 2 is selected.

"1" and "2" indicators are lit: The both speakers connected to speaker terminal 1 and 2 are selected.

No indicator is lit: No speaker is selected.

② EACH dial

Select for control of a single AX-M9000 amplifier or for simultaneous control of all of the connected AX-M9000 amplifiers.

ALL: Select all of the AX-M9000 amplifiers connected in the series.

1 - 8: Select the ID number of each AX-M9000 independently.

③ ⏻/I button

Display is lit: Power is on.

Display is not lit: Power is in standby.

④ AMP GAIN PRESET button

Use to preset the gain of each ID number of the AX-M9000 in the range of –9.5 dB to +9.5 dB in 0.5 dB steps.

⑤ SOURCE GAIN PRESET button

Use to preset the gain of each of the components connected to the LINE inputs (1 to 6) of the AX-M9000 in the range of –9.5 dB to +9.5 dB in 0.5 dB steps.

⑥ PRESENCE buttons / indicators

Boosts the lower frequencies to give a greater feeling of "being there".

"1" indicator is lit: The lower frequencies are boosted. There is a 3 dB level increase at 50 Hz.

"2" indicator is lit: The lower frequencies are boosted. There is a 4 dB level increase at 70 Hz.

⑦ MASTER VOLUME control

- Use to adjust the volume.
- Use to adjust the AMP GAIN and SOURCE GAIN levels.

⑧ Display

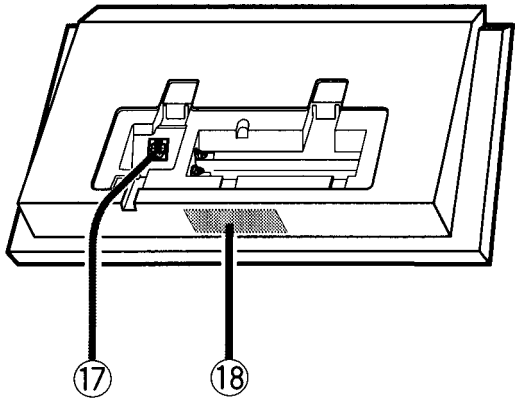
- Displays the volume level in decibels (dB) or percent (%). Use the dB button to switch the display.
- When adjusting the GAIN preset, the display appears in decibels (dB).

⑨ dB button / indicator

Use the dB button to switch the display.

dB indicator is lit: The absolute volume is displayed in decibels (dB).

dB indicator is not lit: The relative volume is displayed as a percentage (Min. to Max.).



During wireless control, the indicator lights go out after approximately 10 seconds. To turn on the indicators again, press the DISPLAY button or another function button.

⑩ MUTING button / indicator

Indicator is lit: The volume is reduced to the absolute minimum.

Indicator is not lit: The volume is restored to its former level.

⑪ PHASE button / indicator

Indicator is lit: The phase of the input and output is reversed.

Indicator is not lit: The phase of input and output is the same.

⑫ ATT button / indicator

When a large input is encountered, it is possible to reduce the signal strength.

Indicator is lit: The gain of the input amplifier is lowered by 12 dB.

Indicator is not lit: The function is off.

⑬ EXT PROCESSOR button / indicator

Indicator is lit: Selects the component connected to the EXT PROCESSOR jacks of the AX-M9000.

Indicator is not lit: The function is off.

⑭ LINE buttons / indicators

- Use to select the source.
- Only one of the LINE 1 to 6 indicators light up according to the selected line number.

⑮ SLEEP button / indicator

Indicator is lit: The sleep function is on.

Indicator is not lit: The sleep function is off.

For operation, see page 11.

⑯ DISPLAY button

Press and hold the DISPLAY button for about 2 seconds to darken the display.

Press and hold the DISPLAY button once again for about 2 seconds to restore the display illumination.

The display of the AX-M9000 also changes in the same way.

⑰ COMMUNICATION jack

This jack is used for making connection to an AX-M9000 amplifier (sold separately).

It is also possible to use a commercially available JVC modular cable (6-pin 4-conductor, not to exceed 10 meters in length).

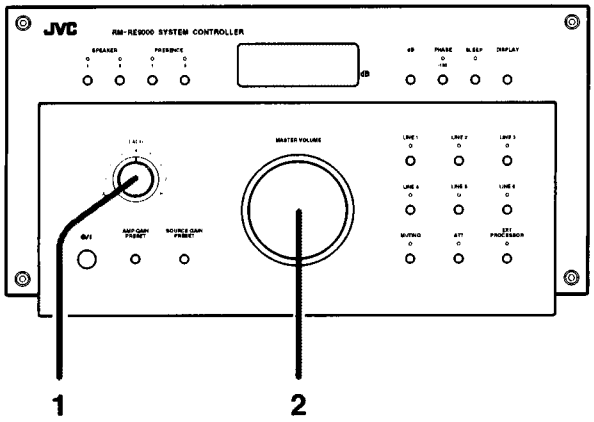
⑱ Remote control transmitter

When using this unit for wireless control, point the transmitter at the remote sensor of the AX-M9000.

Basic Operations

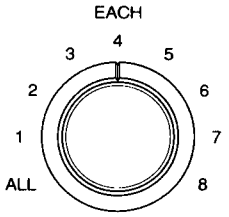
Basic control

- When using this unit in the wireless configuration, point this unit to the AX-M9000.
- When using this unit in the wired configuration, it can be pointed to any direction.
- When this unit is used in the wireless configuration, the response of the AX-M9000 becomes slightly slower. The display turns off in 10 seconds after operation in order to reduce battery consumption.
- The ID number of the controlled AX-M9000 can be specified using the EACH dial.



1 Select the amplifier using the EACH dial.

Select the ID number of the connected AX-M9000. When the EACH dial is set to ALL, all of the AX-M9000 units can be controlled simultaneously.



2 Set the functions for each AX-M9000 amplifier.

Press the LINE 1-6 buttons to select the source, adjust the volume with the MASTER VOLUME control, etc.

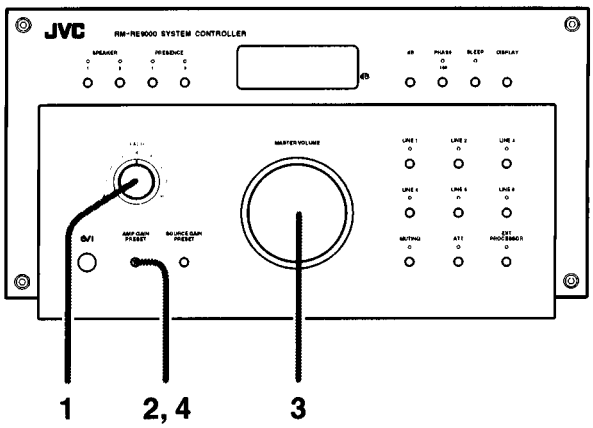
Refer to "Parts and Their Functions" on page 6.

Note:

- Even when a setting is changed on the control panel of the AX-M9000, the change is not applied to the setting of this unit.

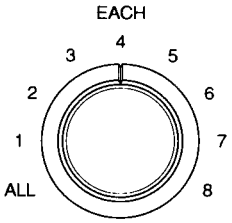
Setting the AMP GAIN PRESET

- Settings can be made for up to 8 AX-M9000 units.
- When controlling the overall volume, you can preset the difference in gain for each ID number of the AX-M9000 independently.
- This function is convenient for setting the volume level of each ID number of speakers in a multi channel speaker system.
- Both "wireless" and "wired" control are possible with this unit. Select the type of control corresponding to how the unit is going to be used.



1 Turn the EACH dial to select an amplifier.

Select the ID number of the connected AX-M9000.

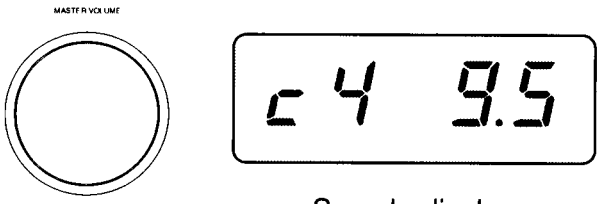


2 Press the AMP GAIN PRESET button.

AMP GAIN PRESET

3 Adjust the MASTER VOLUME control.

The volume can be adjusted from –9.5 dB to +9.5 dB.



Sample display

4 Press the AMP GAIN PRESET button again.

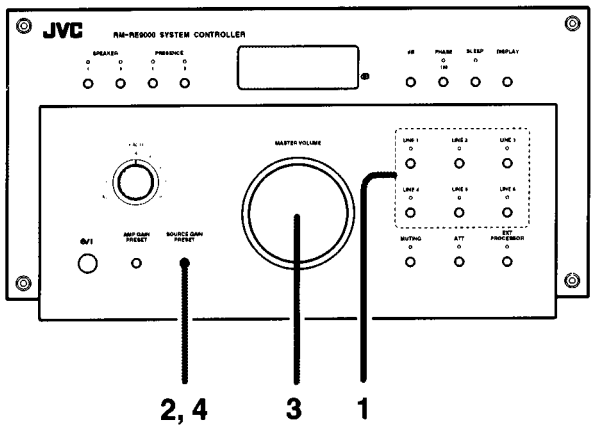
AMP GAIN PRESET

Notes:

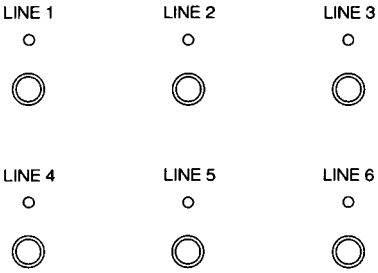
- AMP GAIN PRESET cannot be adjusted when the EACH dial is set to ALL.
- The value of AMP GAIN PRESET is not reflected in the volume value shown in the display.

Setting the SOURCE GAIN PRESET

- Settings can be made for up to 8 AX-M9000 units.
- When controlling the overall volume, you can preset the difference in input volume between lines.
- This feature is convenient for correcting the differences in input volume between lines.
- Both "wireless" and "wired" control are possible with this unit. In this section, use the information corresponding to how the unit is going to be used.

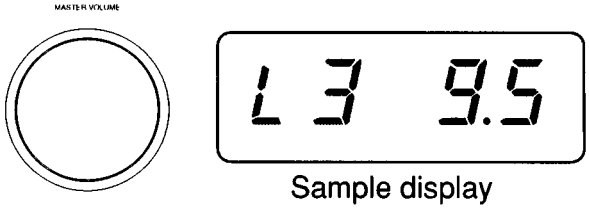


1 Select the appropriate LINE button.



2 Press the SOURCE GAIN PRESET button.

3 Adjust the MASTER VOLUME control.
The volume can be adjusted from –9.5 dB to +9.5 dB.



Sample display

4 Press the SOURCE GAIN PRESET button again.

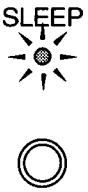
Note:

- The value of SOURCE GAIN PRESET is not reflected in the volume value shown in the display.

Using the sleep function

The SLEEP button enables you to set the AX-M9000 and other components connected by means of a communication cable to turn off automatically after a specified time period.

Press the SLEEP button to light the indicator.



- When the SLEEP key is pressed, the display shows "00". (The display of the AX-M9000 also becomes identical.)
- Each press of the key switches the set time (in minute) as shown below. (The same occurs also at the AX-M9000.)

→ 00 → 10 → 20 → 30 → 40 → 50 → 60 → 70 → 80 → 90 →

- When the set time has elapsed, the AX-M9000 is turned off automatically.
- The components connected through communication cables are turned off in the interlocked operation. (It is not possible to perform the setting for a single component.)
- While the sleep function is enabled, you can press the SLEEP button to see how much time is left. To cancel the sleep function, press the SLEEP button until the SLEEP indicator disappears.
- When "wired" connection is applied, the RM-RE9000 is also turned off automatically when the set time has elapsed. (The displayed elapsed time and the power OFF timing of the RM-RE9000 may be different from those of the AX-M9000.)
- When "wireless" operation is used, the elapsed time is not displayed and the display is not turned off on the RM-RE9000. When the display is switched on again after it has turned off automatically in 10 seconds, the set time display on the RM-RE9000 is reset to the initial condition. (The setting of the AX-M9000 does not change until the time is set again.)
- When the AX-M9000 is turned off automatically by the SLEEP function during "wireless" operation, the RM-RE9000 is not turned off automatically (STANDBY mode). As a result, when turning the AX-M9000 the next time, it is required to press the POWER button to turn the RM-RE9000 off then press the POWER button again to turn it on (i.e. press the POWER button twice).

Specification

Transmission system : Infrared system
Wired system

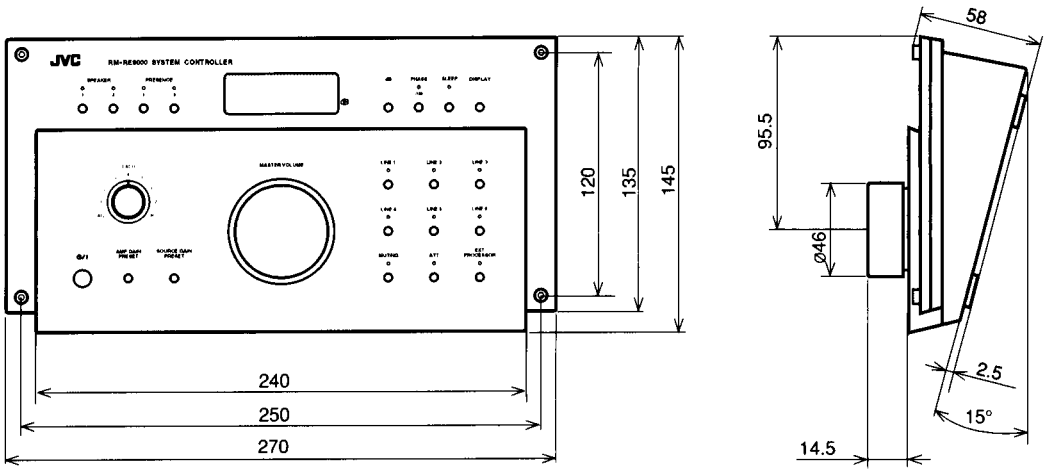
Power requirements : Wireless system: DC 3 V (power supplied from batteries)
Wired system: DC 5.6 V (power supplied from AX-M9000)

Mass : 1.0 kg (including batteries)
0.9 kg (not including batteries)

Accessories : AA (15F), LR6, alkaline dry batteries (to check operation of remote control) (4)

Dimension

Unit of measurement: mm



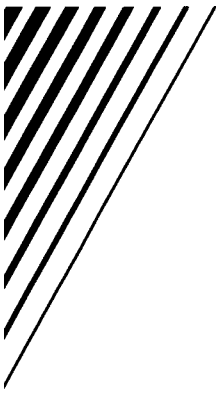
Design and specifications of this unit are subject to change without notice.

Troubleshooting

Remote control does not work

- When the POWER button is pressed, but the display does not light, replace the batteries.
- Make sure the EACH dial is set in a position that corresponds to the ID number of at least one of the AX-M9000 amplifiers.
- Check that the communication cable is connected correctly.

Memo



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