



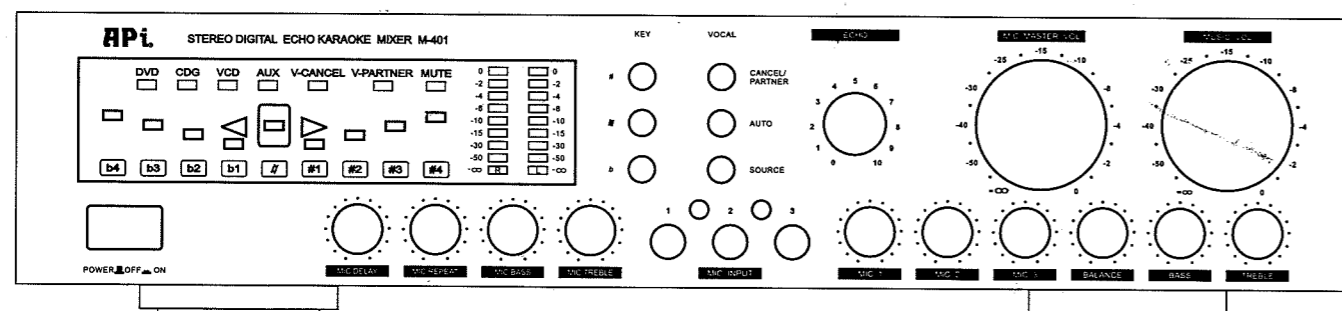
M-401

**STEREO SUPER DIGITAL ECHO & KEY
CONTROL KARAOKE MIXER**

OPERATING MANUAL



AceKaraoke.com



■ Before operating ,please read this manual compeletiy

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WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture. Dangerously high voltages are present inside the unit. Do not open the cabinet. Refer servicing to qualified personnel only.

PRECAUTIONS

On Safety

- * This unit supplied power voltage may 110V or 220V, the voltage selector on the rear panel of this unit must be set for your local main voltage **before** plugging into the AC main supply.
- * Should any liquid or solid object fall into the cabinet, unplug the unit and have it checked by qualified personnel before operating it any further.
- * Unplug the unit from the wall outlet or set the Master Switch to OFF if it is not to be used for several days.
- * To disconnect the cord, pull it out by the plug.

Never pull the cord itself.

On Installation

* Allow adequate air circulation to prevent internal heat build up. Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation holes.

* Do not install the unit in a location near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, excessive dust, mechanical vibration or shock.

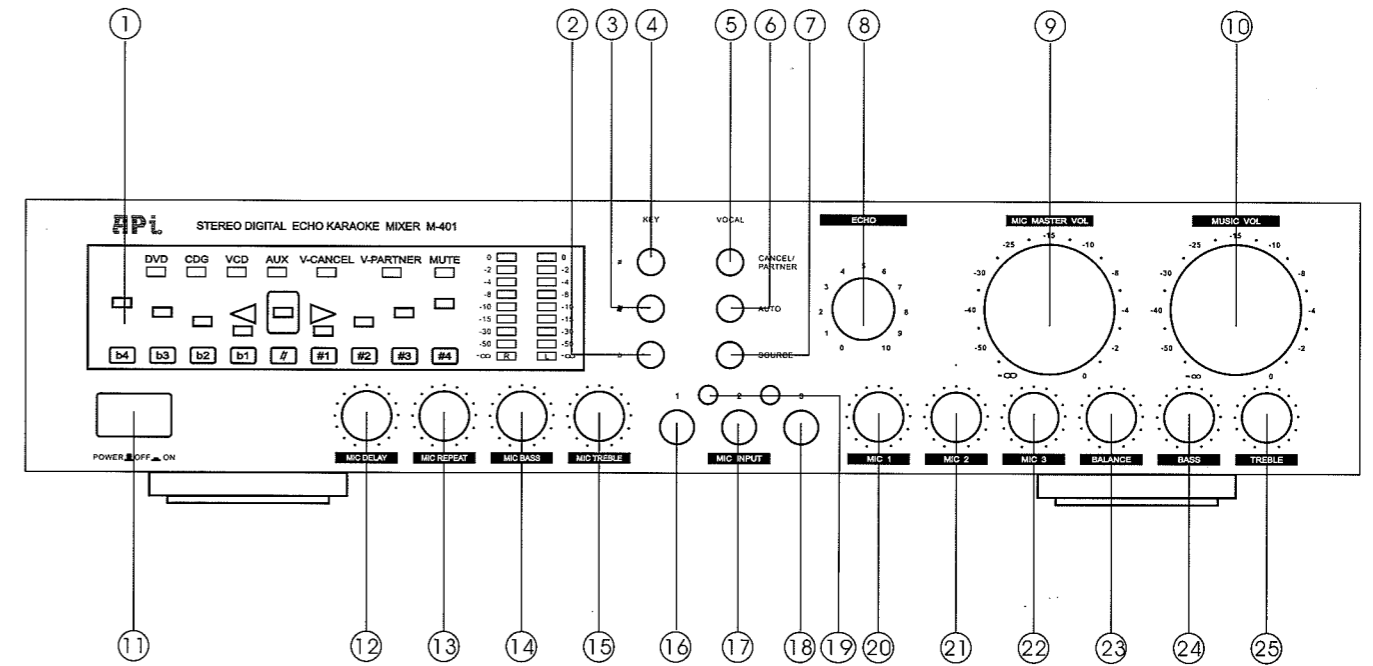
On Repacking

Do not throw away the carton and packing materials. They make an ideal container in which to transport the unit. When shipping the unit to another location, repack it was originally packed at the factory.

FEATURES

- * Remote Control
- * Three Microphone Inputs
- * Individual Microphone Volume Control
- * Microphone Tone Controls
- * Master Music Volume Control
- * Music Tone Controls
- * Digital Key Controller
- * Vocal Partner/Vocal Cancel
- * Echo Volume/Delay/Repeat Controls
- * Automatic Source Search
- * Music Effector Input/Output
- * Four Audio Inputs
- * Four Video Inputs and three Outputs
- * Mute(Remote only)

LOCATION AND FUNCTION OF PARTS AND CONTROLS (FRONT PANEL)



1. Remote control sensor

Receives signals from the remote controller.

2.KEY b button

KEY-DOWN shift key.

3.KEY # button

KEY-NORMAL key.

4.KEY # button

KEY-UP shift key.

5.VOCAL button

Press the button select a VOICE CHANGE, press again to select VOCAL PARTNER, press over again to go back to normal (playing both music and vocal simultaneously).

Note: this function is efficacious when input signal only is stereo, for example: VCD,CDG etc.

6.AUTO select button

Press this button, this unit auto scan input channel.

7.Input select button

Press this button to select the input source.

8.MIC Echo volume control knob

MIC Echo volume increase when clockwise direction rotate the knob, MIC Echo volume reduction when anti-clockwise direction rotate the knob.

9.MIC master volume control knob

MIC master volume increase when clockwise direction rotate the knob, MIC master volume reduction when anti-clockwise direction rotate the knob.

10. Music master volume control knob

Music master volume increase when clockwise direction rotate the knob, music volume reduction when anti-clockwise direction rotate the knob.

11. Power switch

Press to turn on the unit. press again to turn it off.

12. MIC Delay control knob

Clockwise direction rotate the knob to increase the delay time of the echo effects, anti-clockwise direction rotate the knob to reduction the delay time of the echo effects.

13. MIC Repeat control knob

Clockwise direction rotate the knob to increase the repeat time of the echo effects, anti-clockwise direction rotate the knob to reduction the repeat time of the echo effects.

14. MIC Bass control knob

Turn this knob to regulate the bass of the microphone inputs.

15. MIC Treble control knob

Turn this knob to regulate the treble of the microphone inputs.

16. MIC1 input jack

Microphone will be plugged this jack when use MIC1.

17. MIC2 input jack

Microphone will be plugged this jack when use MIC2.

18. MIC3 input jack

Microphone will be plugged this jack when use MIC3.

19. KEY control jack

To be connected by the control wire from a Key control Microphone.

20. MIC1 volume control knob

MIC1 volume increase when clockwise direction rotate the knob, MIC1 volume reduction when anti-clockwise direction rotate the knob.

21. MIC2 volume control knob

MIC2 volume increase when clockwise direction rotate the knob, MIC2 volume reduction when anti-clockwise direction rotate the knob.

22. MIC3 volume control knob

MIC3 volume increase when clockwise direction rotate the knob, MIC3 volume reduction when anti-clockwise direction rotate the knob.

24. Music Balance control knob

Turn to adjust the volume balance between the left and right channels.

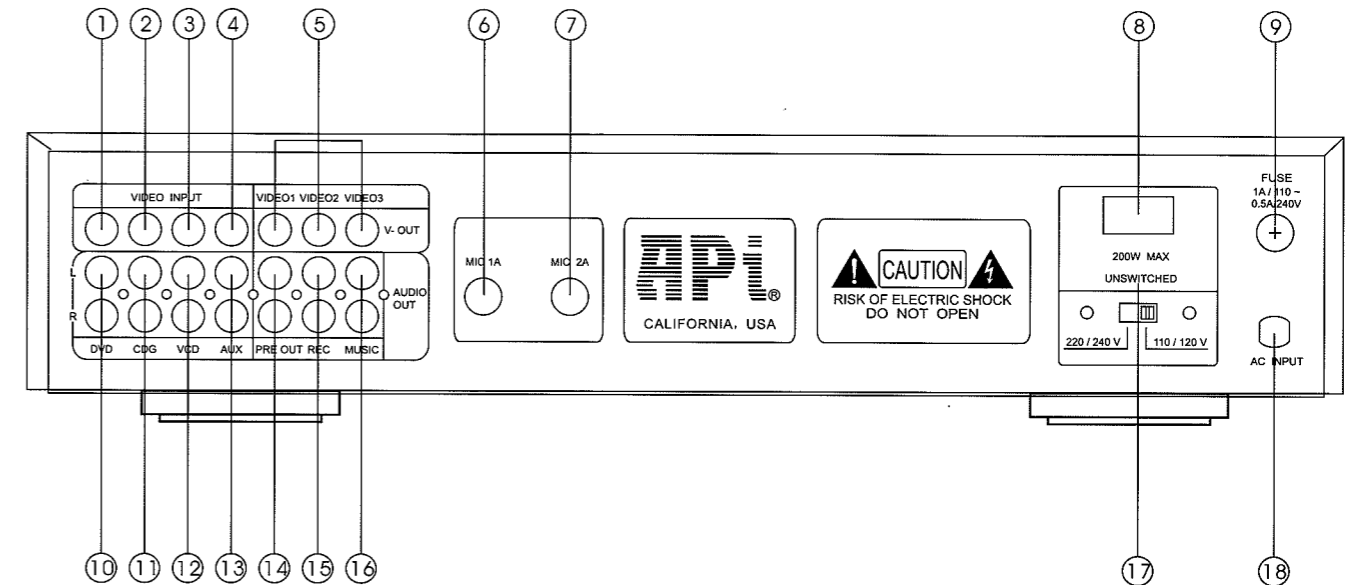
24. Music Bass control knob

Turn this knob to regulate the bass of music.

25. Music Treble control knob

Turn this knob to regulate the treble of music.

LOCATION AND FUNCTION OF PARTS AND CONTROLS (REAR PANEL)



1. DVD VIDEO input jack

To be connected to the video output of DVD player.

2. CDG VIDEO input jack

To be connected to the video output of CDG player.

3. VCD VIDEO input jack

To be connected to the video output of VCD player.

4. AUX VIDEO input jack

To be connected to the video output of AUX player.

5. VIDEO output jack

To be connected to the monitor TV's (up to 3 sets).

6. MIC1A input jack

MIC1A is common to MIC1 jack at the front panel.

7. MIC2A input jack

MIC2A is common to MIC2 jack at the front panel.

8. AC OUTETS

Provide MAX 200Watts of AC power outlets.

Note: These outlets are not controlled at panel power switch .

9. FUSE Hold

For AC power 110V-120V, use 1A fuse.

For AC power 220V-240V, use 0.5A fuse.

10. DVD AUDIO input jack

To be connected to the audio output of DVD

player.

11.CDG AUDIO input jack

To be connected to the audio output of CDG player.

12.VCD AUDIO input jack

To be connected to the audio output of VCD player.

13.AUX AUDIO input jack

To be connected to the audio output of AUX player.

14.PRE OUT output jack

To be connected to the inputs of an external power amplifier or other mixer.

15.REC OUT output jack

To be connected to the inputs of a recorder.

16.MUSIC output jack

To be connected to a the outputs of sound effector, then to other amplifier, such as a graphic equalizer.

17.Voltage select switch

Select this unit supplied power voltage is 110V or 220V

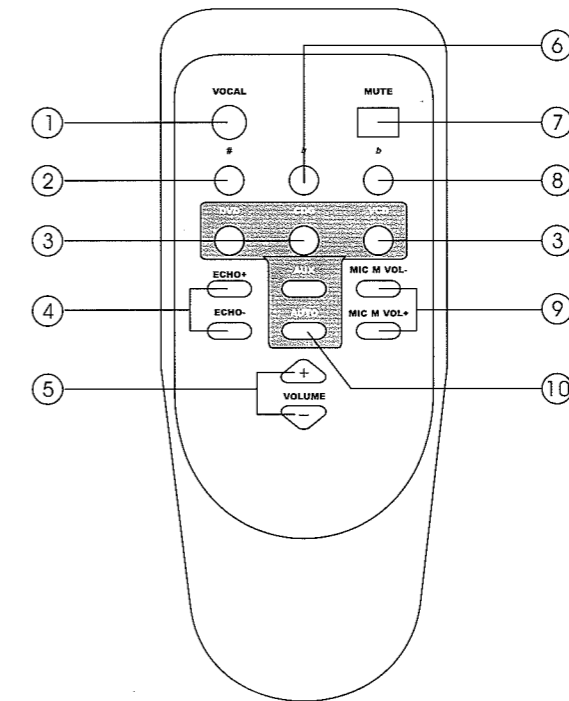
Note:The voltage selector on the rear panel of this unit must be set for your local main voltage **before** plugging into the AC main supply.

18.AC LINE-AC Power Cord

To be plugged to a power outer.

REMOTE CONTROL OPERATION

(FUNCTION OF BUTTONS ON THE REMOTE CONTROLLER)



1.VOCAL button

Press the button select a VOICE CHANGE, press again to select a VOCAL PARTNER, press over again to go back to normal (playing both music and vocal simultaneously).

Note: this function is efficacious when input signal only is stereo,for example:VCD、CDG etc.

2KEY # button

KEY-UP shift key..

3.Intput select button

Press this button to select the input source.

4.MIC Echo volume control button

Increases or decreases the echo volume level.

5.Music volume control button

Increases or decreases the music volume level.

6.KEY b button

KEY-DOWN shift key.

7.MUTE button

Mute the sound. Press again to restore the audio out to the previous volume level.

Note: MUTE light illuminated is twinkling on the panel after Mute.

8.KEY h button

KEY-NORMAL key.

9.MIC Master volume control button

Increases or decreases the MIC master volume level.

10.AUTO select button

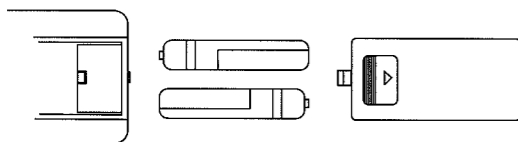
Press this button, this unit auto scan input channel.

REMOTE CONTROL OPERATION

Installing batteries in the remote controller

Since the remote controller will be used for many of this unit's control operations, you should begin by installing the supplied batteries.

1. Turn the remote controller over and slide the battery compartment cover in the direction of the arrow.
2. Insert the batteries (AAA) according to the polarity markings on the inside of the battery compartment.
3. Close the battery compartment cover.



Notes about the remote controller

Batteries replacement

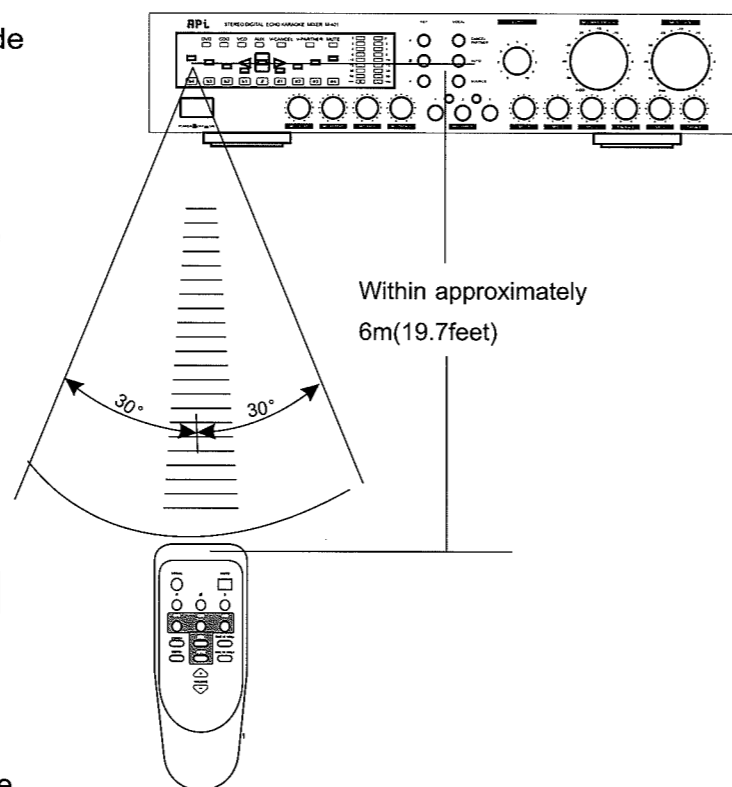
If you find that the remote controller must be used closer to the main unit, the batteries are weak. Replace both batteries with new ones.

Notes

- ★ Use AAA batteries.
- ★ Be sure the polarities are correct. (See the illustration inside the battery compartment.)
- ★ Remove the batteries if the remote controller is not used for an extended period of time.
- ★ If batteries leak, dispose of them immediately.

Avoid touching the leaked material and contact with clothing, etc. Clean the battery compartment thoroughly before installing new batteries.

Remote controller operation range



Notes

- ★ The area between the remote controller and the main unit must be clear of large obstacles.
- ★ Do not expose the remote control sensor to strong lighting, in particular, an inverter type fluorescent lamp. Otherwise, the remote controller may not work properly. If necessary, position the main unit away from direct lighting.

SYSTEM CONNECTIONS

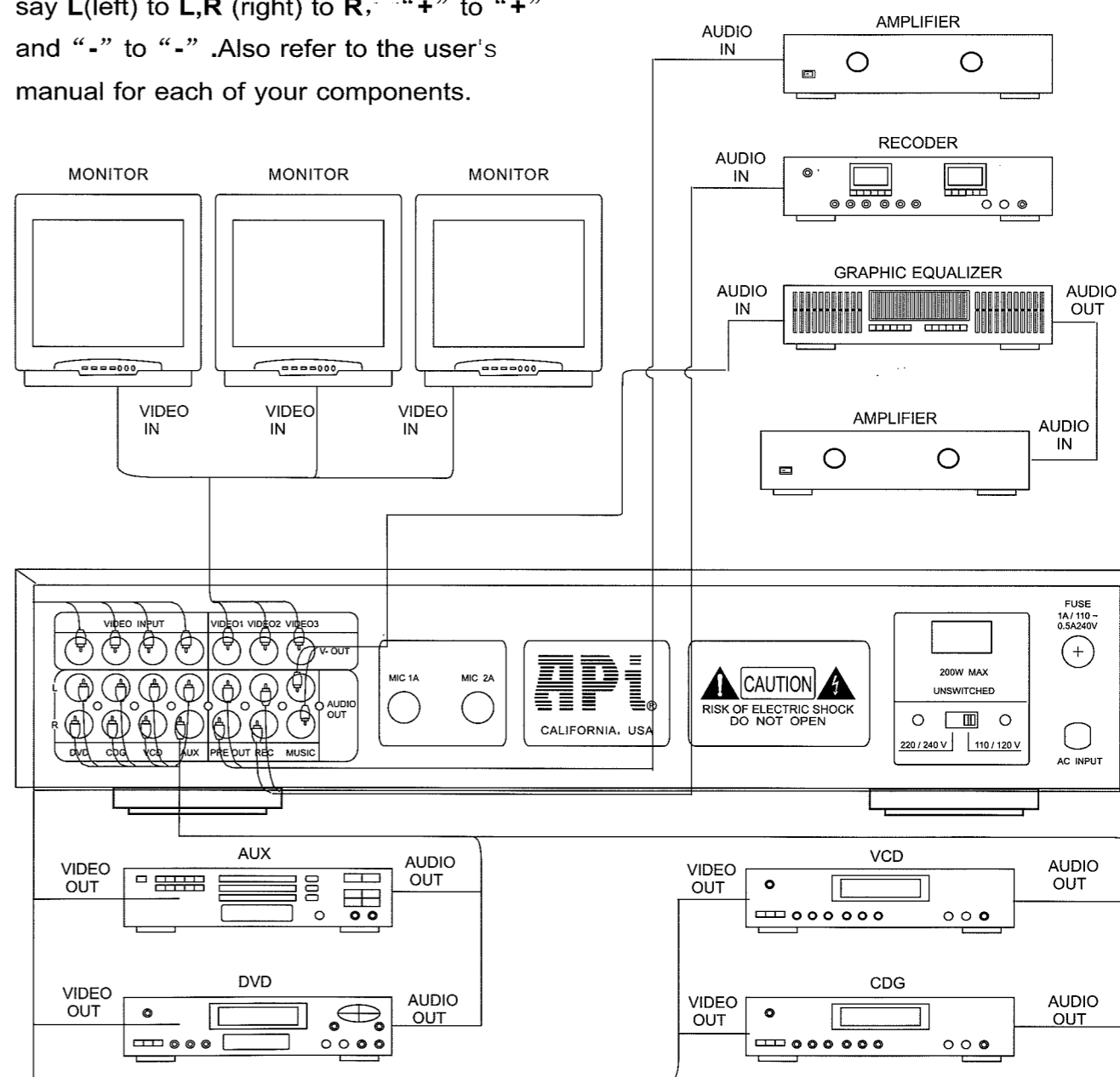
(CONNECTING AUDIO AND VIDEO COMPONENTS)

Caution: Plug in this unit and other components after all connections are completed.

All connections must be correct, that is to say L(left) to L, R (right) to R, "+" to "+" and "-" to "-" . Also refer to the user's manual for each of your components.

Audio/video source equipment

Use RCA type pin plug cables for audio/video units with the exception described later.



SPECIFICATIONS

Mixer	Key Control Range13 Steps +/-3Tones
Total Harmonic Distortion (1KHz,-3dB,6Ω)0.03%	Video Input Sensitivity/Impedance 1Vp-p/ 75Ω
Input Sensitivity/Impedance	Video Output Sensitivity/Impedance 1Vp-p/ 75Ω
Mic.....6mV/600Ω	Power Supply110-120V/220-240V,60/50Hz
DVD,VCD,CDG,AUX 300mV/22Ω	Power Consumption20W
Output Level/Impedance	AC Power Outlets
PRE OUT..... 2.5V/1KΩ	Unswitched (200W Max) 1
REC OUT..... 2.5V/1KΩ	Dimensions (W×H×D) ... 430×90×398 mm
Frequency Responses	Weight 3.5kg
MIC 10Hz to 25kHz,+/-3dB	
MUSIC..... 10Hz to 40kHz,+/-3dB	
Tone Control Characteristics	Accessories
MUSIC BASS+/-10dB(100Hz)	Operating Instructions Manual1
MUSIC TREBLE.....+/-10dB(10kHz)	Remote Control Commander1
MIC BASS +/-10dB(100Hz)	AAA batteries 2
MIC TREBLE+/-10dB(10kHz)	

VOLTAGE SELECTION



Caution

When the unit is used in an area where the local voltage is 220-240 Volts, use the supplied power plug adapter, and replace the fuse with the 0.5A fuse as supplied.



The voltage selector switch on the unit was set to "110-120V" before being shipped from the factory.

VOLTAGE SELECTOR

