



# unIFY Control Panel

## Axon A8Mio Configuration



QSC, LLC • 1675 MacArthur Boulevard • Costa Mesa, CA 92626  
Ph: 800/854-4079 or 714/957-7100 • Fax: 714/754-6174

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The configuration form for the Axon A8Mio is organized into three key sections:

- Audio Config - I/O configuration and mixer setup as well as audio settings such as phantom power and gain
- AES67 Config - AES67 status and settings such as transmit and receive stream configuration
- Device Config - Ethernet port setup and other device specific settings

Checking **Identify** in the "Device Info" section will make the PWR and NET LED's all blink white slowly to easily find the device when multiple units are in an installation. Unchecking this control will stop the ID mode.

## Audio Config

### Analog Inputs

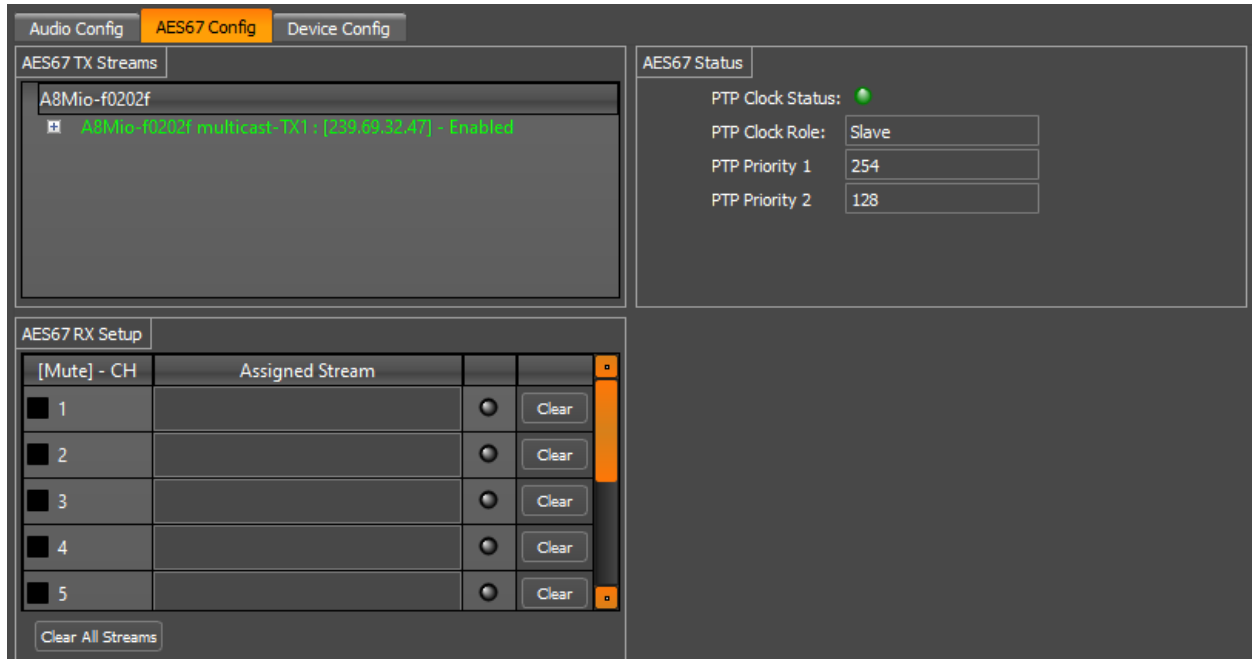
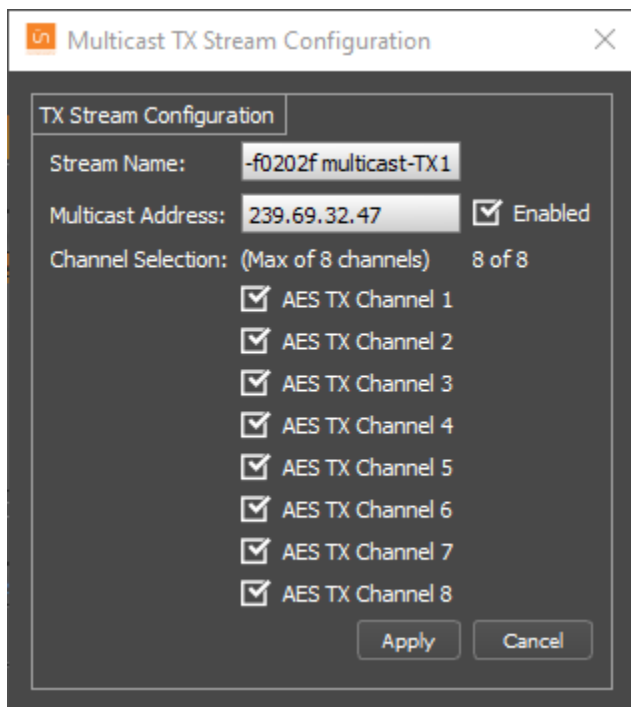
- **+48V** - Turns on or off phantom power for that input
- **Line / Mic** - Sets initial base level of input
- **Mute** - Mutes the audio on this input
- **Preamp Gain** - Adjustable preamp gain from +34dB to -8dB
- **Preamp Gain Meter** - Meter showing current level post gain control level

### Analog Outputs

- **Line / Mic (Out 1/2)** - Sets base level of output to be "Line" or "Mic" level

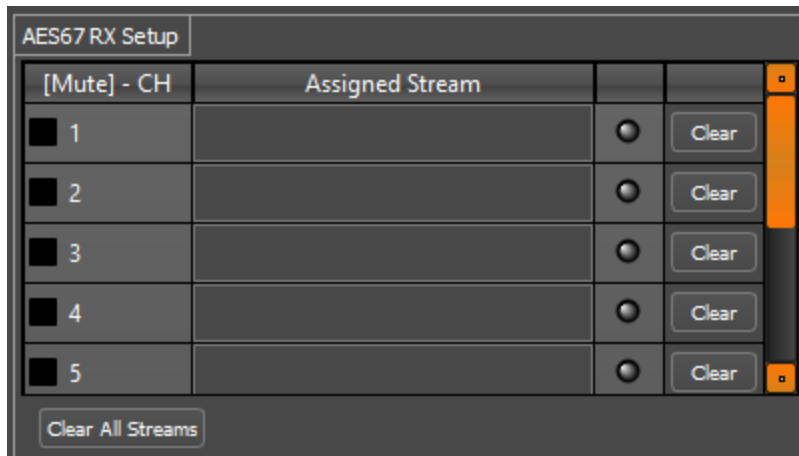
- **Mute** - Mutes the audio on this input
- **Digital Gain** - Apply a digital gain to the input signal as it passes to the output. Value applied can be between -126dB and 0dB.
- **Digital Gain Meter** - Meter showing current level pre/post gain control level based on selected meter setting

## AES67 Config

## AES67 TX Streams

Used to configure the transmit streams. The list shows basic details about streams. To edit a stream, right-click on it and select either "Enable/Disable" to toggle the state or choose "Configure"



[Mute] - CH	Assigned Stream		
<input type="checkbox"/> 1		<input type="radio"/>	Clear
<input type="checkbox"/> 2		<input type="radio"/>	Clear
<input type="checkbox"/> 3		<input type="radio"/>	Clear
<input type="checkbox"/> 4		<input type="radio"/>	Clear
<input type="checkbox"/> 5		<input type="radio"/>	Clear

Clear All Streams

### AES67 Rx Setup

The table shows the AES67 receiver setup for each channel. To configure a channel, use the AES67 stream list and expand the required stream to show its individual channels. Drag the desired channel in the stream and drop it on the desired receiver channel. The indicator shows the state of the stream. If the indicator is "Off" then audio is not currently routed on the device. If it's red there is some sort of stream issue. If it's

green then the stream is routed and OK.



AES67 Status

PTP Clock Status: ●

PTP Clock Role:

PTP Priority 1:

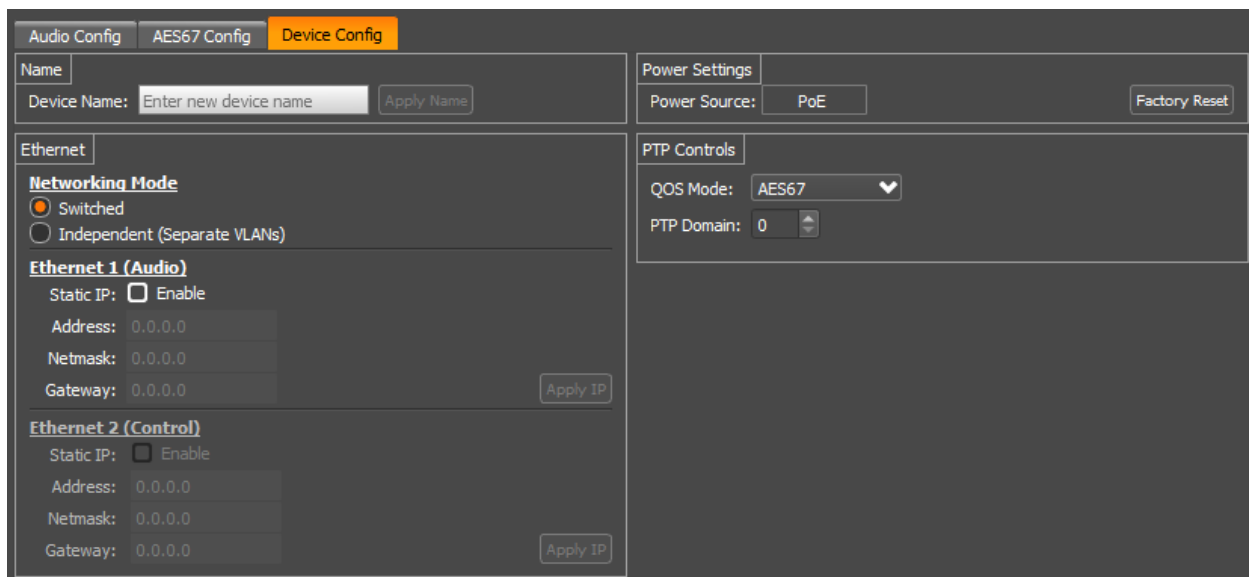
PTP Priority 2:

### AES67 Status

- **PTP Clock Status** - Indicates if the device is sync'd to the main system clock. A green indicator shows that it is
- **PTP Clock Role** - Indicates if the device has been elected to be a clock master or is just a clock slave
- **Priority 1/2** - Indicate what the

device priorities are set too which form part of the clock master election process

## Device Config



Audio Config | AES67 Config | **Device Config**

Name

Device Name:

Power Settings

Power Source:

Ethernet

**Networking Mode**

Switched

Independent (Separate VLANs)

**Ethernet 1 (Audio)**

Static IP:  Enable

Address:

Netmask:

Gateway:

**Ethernet 2 (Control)**

Static IP:  Enable

Address:

Netmask:

Gateway:

PTP Controls

QOS Mode:

PTP Domain:



## Device Name

Set a new name for the device (current name is shown in the "Device Info" section. Type the new name and click "Apply"

## Ethernet

Set the mode for the external Ethernet ports. Selecting **Switched** configures both ports to be on the same network. Selecting **Independent** configures the ports to be on separate networks with "Ethernet 1" being the audio port and "Ethernet 2" being the control port.

## Power Settings

The "Power Source" field is read only to indicate where the device is currently deriving it's own power from. Options are "Aux" or "PoE".

## PTP Controls

**QoS Mode** - Q-LAN/AES67 audio and Dante™ audio require differing QoS settings and switches can only be configured to deal with traffic QoS in one way. In order to make sure that QoS settings on the switch can apply equally to both Q-LAN/AES67 and Dante™ traffic, the QoS mode can be specifically selected. Use the following table to select an appropriate value.

Network Traffic	QoS Setting
Q-LAN only	PTPV2:46 Audio:34 (AES67)
Q-LAN + AES67	PTPV2:46 Audio:34 (AES67)
Dante™ only	PTPV2:56 Audio:46 (Dante™)
Dante™ + Q-LAN	PTPV2:56 Audio:46 (Dante™)
Dante™ + Q-LAN + AES67	PTPV2:56 Audio:46 (Dante™)

**PTP Domain** - Sets the desired PTP clock domain.