



FEATURES

- **Discrete 2-channel monitoring**
- **Magnetically shielded**
- **Full-range, high-fidelity sound**
- **Excellent bass response**
- **Self-contained and self-powered**
- **Electronically balanced line-level XLR inputs**
- **Bar-type LED peak level meters**
- **Stereo/mono switch**
- **Uses only one rack space**

MONITOR APPLICATIONS

- **Stereo/2-channel program audio**
- **Videotape machines**
- **“Off air” receivers**
- **Patch bay signals**
- **Wireless microphone receivers**
- **“Cueing” on audio console outputs**
- **Television/radio broadcast**
- **Audi/video post production**
- **Commercial sound installations**
- **Theaters and auditoriums**
- **Touring sound systems**
- **Theme parks, multimedia presentations**
- **Industrial/aerospace**

DESCRIPTION

The Paragon™ AMS-1022 Amplified Monitor Speaker is one of a series of new professional audio products designed and built by Clear-Com systems. It is a bi-amplified, self-contained, rack-mount audio monitor speaker that occupies only a single rack space.

This monitor speaker features exceptional audio quality, very low distortion, and high output power. It provides convenient, powerful, high-quality audio monitoring capability in locations where few other monitor speakers can fit. The specially designed 3-way speaker system will reach output levels of 95 dB SPL without audible distortion.

The steel enclosure is magnetically shielded, allowing the speaker station to be placed above or below a television monitor without affecting the monitor's color balance. Equipped with electronically balanced or unbalanced line-level 3-pin XLR inputs, the AMS-1022 enables easy monitoring of a variety of audio sources. Its input limiter minimizes speaker distortion, and separate channel volume controls allow easy adjustment of stereo signals or two discrete monaural signals. The AMS-1022 has two multi-segment, LED bar-type level displays, adjustable from the front panel.

To achieve the extended bass response produced by the AMS-1022, the low-frequency signals from both channels are summed into a single bass amplifier. This amplifier drives a specially developed, baffled loudspeaker, which is centered in the unit. The mid- and high-frequency drivers are mounted at opposite ends of the AMS-1022, providing the maximum amount of stereo image separation possible.

The Paragon AMS-1022 Amplified Monitor Speaker is a valuable accessory in a wide variety of facilities and installations, particularly where rack space is at a premium.

SPECIFICATIONS

AMPLIFIER DESIGN

Two-channel, three-way bi-amplified.
Two high-frequency amplifiers and one summed low-frequency amplifier.

SPEAKER SYSTEM

One 6" LF, two 3 1/2" MF, and two 1 1/2" HF speakers.
Frequency Response: 100Hz - 15 kHz, +/-5 dB
Power Output: 28 watts to speaker system
SPL: 95 dB @ 1 ft.
Residual Noise: -65 dBv
Distortion: 0.5% THD
Channel Separation: 30 dB above 800 Hz
Input Level: -20 dBv for max. output (balanced)
Level Indicators: Two multi-segment LED bar
-20 to +3 dB display range, adjustable.

Power: 115/230 VAC input, 50 / 60 Hz
Power Consumption 48 VA
Input Connectors (Each Channel): One 3-pin female XLR (electronically balanced)
Operating Temperature Range: 0 - 70° C (32 - 150° F)

DIMENSIONS

19"W x 1.75"H x 12"D (483 x 44 x 304 mm)

WEIGHT

13 pounds (5.85 kg)

0 dBv is referenced to 0.775 volts RMS

All specifications are subject to change without notice.

BLOCK DIAGRAM

