

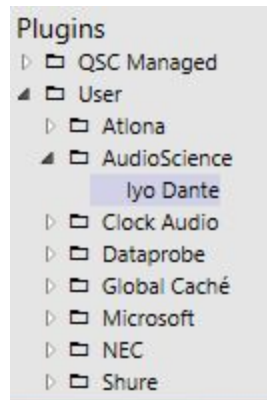
This document provides a brief overview of integrating Q-SYS AES67 devices with AudioScience Iyo Dante products, utilizing Q-SYS Designer with a Q-SYS Core 110f. Understanding of Q-SYS Designer and AES67 Networking is assumed.

**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.

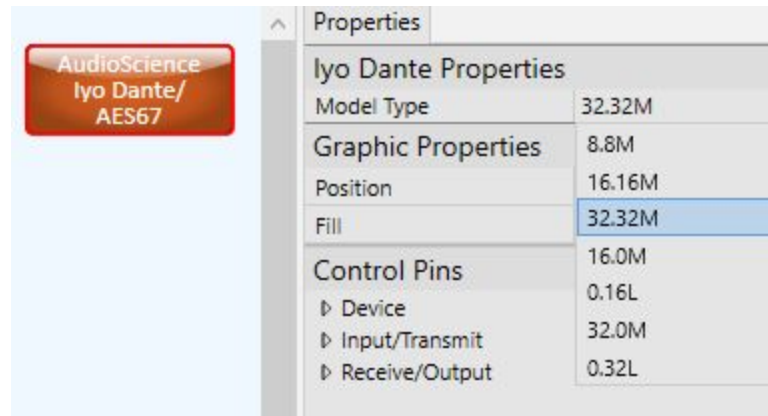


Figure 2 Iyo Dante plugin Model Type selection

### 3 Iyo Dante plugin overview

**AudioScience Iyo Dante/AES67**

Channels 1 - 8 | Channels 9 - 16 | Channels 17 - 24 | Channels 25 - 32

**Select a Device**  
Iyo3232M-146284  
OK

**Device**  
Model Name: Iyo Dante 32.32M  
Model No.: ASI2703  
Hardware Rev.: B0  
Serial No.: 108768  
Primary MAC: 00:1D:C1:14:62:84

**Firmware**  
AudioScience: iyo-dante-1.0.2  
XMOS: update iyo-xmos-dante-2.0.28

**Status**  
Sync: ● PTP Slave  
Sys: ● OK  
Identify

**Settings**  
LED Brightness: 100%

**Input/Transmit AES67 Details**  
Stream Name: Transport IP  
Mic/Line In 1-8: 239.69.187.142

**Receive/Output AES67 Details**  
Channel: Line 3 | Connected To: AES67-TX-1 | Stream Ch.: 1

**Mic/Line In**

	1	2	3	4	5	6	7	8
Meter Peak	-12dBFS	-21dBFS	Low	Low	Low	Low	Low	Low
Gain	14 dB	14 dB	13 dB	32 dB	28 dB	10 dB	14 dB	10 dB
Level	10 dBu	10 dBu	11 dBu	-8 dBu	-4 dBu	14 dBu	10 dBu	14 dBu
Phantom Power	48V	48V	48V	48V	48V	48V	48V	48V
AES67 Status	Active	Active	Inactive	Inactive	Inactive	Inactive	Inactive	Inactive
AES67	On	On	Off	Off	Off	Off	Off	Off

**Line Out**

	1	2	3	4	5	6	7	8
Meter Peak	-8dBFS	-5dBFS	Low	Low	Low	Low	Low	Low
Level	-2 dBu	5 dBu	14 dBu	20 dBu	14 dBu	14 dBu	14 dBu	6 dBu
AES67 Status	Inactive	Inactive	Active	Inactive	Inactive	Inactive	Inactive	Inactive
AES67	None	None	AES...:1	None	None	None	None	None

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

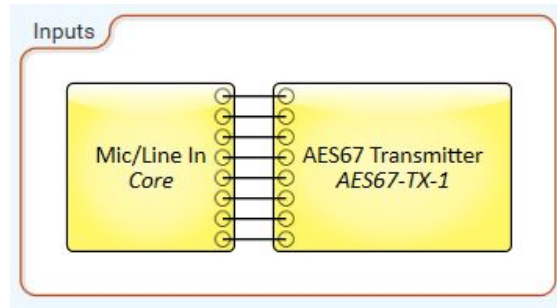


Figure 8 QSC Input and AES67 Transmitter Components

- Click “Enable” in the AES67 Transmitter configuration window

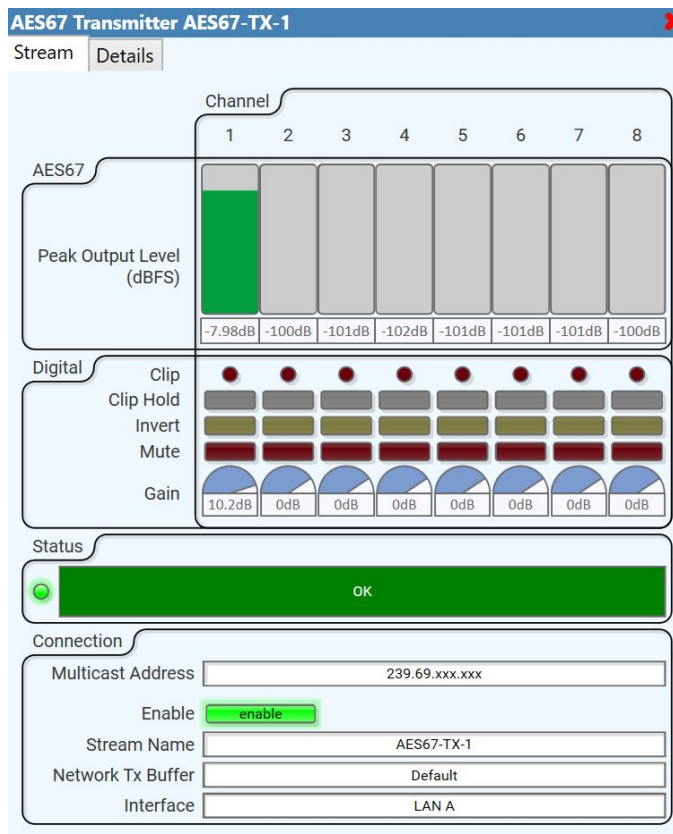


Figure 9 QSC AES67 Transmitter Configuration

## Q-SYS Iyo AES67 Setup

- 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"

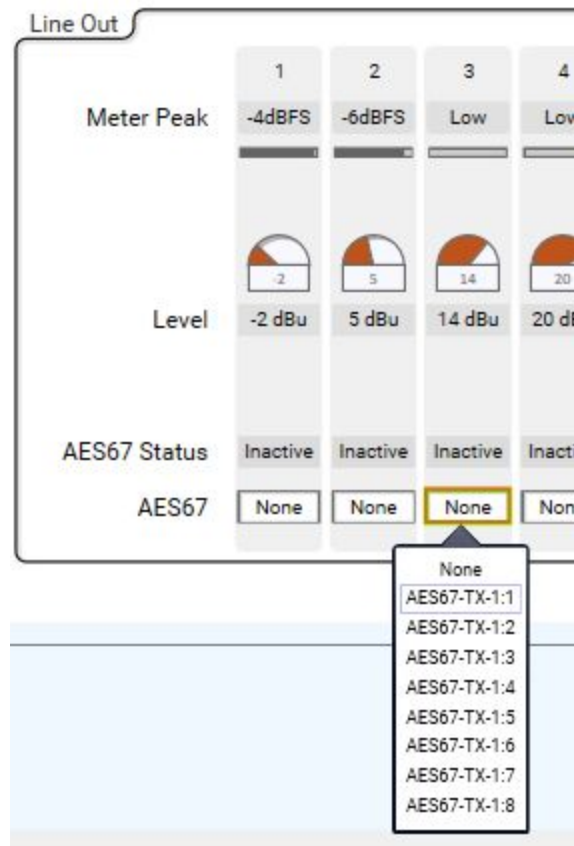


Figure 10 Iyo Receive/Output AES67 Selection

- 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

The screenshot shows a table titled 'Receive/Output AES67 Details' with three columns: Channel, Connected To, and Stream Ch. The table contains one row of data: Line 3, AES67-TX-1, and 1.

Channel	Connected To	Stream Ch.
Line 3	AES67-TX-1	1

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.

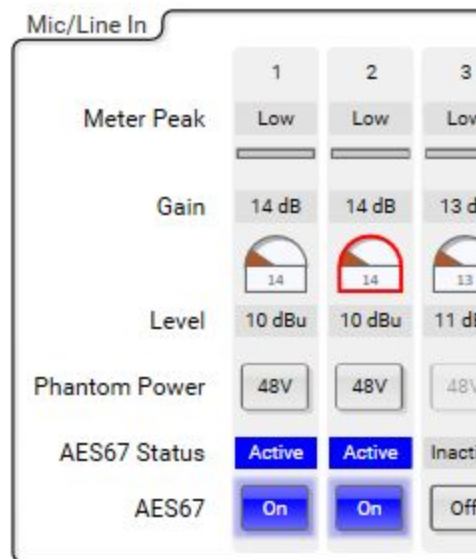


Figure 12 Iyo Input/Transmit AES67 Setup

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

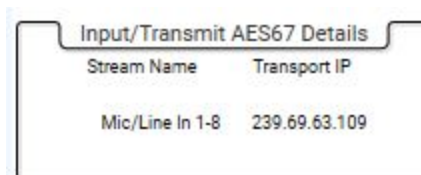


Figure 13 Iyo Input/Transmit AES67 Setup

## Q-SYS Iyo AES67 Setup

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

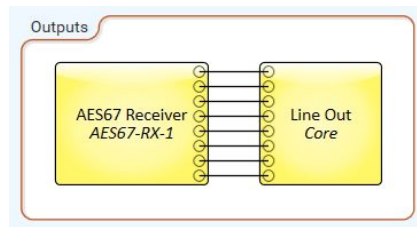


Figure 14 QSC AES67 Receiver and Output Components

- 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

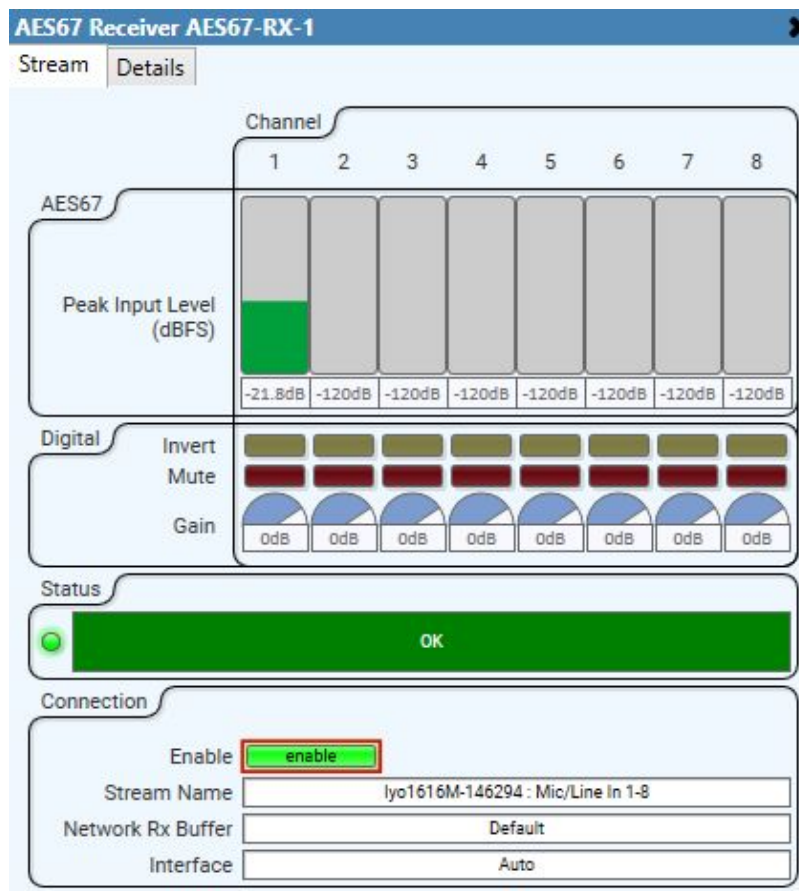


Figure 15 QSC AES67 Receiver Configuration