General Description

The TOA SM-25M is a self-powered personal monitor system designed around our popular SM-25A powered monitor system. The SM-25M has a built-in 25 watt power amp, a 5-inch woofer and a 2-inch tweeter. An automatic compression circuit is provided to ensure maximum headroom and speaker component protection. The system features a mic level XLR input on the front panel, as well as a rotary volume control, a tone control, and headphone monitoring jack. Add to that a back panel with both a line level ¼" input jack and a bridging jack for chaining additional speakers, and the SM-25M becomes a portable PA/monitor system-just plug in a microphone and go. A unique bracket allows the system to be mounted to mic stands, and even to walls in permanent installations. The cast aluminum enclosure is rugged enough to withstand even the roughest handling. The SM-25M combines high performance, durability, and innovative design in a portable package with a wide range of applications.

Specifications

Enclosure
- Sealed type

Speakers
- 2 way speaker of 12cm (5-inch) and 5cm (2-inch) diameter

Sound pressure level
- 88dB (1W/1M)

Frequency response
- 90Hz~20kHz

Amplifier

- Power requirements: AC Mains
- Power consumption: 30W (MAX. 65W)
- Rated output power: 25W
- Mic input sensitivity: —55dB (1.38mV)
- Mic input impedance: Open (For use with nominal 50-ohm to 250-ohm) electronically balanced
- Mic input terminal: XLR Type, NC3F
- Line input sensitivity: —20dB (77.5mV) or +4dB (1.23V) switchable

Line input impedance
- 8k ohms, set at —20dB, 40k ohms at +4dB
- Transformer isolated balance
- —15dB at 10kHz

Tone control (high cut)
- Line input terminal: Locked ¼" jack
- Bridge terminal: Locked ¼" jack

Finish
- Front panel: Metal punched net
- Body: Cast aluminum (Black)

Weight
- Approx. 6.3kg (13.9 pounds)

Dimensions
- 325(W) x 170(H) x 140(D) mm
- 12.8(W) x 6.7(H) x 5.5(D) inches
How To Connect & Installation

MIC input connection [Front Panel]

MIC input should be connected with low impedance (50Ω ~ 600Ω) microphone.
XLR Type connector
The pin 1: Ground.
The pin 2: Cold (−)
The pin 3: Hot (+)

LINE input connection [Rear Panel]

In case of using one SM-25M

Inserting a headphone jack makes the speaker switched out.

In case of using two 25M's in parallel

Tip: Hot (+)
Ring: Cold (−)
Sleeve: Ground

or

Tip = Hot (+)
Sleeve = Com. (−)

Characteristic Diagrams

Input signals are fed through a line input terminal.

(Tone control set at "10")

Frequency Response (1W/1m)

Harmonic Distortion (1W/1m)

Directional Frequency Response (1W/1m)

Power Amp Compressor

Polar Response

Horizontal Dispersion

Vertical Dispersion

Scale is 10dB per division

Printed in Japan
133-02-689-0B