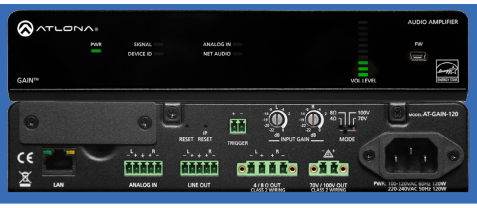
Mira Connect Integration

Atlona GAIN Amplifiers

Audio Amplifier



The Atlona GAIN-120 and -60 amplifiers can be controlled with Mira Connect™, Aveo Systems' smart control system.

Functionality Supported

Mira Connect supports volume and mute control of the output channel. The amplifier's output level will be controlled by the room volume control of Mira Connect.

Models Supported

AT-GAIN-120 and AT-GAIN-60.

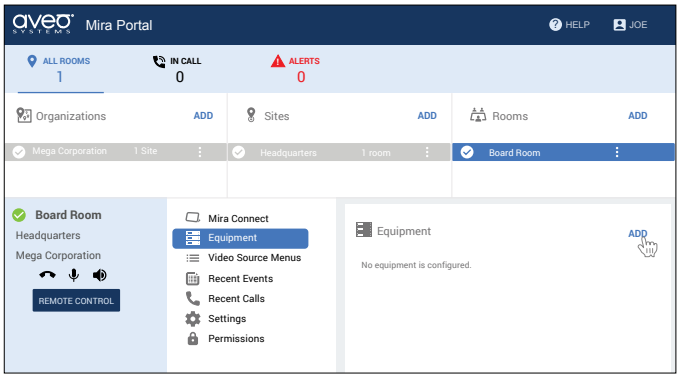
Integration Steps

To integrate an Atlona Amplifier with Mira Connect, follow these steps:

Step 1

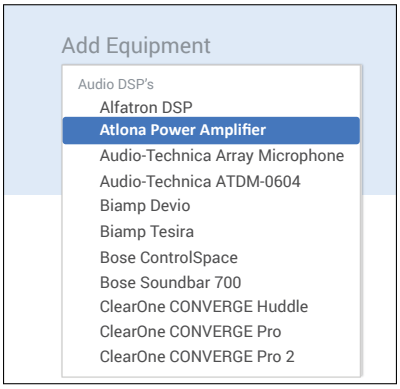
Add the device

Navigate to the desired room in Mira Portal (https://mira.aveosystems.com), select the equipment heading, and then click **ADD**.



Select the Atlona Power Amplifier from the equipment list, select the desired model, and enter the IP address of the device, or of the Global Cache IP2SL device if using serial control, and click **Add Equipment**.

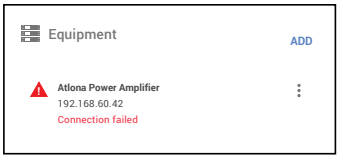
If you don't have the Atlona Amplifier yet, you can enable 'Simulate Equipment' to use the built-in emulator while setting up the rest of the system.



Note: Set a static IP address on the device or Global Cache IP2SL or use a reserved DHCP address on your DHCP server so the IP address of the device doesn't change over time.

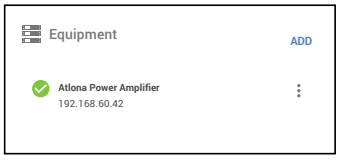
Mira Connect will connect to the Atlona Amplifier at the specified IP address and show status of the connection and control points.

If the Atlona Amplifier is not detected at the specified IP address, a ⚠ *Connection failed* message will be shown. To resolve this issue, confirm the IP address and that Mira Connect's network connection can reach the device.



If using a Global Cache IP2SL device, confirm the baud rate and cable pin-out as described later in this document. Edit the equipment by clicking ⋮ and update the IP address of the device.

If the Atlona Amplifier is found at the specific IP address, the ✓ will appear indicating the device is being controlled by Mira Connect.



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Room Volume Control

Mira Connect's volume control uses the output gain range corresponding to +100 to 20 of the device's volume range. Setting the Mira Connect room volume to its minimum (volume 20 of the device) will mute the output gain channel - the volume slider will turn red - preventing audio from being heard in the room.

Software Versions

Tested with AT-GAIN-120.

Connection Interface

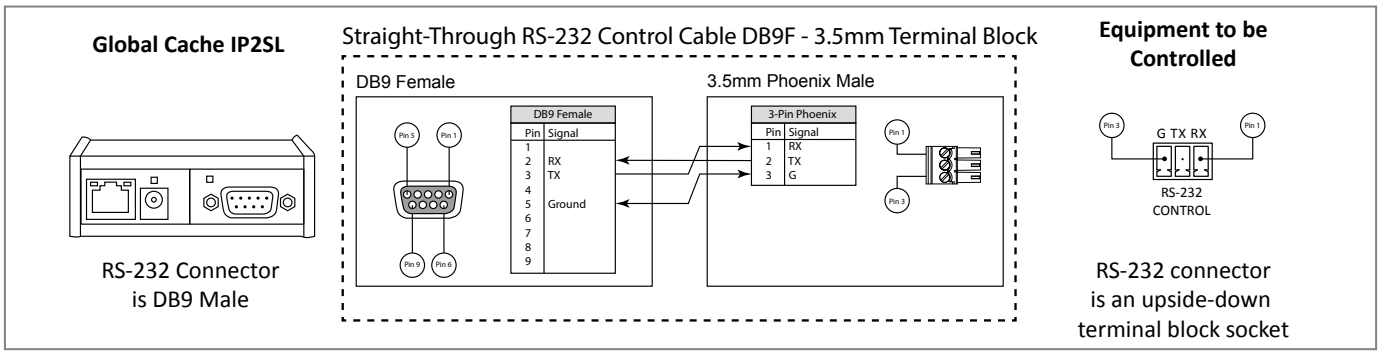
The Atlona Amplifier is controlled over telnet using port 23.

The AT-GAIN-60 also supports RS-232 control with a Global Caché network interface using TCP, port 4999. Set a static IP address, or use a 'reserved' lease on a DHCP server to ensure the IP address of the Global Caché IP2SL does not change over time.

The default RS-232 baud rate for the AT-GAIN-60 is 115,200 baud. Since the default baud rate of the Global Caché IP2SL interface is 19,200 baud, you **must** change the baud rate on the Global Caché IP2SL interface to 115,200 or change the baud rate on the AT-GAIN-60 to match the Global Caché.

See the Global Caché integration guide for how to change the baud rate and how to set a static IP address.

RS-232 requires an RS-232 9-pin Female to 3-pin terminal block connection as shown in the following figure.



For more information please contact our Sales Department at sales@aveosystems.com.

About Aveo Systems

Aveo Systems is a leading provider of intuitive and easy-to-use solutions for audio, video, and collaboration, improving how systems are used and managed by customers worldwide.

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