



PA5X140

ULTRA HIGH POWER
ONE-PIECE PA SYSTEM/POWERED MONITOR

POUND FOR POUND THE WORLD'S MOST POWERFUL SOUND SYSTEM

Galaxy Audio's CORE Series X amplifiers are the product of rigorous engineering and the latest advances in technology. The Class H power supply configuration utilizes four output transistors, a low voltage pair and a high voltage pair. Its low voltage transistors are active with any signal. When demand on the amp exceeds the low voltage transistors' capabilities, the high voltage transistors kick in and provide additional power. The result is an amplifier that runs cooler, weighs less, is smaller and more efficient.

Built-in compressor/limiter circuitry controls the amplifier's gain, acting like a compressor on transient signals and a "brick wall" limiter on signals that continuously exceed a predetermined limit. The result is an apparent 6 dB increase in SPL without distortion. That's twice the sound pressure.

SmartALIC gain management adjusts the amplifier's gain for differences between line level and mic signals, maximizing the signal-to-noise ratio of virtually any input source.

Never before has so much power been packed into a complete sound system that's smaller than a shoe box and weighs only 13 pounds. The CORE PA5X140 produces a ground shaking *146 watts (at 4 ohms)*, enough to power its internal speaker and two Galaxy Audio HOT SPOT Personal Monitors. Its *114 dB* maximum sound pressure level is louder than most systems many times its size.

It features balanced ¼-inch and XLR inputs with individual volume controls, a three band equalizer, and one of Galaxy's legendary ferro fluid cooled five-inch drivers with a 40-ounce magnet structure. A frequency response of 200 Hz to 18 kHz and 98 dB (1 watt/1 meter) sensitivity ensures incredible intelligibility and superior gain before feedback and can cut through the most extreme ambient noise levels.

The PA5X140's cabinet is constructed of black, fire-retardant styrene with a black cast aluminum faceplate/grille. Utilizing its integral microphone stand mount, and positioned in close proximity to the performer, it's louder, more direct, and less likely to cause feedback than a conventional floor monitor. And as a one-piece PA system nothing else its size and weight can approach the PA5X140's power and volume.

When plugged into Galaxy Audio's FAR OUTLET™ personal power source the PA5X140 is fully portable. It even comes with a handle. The CORE PA5X140 is made in the U.S.A..



SPECIFICATIONS

AMPLIFIER SECTION

Rated Power: 146 watts @ 4 ohms, 100 watts @ 8 ohms

Equalization: Three band center detent

Lo: ± 12 dB shelving at 300 Hz

Mid: ± 12 dB peak/dip at 2 kHz

Hi: ± 12 dB peak/dip at 10 kHz

Frequency response: 200 Hz–20 kHz

Signal-to-Noise Ratio: >95 dB

Total Harmonic Distortion:

<0.05% @ 4 ohms, <0.1% @ 8 ohms

Minimum Recommended Load Impedance: 4 ohms

Input Sensitivity for 8 ohm power: 1 VRMS

IHF Damping Factor: >380

Input connections (each with individual volume control):

One balanced ¼"

One balanced XLR with +24 VDC phantom power

Output connections:

One ¼-inch speaker level for minimum 8 ohm load.

One (post-EQ, post-level) RCA line out

Indicator LEDs: POWER, COMPRESSOR-LIMITER

Power Requirements: 110–125 VAC, 60 Hz, 2 A;
210–295 VAC, 50/60 Hz

Safeguards:

Short circuit current limiting

Short circuit foldback limiting

Thermal short circuit protection

Dynamic load line cooling

Turn on/turn off transient suppression

SPEAKER SECTION

Speaker: One Galaxy Audio S5C160-8 ferro fluid cooled 5" driver with 40 oz. (1.1kg) magnet structure

Nominal impedance: 8 ohms

Power handling capacity: 100 watts @ 8 ohms

Sensitivity (1 Watt @ 1 meter): 98 dB (1 kHz octave band)

Frequency response: 200 Hz–18 kHz

Maximum SPL @ clip (100 Watts @ 1 meter): 114 dB

SPLOWT: 9.12

Enclosure Materials: Fire retardant styrene

Color: Black case with black cast aluminum grille

Dimensions: 6.75" x 10.94" x 6" (171 mm x 278 mm x 152 mm)

Net weight: 12.5 lbs. (5.7 kg)

Shipping weight: 13.5 lbs. (6.1 kg)



ARCHITECT & ENGINEER SPECIFICATIONS

The PA system shall be a portable integrated unit featuring an amplifier, two-channel mono mixer with phantom power, equalizer, compressor and a single loudspeaker. The amplifier shall be capable of producing 146 continuous watts of power to a 4 ohm load, 100 watts of continuous power to the internal 8 ohm speaker. The mixer section shall include one balanced (differential) input using a ¼-inch phone plug connector and one +24 VDC phantom powered balanced (differential) input using an XLR connector. The mixer section shall include two separate sensitivity controls capable of automatically adjusting the gain to handle line, instrument or mic level inputs and a RCA connector capable of line level output. Equalization shall be accomplished via a three band equalizer: ± 12 dB shelving at 300 Hz, ± 12 dB peak/dip at 2000 Hz, ± 12 dB shelving at 10 kHz. The PA system shall have a ¼-inch speaker level output jack capable of driving an 8 ohm load. The internal loudspeaker shall be a ferro fluid cooled 5-inch full range driver with a 40 ounce magnet structure. Sensitivity measured at 1 watt at 1 meter (1 kHz, octave band) shall be 98 dB. The enclosure shall be constructed of fire retardant styrene with fade-resistant colors. The cabinet finish shall be black with a black cast aluminum bezel. Dimensions shall be 6 inches (152 mm) high, 10.94 inches (278 mm) wide and 6.75 inches (171 mm) deep. The system weight shall be 12.5 lbs (5.7 kg). The PA system shall display UL, CSA and CE agency markings. The PA system shall be the Galaxy Audio CORE PA5X140.

Specifications subject to change without notice.



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