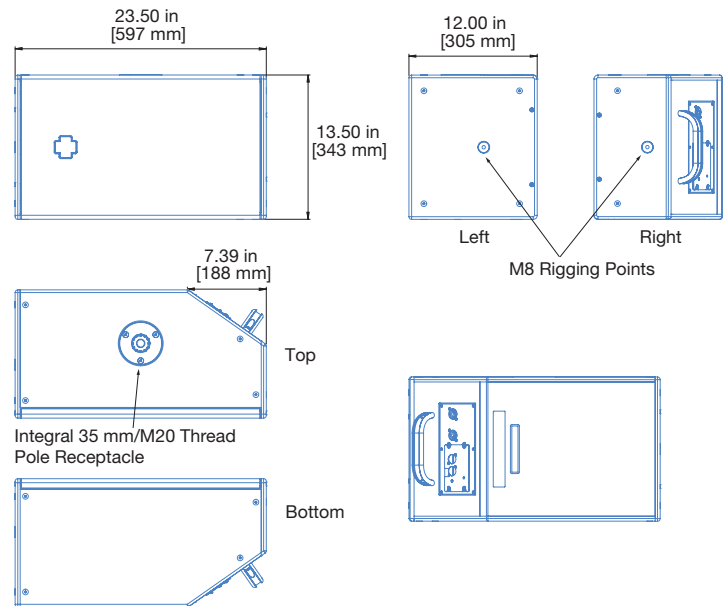


USW-112P Compact Narrow Subwoofer



The USW-112P compact narrow subwoofer further extends the USW family. With its great power-to-size ratio, it provides big bass sound for very tight spaces. Its compact rectangular enclosure and slanted connector panel enables flush-mounting of the cabinet against wall surfaces, reducing required installation depth to 12 inches, including connectors.

The USW-112P is ideal for installations requiring high performance and versatility along with an appealing, discreet aesthetic appearance. Designed to be the ideal companion to Meyer Sound's ULTRA-X20, it also complements the low frequencies in other Meyer Sound loudspeakers, such as the UP-4slim and those in the UPM family.

The USW-112P has an operating frequency range of 35–140 Hz with a linear peak SPL of 123 dB, measured in half-space at 4 m and referred to 1 m using M-noise¹. The bass reflex cabinet employs a low-velocity port design based on the Meyer Sound USW-210P subwoofer for high efficiency and low port distortion.

The cabinet houses a one-channel Class D power amplifier with signal processing including electronic crossover, correction filters for phase and frequency response, and driver protection circuitry. The built-in crossover accepts full-range signals, which enables daisy-chain signal distribution and eliminates the need for external crossovers in smaller systems.

The Intelligent AC™ power supply provides automatic voltage selection, EMI filtering, soft current turn-on and surge suppression,

while the USW-112XP version with IntelligentDC technology suits applications where AC distribution is a limiting factor. The USW-112XP receives DC power and balanced audio from a Meyer Sound power supply using a single composite cable and connector.

The optional RMS™ remote monitoring system module provides comprehensive, real-time information about loudspeaker parameters from a Mac® or Windows®-based computer running Compass® control software via the RMServer interface. Optional XLR 5-pin connectors allow composite cables to carry both balanced audio and RMS signals.

Meyer Sound constructs the USW-112P cabinet from premium birch plywood coated with a durable black-textured finish and includes a powder-coated, round-perforated steel grille to protect the drivers. Weather protection and custom color finishes for specific cosmetic requirements are available options.

With its versatile shape, the USW-112P can be placed on the ground in a horizontal or vertical position to accommodate installation requirements and includes an integral 35 mm pole mount receptacle with M20 threads for added stability.

The USW-112P comes standard with M8 mounting points at the top and bottom for use with the optional U-bracket that enables wall, ceiling, or truss mounting.

FEATURES AND BENEFITS

- High power-to-size ratio
- Discrete appearance and versatile, as it accommodates either vertical or horizontal placement
- Fits into tight architectural spaces at only 12 inches deep including connectors
- Clean and low distortion output due to its proprietary low distortion driver and low air velocity port

APPLICATIONS

- Multi-purpose Audio/Visual
- Corporate rental
- Houses of worship
- Conference rooms
- High-end private installations
- Retail spaces
- Theater

PRELIMINARY SPECIFICATIONS

ACOUSTICAL	
Operating Frequency Range	35 Hz – 140 Hz
Phase Response	45 Hz – 120 Hz \pm 30°
Linear Peak SPL ¹	123 dB (M-noise), 123 dB (Pink Noise), 125 dB (B-noise)
TRANSDUCERS	
Low Frequency	One 12-inch cone driver, nominal impedance 3 Ω
AUDIO INPUT	
Connectors	XLR 3 female input with male loop output. Optional XLR 5-pin connector to accommodate both balanced audio and RMS signals.
Input Level	Audio source must be capable of producing of +20 dBV (10 V rms) into 600 Ω to produce the maximum peak SPL over the operating bandwidth of the loudspeaker.
AMPLIFIER	
Type	Two-channel, open-loop, Class-D
Total Output Power ²	1500 W peak
AC POWER	
Connectors	PowerCON 20 input with loop output
Safety Rated Voltage Range	100–240 V AC, 50–60 Hz
CURRENT DRAW	
Maximum Long-Term Continuous Current (>10 sec)	1.4 A rms (115 V AC)
PHYSICAL	
Dimensions	W: 13.5 in (343 mm) x H: 23.5 in (597 mm) x D: 12.0 in (305 mm)
Weight	44 lb (20 kg)
Enclosure	Premium multi-ply birch with slightly textured black finish
Protective Grille	Powder-coated, round-perforated steel

NOTES

1. **Linear Peak SPL** is measured in half-space at 4 m referred to 1 m. Loudspeaker SPL compression measured with M-noise at the onset of limiting, 2-hour duration, and 50 °C ambient temperature is < 2 dB.

M-noise is a full bandwidth (10Hz–22.5 kHz) test signal developed by Meyer Sound to better measure a loudspeaker's music performance. It has a constant instantaneous peak level in octave bands, a crest factor that increases with frequency, and a full bandwidth Peak to RMS ratio of 18 dB.

Pink noise is a full bandwidth test signal with Peak to RMS ratio of 12.5 dB. **B-noise** is a Meyer Sound test signal used to ensure measurements reflect system behavior when reproducing the most common input spectrum, and to verify there is still headroom over pink noise.

2. Peak power based on the maximum unclipped peak voltage the amplifier will produce into the nominal load impedance.