

## xIO Bluetooth RCA-3.5

Dual-gang Bluetooth, RCA and 3.5mm Dante Endpoint



### Product Description

The Symetrix xIO Bluetooth RCA-3.5 is a flexible, dual-gang Dante endpoint providing the convenient combination of Bluetooth audio plus stereo RCA and 3.5mm audio I/O.

Using a modern, full-featured Bluetooth 5.0 chipset, the xIO Bluetooth RCA-3.5 offers extended range, a stable connection, and world-class audio quality. The stereo RCA and 3.5mm analog audio I/O with high quality analog gain control allow convenient connection of user supplied devices.

Available in black or white, the xIO Bluetooth RCA-3.5 has a clean, sleek design and is compatible with standard dual-gang US wall boxes with Decora faceplates.

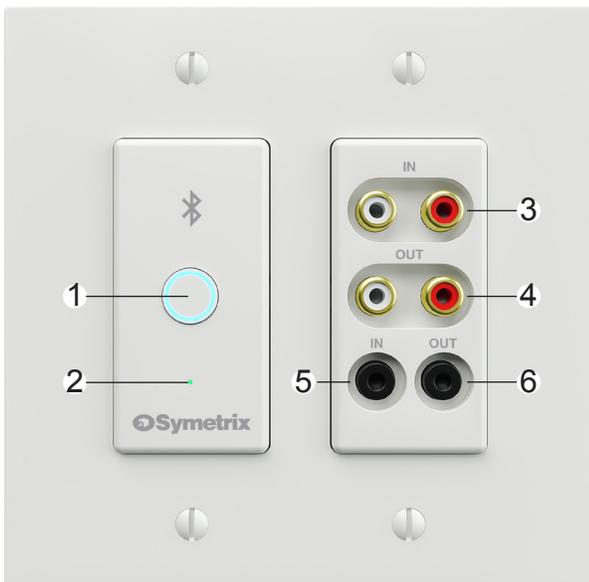
Perfect for Conferencing, Hospitality, Education, House of Worship, or Fitness applications The IP control and PoE power simplify installation by allowing a single cable connection to a PoE enabled network switch. The xIO Bluetooth RCA-3.5 may be configured to allow media-only connectivity, phone bridge connectivity, or both, while the flexible RCA and 3.5mm analog IO can be configured for full stereo operation or various mono sum combinations. All aspects of the device can be controlled using Symetrix remotes, SymVue touchscreens panels, or user devices.

The xIO Bluetooth RCA-3.5 is a fully integrated member of the Symetrix xIO family of Dante endpoints, allowing complete configuration, including Dante routing, from within Symetrix Composer software.



## Product Highlights

- Dual gang Bluetooth 5.0, stereo RCA, and stereo 3.5mm PoE Dante endpoint
- Stereo RCA and 3.5mm unbalanced analog inputs with high quality gain control, flexible routing and summing
- Simultaneous and independent stereo RCA and 3.5 mm unbalanced analog outputs
- 4 channels of Dante IO
- Selectable Bluetooth modes: Media only, Phone only, Both
- PIN code Bluetooth security
- Selectable single or multiple memorized Bluetooth pairings
- Powerful configuration from Composer with flexible control from Symetrix remotes, SymVue touchscreens panels, or user supplied devices
- Perfect for Conferencing, Hospitality, Education, House of Worship, or Fitness applications
- Available with black or white finishes
- Supports standard dual-gang Decora faceplates



### Front Panel Controls and Connections

1. Bluetooth Pair Button and Pair Status LED
2. Bluetooth Device Status LED
3. Stereo Unbalanced Gold Plated RCA Inputs
4. Stereo Unbalanced Gold Plated RCA Outputs
5. Stereo Unbalanced 3.5mm Inputs
6. Stereo Unbalanced 3.5mm Outputs





### Rear Panel Connections

1. RJ45 100 Base-T Ethernet port for Composer host control and power.

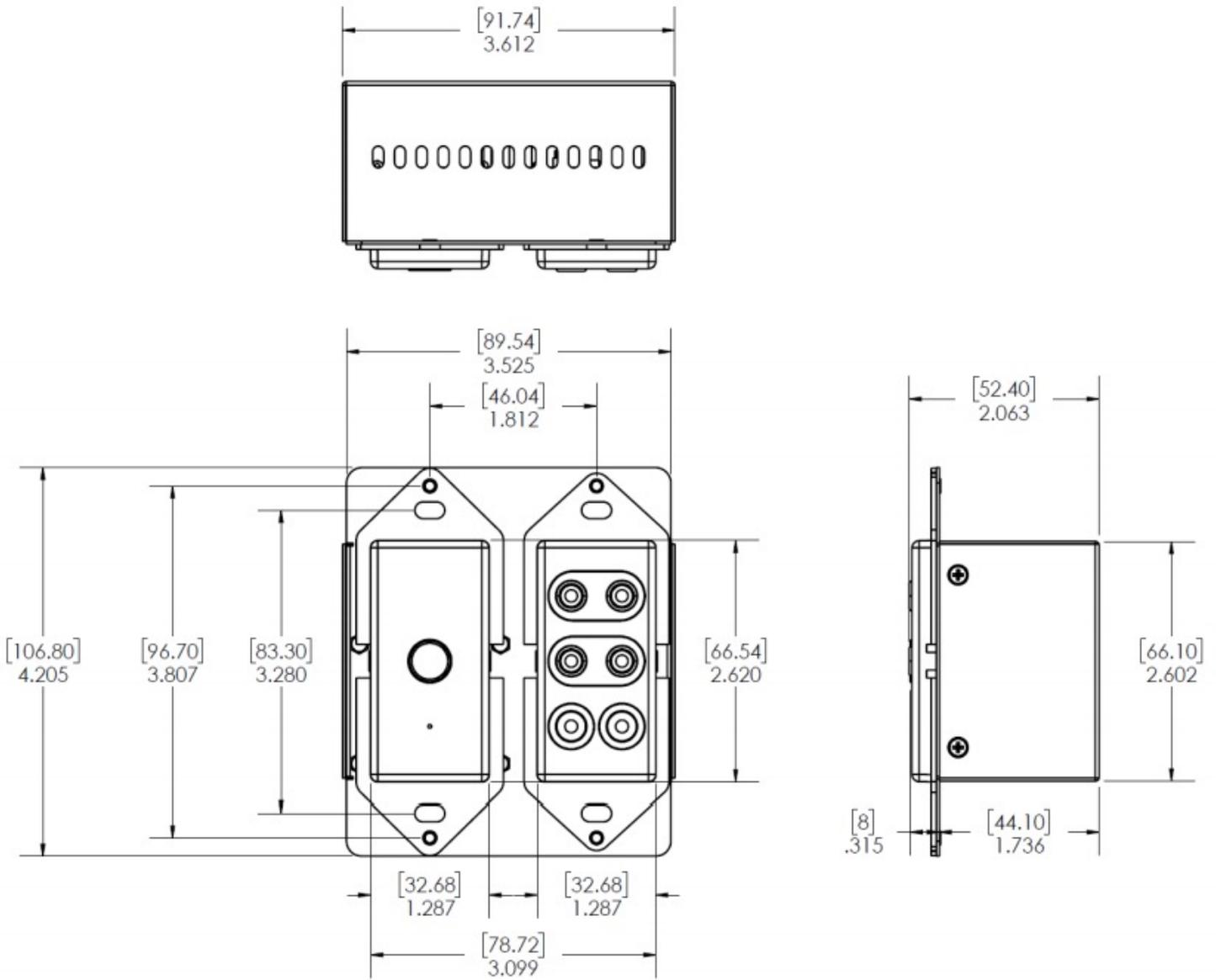
Specifications	
Form Factor	Dual-gang US wall mount.
Front Panel Control and Monitoring	Button: Pairing control Blue LED: Pairing Status Green LED: Device Status
Compatibility	Symetrix Composer™ 8.1 or later.
Ethernet Cable	Standard CAT5e or CAT6. Maximum device to device length: 100 meters.
Maximum Devices Per System	80 units per site file.

Mechanical Data			
Space Required	Dual-gang US Wall Box. Depth does not include connector allowance. Allow at least 3 inches additional clearance for rear panel connections. Additional depth may be required depending upon your specific wiring and connections.		
Power Requirement	PoE, IEEE 802.3af Class 0 compliant, 15.4 Watts maximum.		
Audio Performance	<table border="0"> <tr> <td style="vertical-align: top;"> <b>RCA/3.5mm Input Performance</b> <ul style="list-style-type: none"> <li>• Maximum Input Level                             <ul style="list-style-type: none"> <li>• +12 dBu, +10 dBV</li> </ul> </li> <li>• Frequency Response                             <ul style="list-style-type: none"> <li>• 20Hz - 20kHz, ± 0.5 dB</li> </ul> </li> <li>• THD+N                             <ul style="list-style-type: none"> <li>• &lt;0.005% @ 0 dB gain, 1 kHz @ +4 dBu input level</li> </ul> </li> <li>• Crosstalk                             <ul style="list-style-type: none"> <li>• &lt;-93 dB @ 1 kHz</li> </ul> </li> <li>• SNR                             <ul style="list-style-type: none"> <li>• &gt;96 dB @ 1 kHz</li> </ul> </li> </ul> </td> <td style="vertical-align: top;"> <b>RCA/3.5mm Output Performance</b> <ul style="list-style-type: none"> <li>• Maximum Input Level                             <ul style="list-style-type: none"> <li>• +12 dBu, +10 dBV</li> </ul> </li> <li>• Frequency Response                             <ul style="list-style-type: none"> <li>• 20Hz – 20kHz, ± 0.1 dB</li> </ul> </li> <li>• THD+N                             <ul style="list-style-type: none"> <li>• &lt;0.005% @ 0 dB gain, 1 kHz @ +4 dBu output level</li> </ul> </li> <li>• Crosstalk                             <ul style="list-style-type: none"> <li>• &lt;-99 dB @ 1 kHz</li> </ul> </li> <li>• SNR                             <ul style="list-style-type: none"> <li>• &gt;103 @ 1 kHz</li> </ul> </li> </ul> </td> </tr> </table>	<b>RCA/3.5mm Input Performance</b> <ul style="list-style-type: none"> <li>• Maximum Input Level                             <ul style="list-style-type: none"> <li>• +12 dBu, +10 dBV</li> </ul> </li> <li>• Frequency Response                             <ul style="list-style-type: none"> <li>• 20Hz - 20kHz, ± 0.5 dB</li> </ul> </li> <li>• THD+N                             <ul style="list-style-type: none"> <li>• &lt;0.005% @ 0 dB gain, 1 kHz @ +4 dBu input level</li> </ul> </li> <li>• Crosstalk                             <ul style="list-style-type: none"> <li>• &lt;-93 dB @ 1 kHz</li> </ul> </li> <li>• SNR                             <ul style="list-style-type: none"> <li>• &gt;96 dB @ 1 kHz</li> </ul> </li> </ul>	<b>RCA/3.5mm Output Performance</b> <ul style="list-style-type: none"> <li>• Maximum Input Level                             <ul style="list-style-type: none"> <li>• +12 dBu, +10 dBV</li> </ul> </li> <li>• Frequency Response                             <ul style="list-style-type: none"> <li>• 20Hz – 20kHz, ± 0.1 dB</li> </ul> </li> <li>• THD+N                             <ul style="list-style-type: none"> <li>• &lt;0.005% @ 0 dB gain, 1 kHz @ +4 dBu output level</li> </ul> </li> <li>• Crosstalk                             <ul style="list-style-type: none"> <li>• &lt;-99 dB @ 1 kHz</li> </ul> </li> <li>• SNR                             <ul style="list-style-type: none"> <li>• &gt;103 @ 1 kHz</li> </ul> </li> </ul>
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Environmental	Ambient Operating Temperature: 0° - 40° C (32° - 104° F). Avoid prolonged exposure to direct sunlight or strong ultraviolet light.		
Dimensions	3.612 x 4.205 x 2.063 inches (91.74 x 108.80 x 52.40 mm)		
Weight	Product Weight: 0.65 lb (0.29 kg) Shipping Weight: 1.10 lb (0.5 kg).		



<p>Box Contents</p>	<ul style="list-style-type: none"> <li>• xIO Bluetooth RCA-3.5</li> <li>• Dual gang Decora® wall plate (black or white)</li> <li>• Four #6-32 x 5/8" Phillips Countersunk screws</li> <li>• Four #6-32 x 1/4" Slotted Oval Head screws (black or white)</li> <li>• Quick Start Guide</li> </ul>	
<p>Certifications and Compliance</p>	<p>Safety</p> <ul style="list-style-type: none"> <li>• UL/CSA/EN 62368-1</li> </ul> <p>EMC</p> <ul style="list-style-type: none"> <li>• FCC 15.107:2021, FCC 15.109:2021</li> <li>• ICES003:2020</li> </ul> <p>Environmental</p> <ul style="list-style-type: none"> <li>• RoHS</li> </ul>	<p>CE Radio Equipment Directive (RED):</p> <ul style="list-style-type: none"> <li>• EN 300 328 V2.2.2:2019</li> <li>• EN 301 489-1 v2.2.3:2019</li> <li>• EN 301 489-17 v3.2.4:2020</li> <li>• EN 55035</li> <li>• EN 55032</li> </ul>

### Dimensions in inches [mm]



## Architect & Engineering Specifications

The device shall mount in a standard U.S. dual-gang box and shall be compatible with standard Decora® dual-gang faceplates.

The device shall provide a 4 channel transmit and 4 channel receive network audio interface utilizing the Dante protocol and support AES67. The connector shall be 100 Base-T RJ45.

The device shall provide a wireless Bluetooth 5.0 Audio connection and support unidirectional stereo media streaming and bidirectional call bridging operating modes. The front panel shall provide a Bluetooth pairing button and LED indicators for Bluetooth Status and Device Status. The stereo Bluetooth audio channels shall be available to the Dante/AES67 network on transmit channels 1 and 2. The mono Bluetooth audio transmit channel when in call bridging operating mode shall be sourced from the Dante/AES67 network receive channel 1. Bluetooth mode, pairing, connection, security and transport controls shall be controllable via software.

The device shall provide two unbalanced RCA analog line inputs and an unbalanced 3.5mm TRS analog line input. Each input shall have summing, level, mute, and metering controllable via software. The configured analog inputs shall be available to the Dante/AES67 network on transmit channels 3 and 4.

The device shall provide two unbalanced RCA analog line outputs and an unbalanced 3.5mm TRS analog line output. Each output shall have level, mute, and metering controllable via software. The analog outputs shall be sourced from the Dante/AES67 network receive channels 1-4.

Audio conversion shall be 24-bit, 48 kHz and the Signal to Noise Ratio shall not be lower than 95 dB, with a maximum input level of +12 dBu and maximum output level of +12 dBu.

A designer software application shall be provided that operates on a Windows computer, with network interface installed, running Windows® 10 or higher operating system. Computer connection for configuration shall be via a hosting DSP unit's rear panel Ethernet connector that communicates with the devices via Dante.

The device shall be powered over Ethernet (PoE) by 802.3af Class 0 compliant source. The device shall meet UL/CSA/CE safety requirements and comply with CE and FCC Part 15 emissions limits. The device shall be RoHS compliant. The chassis shall be constructed of cold rolled steel.

The device shall be a Symetrix xIO Bluetooth RCA-3.5.

**All Specifications Subject to change.**

For more information on the xIO Bluetooth RCA-3.5, please visit [www.symetrix.co](http://www.symetrix.co)

