

# SAVANT





## Savant® IP Audio Single In and Out [PAV-AIO1C-xx]

### Quick Reference Guide

#### Box Contents

- (1) IP Audio Single In and Out (PAV-AIO1C-xx)
- (1) Install Kit (075-0222-xx)
  - (2) Mounting Brackets (071-0494-xx)
  - (4) Mounting Screws #6x1/4 PH Flat (039-0143-xx)
- (1) Product Regulatory Statement (009-1950-xx)

#### Specifications

| Environmental             |  |   |   |   |
|---------------------------|--|---|---|---|
| Temperature               | 32° to 104° F (0° to 40° C)  |   |   |   |
| Humidity                  | 10% to 90% Relative Humidity (non-condensing)  |   |   |   |
| Dimensions and Weights    |  |   |   |   |
|                           | Height   | Width   | Depth   | Weight  |
| Device                    | 1.3 in<br>(3.23 cm)  | 3.0 in<br>(7.62 cm)   | 4.1 in<br>(10.44 cm)  | 0.55 lbs<br>(0.25 kg)   |
| Shipping                  | 3 in<br>(7.62 cm)  | 9.5 in<br>(24.13 cm)  | 10 in<br>(25.4 cm)  | 1.2 lbs<br>(0.54 kg)  |
| Power                     |  |   |   |   |
| Power of Ethernet (PoE)   | IEEE 802.3af (PoE Class 3)   |   |   |   |
| Network                   |  |   |   |   |
| Supported Standard        | IEEE 802.1 AVB/TSN switches<br>IEEE 802.3 Ethernet   |   |   |   |
| Transmission Rate         | 10/100 Mbps  |   |   |   |
| Regulatory                |  |   |   |   |
| Safety and Emissions      | FCC Part 15<br> | CE<br> | C-Tick<br> | UKCA<br> |
| RoHS                      | Compliant  |   |   |   |
| Minimum Supported Release |  |   |   |   |
| Savant OS                 | da Vinci 8.10.1  |   |   |   |

#### IMPORTANT INFO!

- When designing the PAV-AIO1C into a project, both inputs can be utilized but only one can be active at once. In addition the AIO1C inputs cannot be routed to it's output though the output and 1 input can be in use at the same time.
- This device does not support local input to output routing. Audio signals input locally can be sent to the IP Audio (AVB/TSN) network, and signals received from the IP Audio network can be output locally.
- This device is not supported as a clock master in a Savant AVB network.

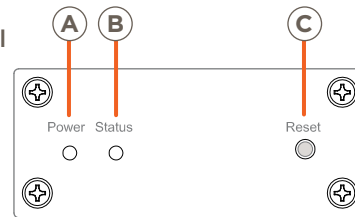
#### Network Configuration

For networking guidelines and recommendations, refer to the **Savant Device Networking Guidelines** available on the [Savant Community Knowledge Base](#).

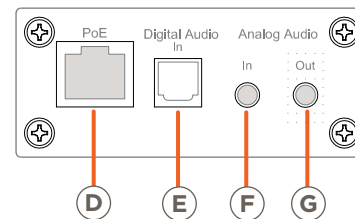
The PAV-AIO1C requires a Audio Video Bridging (AVB) network.

#### Device

##### Front Panel



##### Rear Panel



|   |               |  |
|---|---------------|--|
| A | Power LED     | <b>Green:</b> System has power, operating normally.  |
|   |               | <b>Off:</b> System not receiving power.  |
|   |               | <b>Off:</b> Embedded processor resetting or booting firmware.  |
|   |               | <b>Green:</b> Communication with Host established.   |
| B | Status LED    | <b>Blinking Green:</b> System ready but no communication with Host.  |
|   |               | <b>Red:</b> Firmware update failure, unit will reset.  |
|   |               | <b>Blinking Red:</b> Firmware is running but has not received a DHCP IP address.   |
|   |               | <b>Amber:</b> Firmware update in progress.   |
| C | Reset         | <b>Blinking Amber:</b> Valid link-local IP address.  |
|   |               | Using a paperclip or similar, press and hold for 5 seconds to clear device network settings. Status LED will blink red rapidly when reset is complete. |
|   |               | 8-pin RJ45 port.   |
|   |               | Supports:<br>Audio Video Bridging (AVB)<br>Power over Ethernet (PoE)   |
| E | Digital Input | Digital Optical Audio (TOSLink) input. Supports up to 192kHz/24 bit digital audio in; PCM stereo format only.  |
| F | Analog Input  | 3.5mm Analog stereo line input (left and right). Direct line level 2.1-V <sub>RMS</sub> input  |
| G | Analog Output | 3.5mm Analog stereo line output (left and right). Direct line level 2.1-V <sub>RMS</sub> output  |

#### Installation

The PAV-AIO1C should be installed on a solid, flat, level surface, using the included hardware. The device will fit on a 1U rack shelf. The location should be dry, well ventilated, and out of direct sunlight.

**IMPORTANT!** The PAV-AIO1C must be connected to an AVB Switch.