

ABAR-1

Crestron Home® CAT5 Balanced Audio Receiver

The ABAR-1 is an active balanced-to-unbalanced audio converter designed to enable the connection of any Crestron Home® (CH) CAT5 Balanced Audio source to a conventional unbalanced stereo line-level input. It allows for extended wiring distances between the output of a “CH” compatible device, such as the Sonnex® Multiroom Audio Unamplified Expander (SWE-8), and the input of an amplifier or AV receiver.^[1]

SPECIFICATIONS

Audio

Frequency Response: 20Hz to 20kHz ±0.3dB
THD+N: 0.008%, 20Hz to 20kHz
S/N Ratio: 95dB, 20Hz to 20kHz A-weighted

Connectors

AUDIO IN: (1) 8-pin RJ45 female, shielded; “CH” CAT5 balanced audio input port;
Maximum Input Level: 4 Vrms;
Input Impedance: 20k Ohms;
Connects to any “CH” CAT5 balanced audio output port or bidirectional CAT5 balanced audio port ^[1]

AUDIO OUT: (2) RCA female;
Unbalanced stereo line-level audio output;
Maximum Output Level: 2 Vrms;
Output Impedance: 22 Ohms

PWR 12VDC 0.5A: (1) 2.5 x 5.5 mm DC power connector;
12 Volt DC power input;
PW-1205 or PWI-1215 power pack included

Indicators

PWR: (1) green LED, indicates operating power supplied via the external power pack

Power Requirements

Power Pack (US/North America): 120 Volts AC, 60 Hz (input), 0.5 Amps @ 12 Volts DC (output), model PW-1205 (included with ABAR-1)

Power Pack (International): 100-240 Volts AC, 50/60 Hz (input), 1.5 Amps @ 12 Volts DC (output), model PWI-1215 (included with ABARI-1)

Environmental

Temperature: 41° to 104°F (5° to 40°C)
Humidity: 10% to 90% RH (non-condensing)

Enclosure

Metal with black finish, surface mount box with (2) integral mounting flanges



Dimensions

Height: 3.20 in (82 mm)
Width: 2.73 in (70 mm)
Depth: 0.96 in (25 mm)

Weight

4.0 oz (114 g)

MODELS & ACCESSORIES

Available Models

ABAR-1: Crestron Home® CAT5 Balanced Audio Receiver, US/North America
ABARI-1: Crestron Home® CAT5 Balanced Audio Receiver, International

Included Accessories

PW-1205: Wall Mount Power Pack, 12VDC, 0.5A, 2.5mm, US/NA (Qty. 1 include with ABAR-1)
PWI-1215: Desktop Power Pack, 12VDC, 1.5A, 2.5mm, Universal (Qty. 1 included with ABARI-1)

Available Accessories

CBL Series: Crestron® Certified Interface Cables

Notes:

1. For connection between two “CH” devices, use high-quality CAT5 (or better) unshielded twisted-pair cable. The maximum cable length is 500 ft (152 m). All wire and cables are sold separately. CH (Crestron Home) signal extension technology is not compatible with Crestron AUD-EXT, Sonnex Link, DigitalMedia™ (DM®), or other CATx based signal extension technologies.

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This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/salesreps or by calling 800-237-2041.

The specific patents that cover Crestron products are listed online at: patents.crestron.com.

Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource.

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