

KM-12

-WARNING-

The KM-12 can produce high sound pressure levels. Hearing protection is advised. The KM-12 MUST be earthed and connected to a correct power source.

-SPECIFICATIONS-

Design Range:

Instrument Inputs:	300 MV - 4 Volts RMS
Microphone Input ¼”:	200 UV – 2 Volts RMS
Microphone Input XLR:	100 UV – 1 Volt RMS

Power Amplifier: 100-watt RMS

Speakers: One 12” 250-watt Eminence Beta, 8 ohms
80-watt 3.5X3.5 Ferro cooled dynamic horn, 8 ohms

Dimensions: 18” W 15”H 12”D Weight 28 lbs.

<u>Power:</u>	US	117VAC	50/60 Hz	100 watt	Fuse (Slo-Blo)
	Europe	230 VAC	50/60 Hz	100 watt	2 amp
	Japan	100 VAC	50/60 Hz	100 watt	1 amp
					2 amp

Fuse Location: The fuse is located in the power inlet module.
Use only recommended fuse rating!

Finish: Two part Polymaric™ tough polymer finish on MDF

-DESCRIPTION-

The **Motion Sound KM-12** is a light weight true high fidelity amplifier that combines truly engaging sound quality with the features and portability that aspiring and accomplished musicians demand. It is designed for use in small to medium sized venues for amplification of all quality sound sources.

-QUICK SETUP-

Set the KM-12's volumes to zero. Turn all EQ controls to "5". Set your keyboard or sound Source to 50% volume. Connect your sound source to a KM-12 input and advance the volume the desired point.

-Sound- -What to Expect-

The KM-12 is ideally placed in back of you at about 2 ft. above the floor. Your position should be at amplifier center for best quality sound.

Experience has shown that placing the amplifier on the floor can provide more bass, but depending on how close you are to the KM-12, you may not hear enough treble. Tilting the KM-12 back slightly can help direct more "highs" toward you. All rooms will sound different: experimenting with amplifier placement can improve the sound to you and your audience.

-Control Panel-

Inputs: Channel One-1 ¼" input (non-balanced)
Channel Two-2 ¼" inputs (non-balanced)

Microphone Inputs: A balanced XLR and unbalanced ¼" input is provided, they can be used simultaneously. The microphone volume controls both inputs and the tone controls are routed through Channel One's EQ.

Bass: <150Hz. Low frequency boost/cut. If you have a bass player, set this at about 3-5. Bass uses a lot of power and can make your sound muddy, adjust carefully to preference.

Middle: Controls frequencies from 150 Hz to 3 kHz. This is the most important frequency range of many instruments. Set at 5 and then vary according to preference/.

Treble: Adjusts sound above 3kHz. Treble is the highest frequency content of sound and the most directional part of the spectrum. Set at 5 initially and adjust to preference. The highest frequencies do not travel very far in air, so don't fry your ears with searing highs that will never reach an audience.

-REAR PANEL CONNECTIONS-

Line Output: A balanced XLR line output is provided for both channels for connection to a PA system or a **Motion Sound SW-15 Subwoofer**.

Microphone Input: The microphone input is for standard XLR balanced inputs the volume control is routed through the Channel One's EQ channel controls.

-SERVICE-

Motion Sound or an authorized service center must perform all maintenance. In the unlikely event of failure remove as follows:

Grill: Remove the front grill by unscrewing the four screws.

Speaker: Remove the 12" speaker screws and carefully remove the speaker. Detach the four speaker wires (note polarity and location).

Amplifier: Remove the 8 outside screws and slide the chassis through the speaker cutout hole.