



# ANX-70 Speaker Monitor

## Technical Specifications



SIX YEAR WARRANTY

The ANX-70 is a full-range loudspeaker system engineered to provide quality full-range sound projection in a variety of outdoor and indoor applications. Its wide range, enhanced mid range response and high efficiency ensure superb projection of clear intelligible speech. The speaker is supplied with an adjustable mounting bracket allowing for easy wall and ceiling installation. A 70 volt line transformer with three taps provides adjustable wattage setting.



## Features

- Enhanced Speech Intelligibility
- Smooth Frequency Response
- Magnetically Shielded
- Ease of Mounting with U Bracket
- Rugged Steel Grille
- Built-In top Quality 70 Volt Line Transformer with Minimal Saturation
- 4" (100 mm) Woven Carbon Fiber Woofer
- 5/8" (10 mm) PEI Dome Tweeter with Ferrofluid for Best Reliability
- 1/4" (6 mm) 8  $\Omega$  Input
- Push Terminals

## Architectural Specifications

- The general construction shall include an injection molded case; one 4 inch woofer, one 10 mm dome tweeter, and input termination consisting of quick connect/release bare-wire terminals.
- The maximum speaker dimensions shall be 5.25 inches high x 8.375 inches wide x 9 inches deep. The maximum weight shall be 4.2 pounds.
- The case shall be constructed of injection-molded ABS and shall include an integrally-cast speaker port. The case shall have a translucent grey or clear color.
- The woofer shall be magnetically shielded so as not to disrupt the convergence of video displays using cathode ray tube technology. The woofer shall be protected by a steel mesh grill.
- The woofer cone shall be of woven carbon fiber construction. The high frequency driver size shall be 10 mm and shall be ferrofluid cooled. The speaker monitor shall have the ability to mount on walls, ceilings, equipment racks or speaker stands with appropriate hardware and accessories.
- The system shall be the Anchor Audio ANX-70.

\* Multiply the number of speakers on each channel by 30 watts to obtain the optimum amplifier RMS wattage rating.

*EXAMPLE 1: Five speakers per channel requires an amplifier rated at 150 watts per channel. If some speakers will be set to the 5 or 10 watt taps then the minimum necessary amplifier power will be less.*

*EXAMPLE 2: Three speakers at 30 watts, one speaker at 10 watts and one speaker at 5 watts would require an amplifier rated at 105 watts minimum per channel.*

Amplifiers rated at significantly more than the minimum calculated power can be safely used so long as their line output is 70 volts. Do not use the ANX-70 on 100 volt line systems. In no case should the system volume be set to a level that produces distortion. Distortion typically occurs when an UNDERPOWERED amplifier is used.

## Technical Specifications

Frequency Range	80 Hz - 20 kHz (-10 dB)
Suggested Amplifier Power	See note below*
Nominal Coverage	105° x 105°
Nominal Sensitivity	86 dB SPL, 1W @ 1 m (3.3ft)
Maximum SPL @ 1m	108 dB continuous peak pink noise, 103 dB continuous average pink noise, 100 dB continuous average music or speech
Crossover Type	First Order High-pass
Input Selection	70 V-line transformer taps @ 5W, 10W, and 30W 1/4" (6.0 mm) 8 $\Omega$
Transducers	
Low-Frequency	4" (100 mm) woven carbon fiber with treated cloth edge surround, 1" (25 mm) voice coil on aluminum former, magnetically shielded
High-Frequency	5/8" (10 mm) dome of PEI

Physical	
Enclosure Material	ABS
Grille	Painted perforated steel
Mounting	Use with SB-1BK Speaker stand bracket, SB-3BK wall mount bracket, SB-360BK swivel wall mount bracket, RM-1BK single rack mount kit, RM-12BK dual rack mount kit.
Dimensions (HWD)	5.25" x 8.375" x 9" (13.3 x 21.3 x 22.9 cm)
Net Weight (ea)	4.2 lbs/ 1.9 Kg



(Features & Specifications Subject To Change Without Notice)

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