

## Overview

The versatile MSP3 reference monitor has been renewed as the MSP3A, featuring a new Twisted Flare Port that delivers clearer bass from a simpler, more beautiful design.

The MSP3A features a 10 cm (3.94") woofer with a Twisted Flare Port design and a 2.2 cm (0.87") tweeter. The built-in power amp is optimized for the speaker units to deliver reference sound that is clear and natural. Although the built-in amp puts out a powerful 22 watts, the MSP3 weighs only 4.4 kilograms (9.7 lbs), making it portable and easy to reposition.

The Twisted Flare Port design makes the most of our extensive subwoofer development experience. The flared, gently twisting shape diffuses the vortex of air generated around the port edge, creating smooth air flow. This reduces extraneous noise not in the original input signal and reproduces low frequencies clearly and accurately. From movie special effects to live venue atmospheres, the bass is clear, tight and realistic.

In addition to a combo XLR/TRS connectors that allows direct input from a +4 dB mixer or other professional equipment, the MSP3A provides TRS and RCA jacks for convenient connection to electronic instruments and other audio devices. Tone controls let you optimize the sound for your monitoring environment and effectively compensate for frequency imbalances caused by speaker placement or room resonance.



Rear Panel

## Features

- 10 cm (3.94") woofer with a Twisted Flare Port design and a 2.2 cm (0.87") tweeter
- Optimized internal 22W power amp delivers clear and natural reference-level sound to each speaker unit
- 4.4 kilograms (9.7 lbs), making it portable and easy to reposition
- Optional brackets for ceiling, wall mounting, and microphone stand mounting available

## Specifications

### General Specifications

System Type		Powered speaker
Frequency Response (-10 dB)		67Hz - 22kHz
Crossover Frequency		4kHz
Maximum Output Level (Measured peak, IEC noise@1m)		99dB SPL
Power Requirements	J	100V, 50/60Hz
	U, BRA	120V, 50/60Hz
	T	110 - 120V, 60Hz
	E, B, IN	230V, 50/60Hz
	CHN, K	220 - 230V, 50/60Hz
	INA	220V, 50Hz
	A	240V, 50Hz
Power Consumption		30W
Dimensions (W x H x D)	System (maximum)	144mm x 236mm x 166 mm (5.7" x 9.3" x 6.5")
Weight		3.6kg (7.9lbs)

### Amplifier Section

Maximum Output	THD 0.1%, 1kHz ,RL=4Ω	22W
Input Sensitivity	Input Sensitivity, Input Impedance	LINE 1: -10dBu, 10kΩ (RCA)
	Input Sensitivity, Input Impedance	LINE 2: +4.0dBu, 10kΩ (COMBO)
Input Connectors		LINE 1: RCA
		LINE 2: COMBO (XLR/PHONE)
Level Control		LINE1, LINE2
Tone Control Characteristic	LOW = CENTER	MIN -3.0 ± 2.0dB
	REF = 100Hz, 2V	MAX +3.0 ± 2.0dB
	HIGH = CENTER	MIN -3.0 ± 2.0dB
	REF = 10kHz, 2V	MAX +3.0 ± 2.0dB
Indicator		Green LED

### Speaker Section

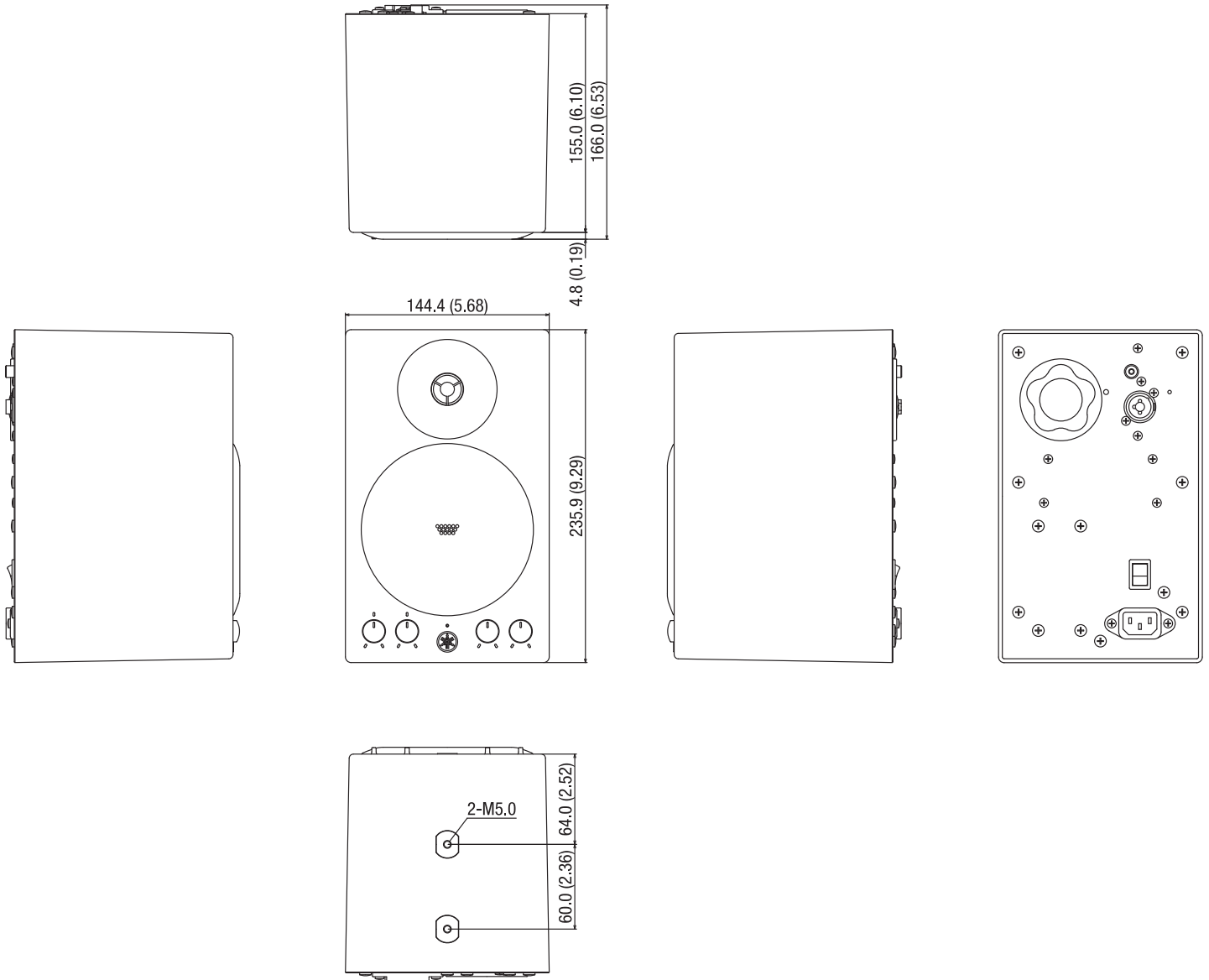
Enclosure		2-Way, Bass-reflex type
Speaker Unit	HF (Tweeter)	0.8" (2.2cm) Dome
	LF (Woofers)	4" (10cm) Cone
Impedance	HF (Tweeter)	4Ω
	LF (Woofers)	4Ω
Power Rating	NOISE	20W
	PGM	40W
	MAX	80W

### Accessories

Included in the package	Power cord, Owner's Manual
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## Dimensions

Unit: mm (inch)



## Options

- Mic Stand Adaptor      BMS-10A
- Free-Angle Clamp      BAS-10
- Wall Mounting Brackets      BWS20-120 / BWS20-190
- Ceiling Brackets      BCS20-150 / BCS20-210

## Architectural and Engineering Specifications

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The Yamaha MSP3A Powered Monitor Speaker shall be a two-way bass-reflex type monitor speaker aimed primarily at small studio, post-production, electronic instrument monitoring, and surround playback applications. The MSP3A shall have a 10 cm (3.94") cone woofer for low frequency reproduction and a 2.2 cm (0.87") dome tweeter for high frequency reproduction. The bass-reflex port shall employ the Yamaha Twisted Flare Port design to ensure optimum airflow for low noise and enhanced bass reproduction quality. The woofer and tweeter shall be powered by an efficient amplifier delivering 22 watts total rated power output (0.1% THD, 1 kHz, 4Ω RL). The speaker shall include LOW and HIGH response controls for convenient room response compensation.

The MSP3A Powered Monitor Speaker shall meet the following performance criteria: Frequency response shall be 67 Hz to 22 kHz at 10 dB below rated sensitivity, and the frequency dividing network shall have a crossover frequency of 4 kHz. Maximum output SPL shall be 99 dB (peak, IEC noise @ 1m).

The MSP3A Powered Monitor Speaker shall provide two line inputs with the following connectors: the LINE 1 input shall be a balanced COMBO connector that accepts either an XLR or TRS phone type plug delivering signals at nominal +4 dBu, and the LINE 2 input shall be an unbalanced RCA connector that accepts an RCA plug delivering signals at nominal -10 dBu. The impedance of both inputs shall be 10 kΩ. Independent LINE 1 and LINE 2 level controls shall be provided to allow input mixing.

The MSP3A Powered Monitor Speaker shall provide threaded mounting points on its base for attachment to a range of optional mounting hardware, including wall and ceiling mount brackets and a microphone stand mount adapter. Dimensions shall be 144 (W) x 236 (H) x 166 (D) mm. Weight shall be no more than 3.6 kg.

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