NOTE 37
Q-SYS Iyo AES67 Setup

This document provides a brief overview of integrating Q-SYS AES67 devices with AudioScience Iyo Dante products, utilizing Q-SYS Designer with a Q-SYS Core 110f. Understanding of Q-SYS Designer and AES67 Networking is assumed.

NOTE: Advanced AES67 customization is not yet supported on the Iyo. The Q-SYS Core and Iyo must be members of the same network sub-net and Q-SYS Core AES67 Transmitter transport IP addresses must be in the default range (239.69.x.x).

1 Add Iyo Dante plugin to Q-SYS Designer

From Q-SYS Designer, open Asset Manager (Tools > Show Q-SYS Asset Manager). Search for and install the AudioScience Iyo Dante plugin.

From the “Plugins” grouping in the bottom right corner, find and drag “Iyo Dante” onto the canvas.

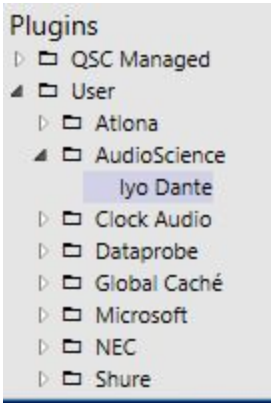

Figure 1 Adding Iyo Dante Plugin

2 Iyo Model Type Selection

Click on the Iyo plugin and navigate to the ‘Properties’ window in Designer. Use the ‘Model Type’ dropdown to select the Iyo version that matches your device.

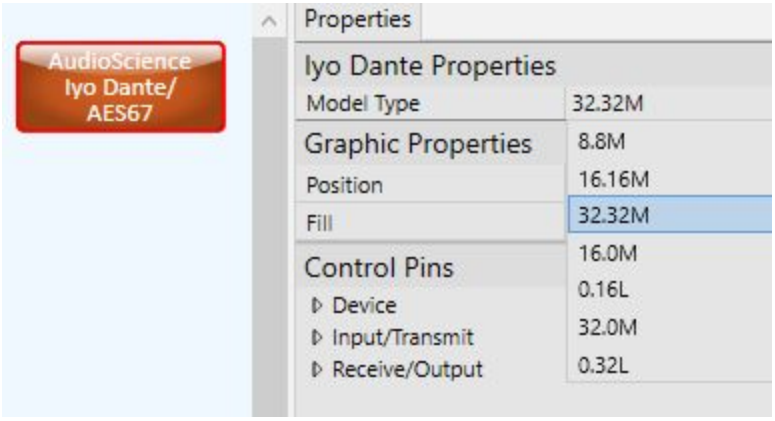

Figure 2 Iyo Dante plugin Model Type selection

3 Iyo Dante plugin overview

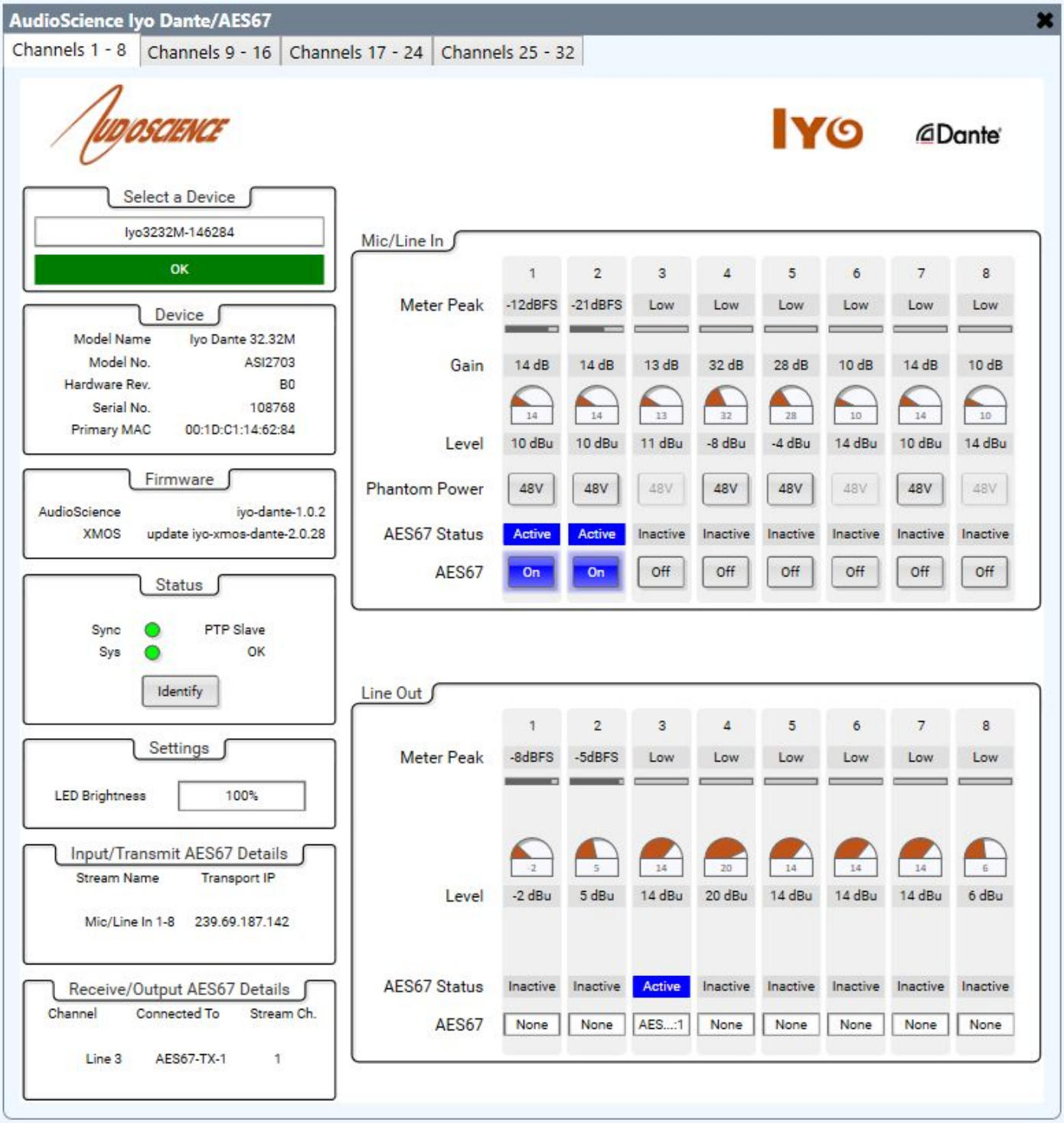

Figure 3 Iyo Dante Plugin

4 Connect to an Iyo

With the Core running, navigate to the 'Select a Device' grouping and click on an Iyo from the dropdown list to establish a connection to the device. **NOTE: only devices of the type selected in the Model Type Properties field (see section 2) will appear in this list.**

Figure 4 Device Connection

The status bar below the device selection dropdown indicates the current connection status between the Core and the Iyo.

Figure 5 Device Connecting

Figure 6 Device Connection OK

Figure 7 Device Connection Error

5 Connecting Q-SYS Mic/Line In to Iyo Receive/Output

- In Q-SYS Designer, route a Mic/Line In component to an AES67 Transmitter component

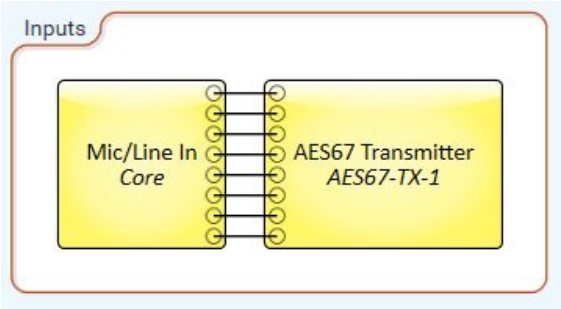

Figure 8 QSC Input and AES67 Transmitter Components

- Click “Enable” in the AES67 Transmitter configuration window

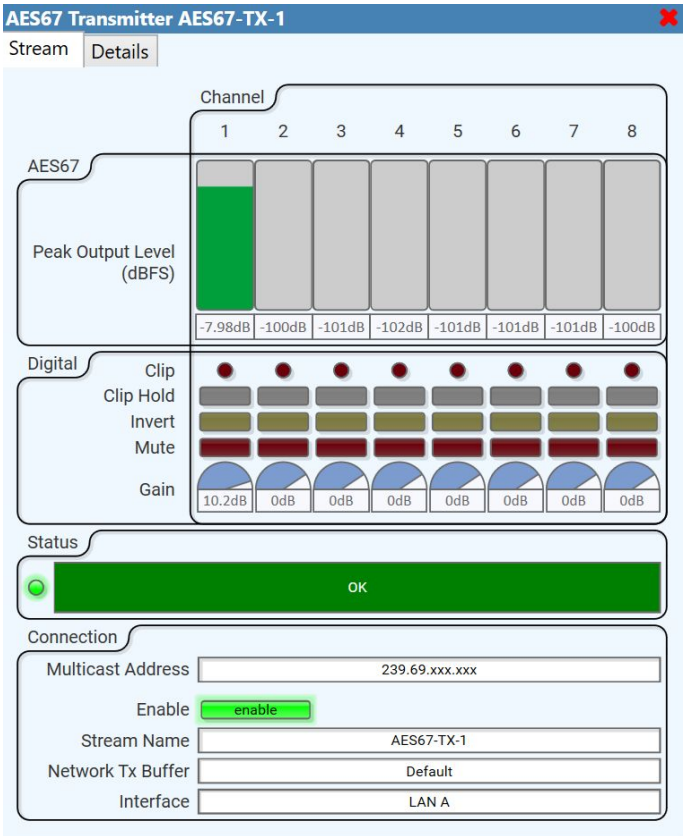

Figure 9 QSC AES67 Transmitter Configuration

- In the Iyo plugin, search for the QSC Transmitter Stream Name (e.g. AES67-TX-1) and channel in the AES67 dropdown list. Select the desired QSC Transmit channel to route the QSC Input channel to the chosen Iyo Receive/Output channel To unsubscribe from this channel, select “None”

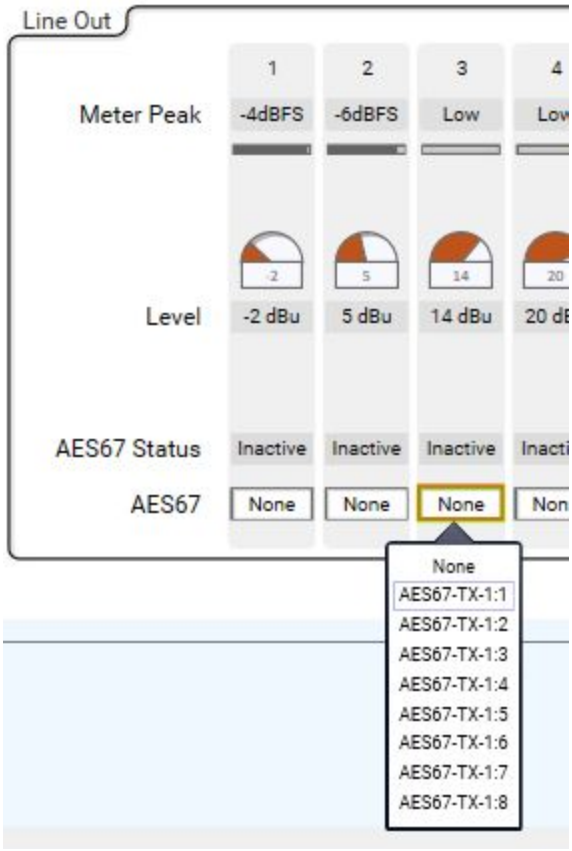

Figure 10 Iyo Receive/Output AES67 Selection

- When the connection is established, the Receive/Output channel’s AES67 Status label updates and the subscription details appear in the Receive/Output AES67 Details grouping

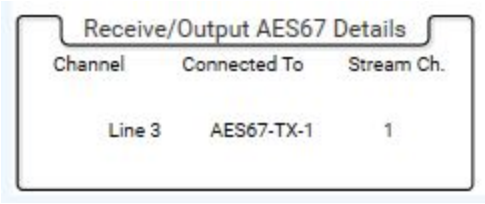

Figure 11 Active AES67 Receive/Output connection

6 Connecting Iyo Input/Transmit to Q-SYS Output

- In the Iyo plugin, stream Iyo input channels by clicking the AES67 toggle button (see Figure 11). Iyo Input channels are configured to stream via 8-channel flows, e.g. “Mic/Line 1 to 8”, “Mic/Line 9 to 16”, etc.

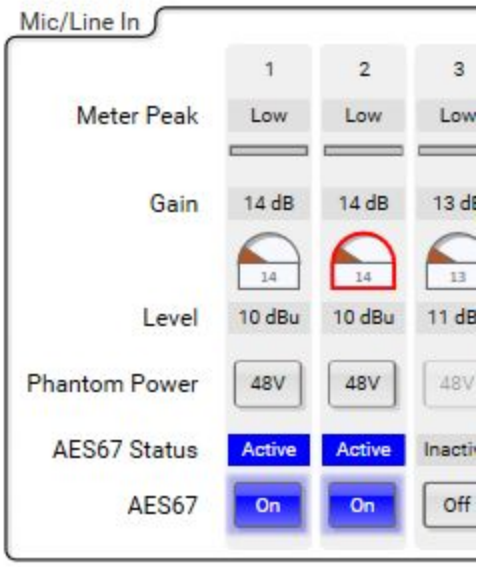

Figure 12 Iyo Input/Transmit AES67 Setup

- The Input/Transmit AES67 details grouping displays the transport IP addresses of active flows

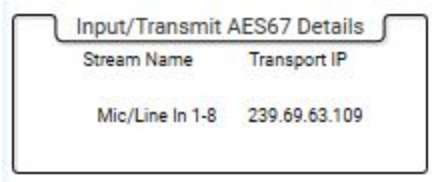

Figure 13 Iyo Input/Transmit AES67 Setup

- In Q-Sys Designer, route an AES67 Receiver component to an Output component

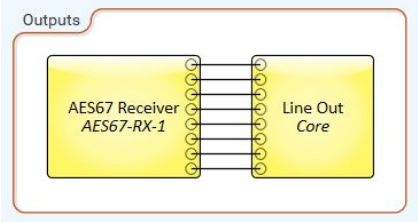

Figure 14 QSC AES67 Receiver and Output Components

- In the AES67 Receiver configuration window, choose the Iyo Transmit Stream Name (e.g. Iyo1616M-146294 : Mic/Line 1-8) from the Stream Name dropdown list

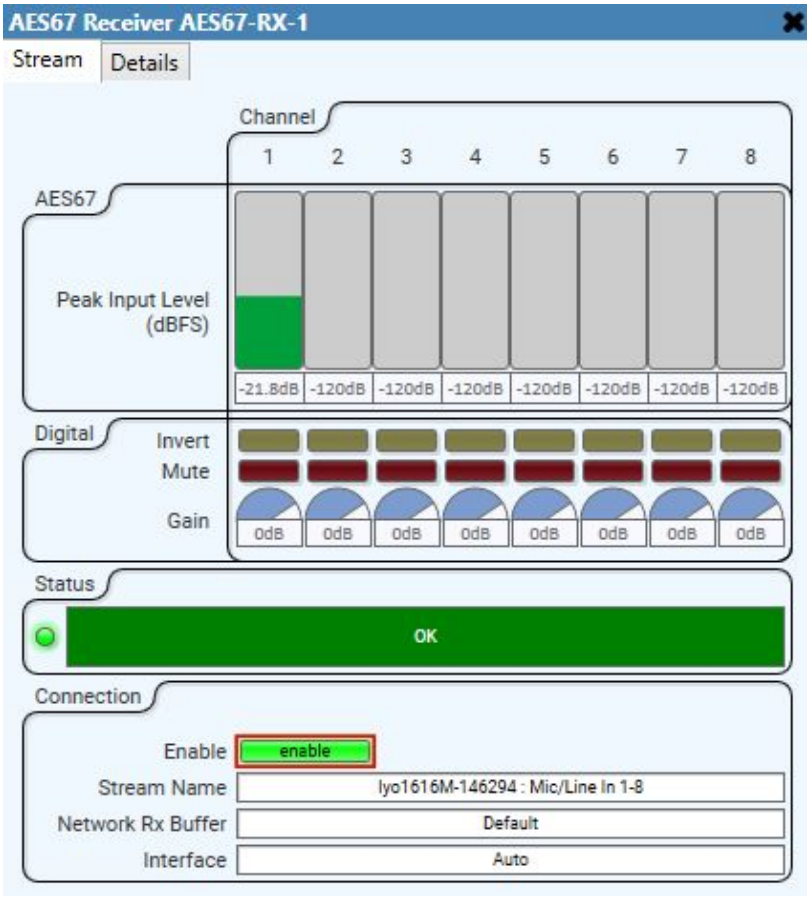

Figure 15 QSC AES67 Receiver Configuration