

Setting Up a Standalone Node as a Distribution Amplifier

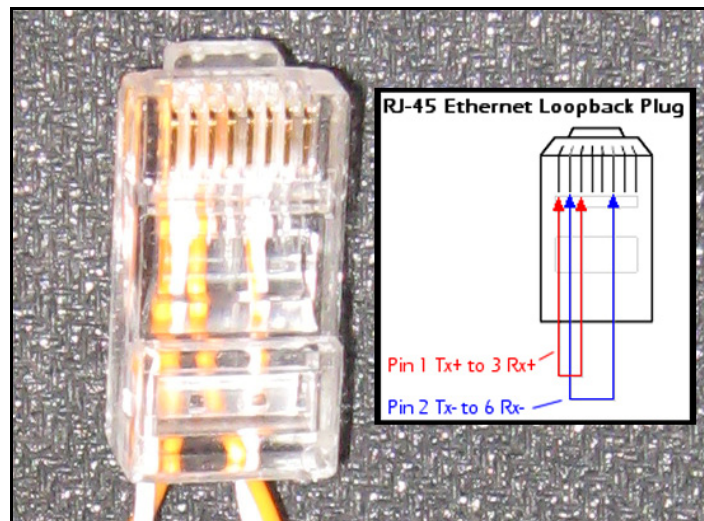
13 November 2009
Cleveland Ohio, USA

This bulletin describes the method of configuring an Axia Node as a standalone device being used as a point-to-multipoint routing device, much like a distribution amplifier. It also assumes that you will have a PC available to configure the unit, after which that PC or any network connection will be removed to operate the device as a standalone DA.

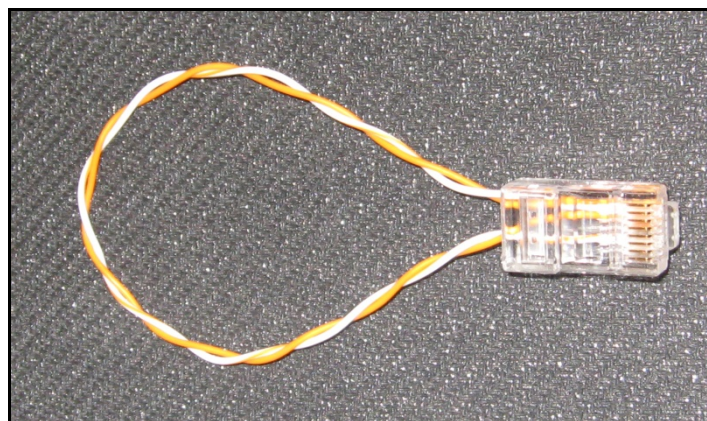
The Loopback Connector

It will be necessary to make an Ethernet loopback adaptor to allow the Node to “think” it is connected to a network. This is quite easy to make and only requires an RJ45 connector and a short amount of twisted pair cable (no more than 6”).

Connect the twisted pair as shown in this image:



And the final connector will look like this:



Configuration

The Node will require a network connection or crossover cable with access to a PC for configuration. The configuration will be quite similar to when a Node is connected to a larger network except the number of sources that are available for use are only those supplied to the input of that same Node. Starting with the source page of the Node, connect the sources and assign the appropriate names, channel numbers, and gain settings (as needed) as seen below:

Source				Streams	Inputs
#	Name:	Channel:	Shareable:	Mode:	Gain [dB]:
1	Analog SRC 1	1001	No	Standard Stereo	0.0
2	Analog SRC 2	1002	No	Standard Stereo	5.5
3	[NO INPUT]		No	Disabled	0.0
4	[NO INPUT]		No	Disabled	0.0
5	[NO INPUT]		No	Disabled	0.0
6	[NO INPUT]		No	Disabled	0.0
7	[NO INPUT]		No	Disabled	0.0
8	[NO INPUT]		No	Disabled	0.0

[Show source allocation status](#)

Apply

As you can see, we have connected only two sources to this Node, all others are left unconnected and without configuration. Once these settings are applied, navigate to the destination page of the Node. On this page, you will apply the destinations that you want on each of the outputs. In this example, we have applied "Analog SRC 1" to destination 1 – 4 and "Analog SRC 2" to destination 5 – 8:

Destinations				Outputs	
#	Name:	Channel:	Type:	Load:	Gain [dB]:
1	DST 1 - SRC 1	1001 <Analog Source 1@Node>	From source	hi-Z (default)	0.0
2	DST 2 - SRC 1	1001 <Analog Source 1@Node>	From source	hi-Z (default)	0.0
3	DST 3 - SRC 1	1001 <Analog Source 1@Node>	From source	hi-Z (default)	0.0
4	DST 4 - SRC 1	1001 <Analog Source 1@Node>	From source	hi-Z (default)	0.0
5	DST 5 - SRC 2	1002 <Analog Source 2@Node>	From source	hi-Z (default)	0.0
6	DST 6 - SRC 2	1002 <Analog Source 2@Node>	From source	hi-Z (default)	0.0
7	DST 7 - SRC 2	1002 <Analog Source 2@Node>	From source	hi-Z (default)	0.0
8	DST 8 - SRC 2	1002 <Analog Source 2@Node>	From source	hi-Z (default)	0.0

Apply

You can assign any combination of inputs to outputs as needed. Once you have applied these settings, remove the network connection or crossover cable to the PC and connect the Loopback Connector built above; the front panel meters and outputs will reflect your settings and the unit is now ready for operation.

You can reference the Node manuals for more detailed configuration instructions. These are found on our website at: <http://axiaaudio.com/manuals> .

If you have any further questions, please contact Axia Support by email at support@AxiaAudio.com, call our main office at +1 (216) 241-7225, or our 24/7 support hotline at +1 (216) 622-0247