SAVANT

Savant® IP Audio Music Server
Quick Reference Guide

Box Contents

(1) IP Audio Music Server (PAV-SMS2001-10)

(1) Installation Kit (075-0208-xx)

    (1) 5V DC 3A Power Supply (025-0223-xx)

(1) Product Regulatory Statement (009-1950-xx)

Specifications

Environmental			
Temperature	32° to 104° F (0° to 40° C)		
Humidity	10% to 80% Relative Humidity (non-condensing)		
Dimensions and Weight			
	Height	Width	Depth	Weight
Device	1.6 in (4.15 cm)	8.5 in (21.50 cm)	3.7 in (9.33 cm)	1.4 lb (0.64 kg)
Shipping	2.2 in (5.58 cm)	12 in (30.48 cm)	7.3 in (18.54 cm)	2.1 lb (0.95 kg)
Rack Space	1U			
Power				
Input	5V DC 3A			
Maximum	15 Watts			
Power over Ethernet (PoE)	IEEE 802.3af			
Networking				
Supported Standard	IEEE 802.1 AVB/TSN switches IEEE 802.3 Ethernet			
Regulatory				
Safety and Emissions	FCC Part 15	CE	C-Tick	UKCA
RoHS	Compliant			
Supported Release				
Savant Software	da Vinci 8.10.2			

Additional Information

The Spotify Software is subject to third party licenses found here: https://www.spotify.com/connect/third-party-licenses.

Refer to the following documents located on the **Savant Customer Community** for additional information.

– Savant IP Audio Deployment Guide (009-1571-xx)
– Savant Device Networking Guidelines
– Savant IP Audio AVB Network Design Reference Guide

Front Panel

A	Power LED	**Green**: System has power and is operating normally. **Off**: System is not receiving power.
B	Status LED	**Off**: Embedded processor is resetting, or is powered up, and is booting the embedded firmware. **Green**: Host has established communications with the embedded system. **Green Blinking**: Embedded system is ready, but no communication has been established with the host. **Red**: Host has determined the firmware needs to be updated, but a problem occurred during the process that will initiate a reset. **Red Blinking**: Embedded firmware is running, but has not received a DHCP IP Address. **Amber**: Host is updating the embedded firmware. **Amber Blinking**: Embedded system has a valid link-local IP Address and is connecting to the host.

Network Configuration

To ensure that the IP Address will not change due to a power outage, a static IP Address or DHCP reservation should be configured. Savant recommends using DHCP reservation within the router. By using this method, static IP Addresses for all devices can be managed from a single UI, avoiding the need to access devices individually.

NOTE: Setting DHCP reservation varies from router to router. Refer to the documentation for the router to configure DHCP reservation.
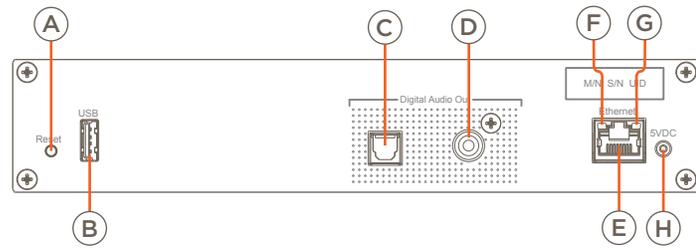
Refer to the **Savant Device Networking Guidelines** on the **Savant Customer Community**.

Network Requirements

The PAV-SMS2001 requires an Audio Video Bridging (AVB) network for systems with more than one Savant IP Audio Device.

Connect all Savant devices to the same local area network (LAN) or subnet as the host. Savant recommends not implementing any type of traffic or packet shaping in your network topology for the Savant devices as this may interfere with performance.

Rear Panel

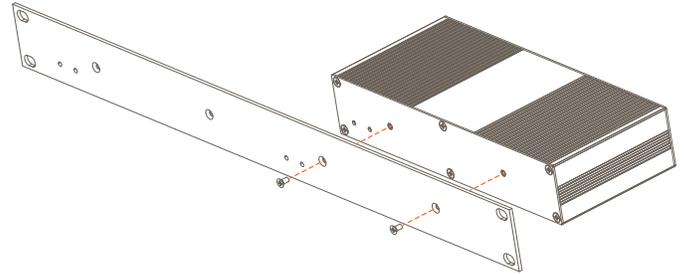|		
A	Reset	Resets the network settings of the device. Hold Reset Button for 5 seconds while powered on to clear network settings. Status LED will rapidly blink red when reset is complete.
B	USB	USB 2.0 Type A (reserved for future use).
C	Digital Audio Out (Optical)	(1) Digital optical preamp output, line-level 96kHz/24-bit output, fixed volume.
D	Digital Audio Out (Coaxial)	(1) Digital coaxial preamp output, line-level 96kHz/24-bit output, fixed volume.
E	Ethernet	8-pin RJ-45 port, PoE – 802.3af compliant 10/100/1000 Base-T auto-negotiating port with Link/Activity LEDs. Supports Audio Video Bridging (AVB).
F	Ethernet Activity LED	**Green Blinking**: Activity (Rx/Tx). **Off**: No Activity.
G	Ethernet Link LED	**Green Solid**: Ethernet Link is established. **Off**: Ethernet link is not established.
H	Power Input	5V DC 3A

Installation

The PAV-SMS2001 should be installed on a solid, flat, level surface. The device will fit on a 1U rack shelf. The location should be dry, well ventilated, and out of direct sunlight.

Rack

The optional RMB-PAVAM2F-xx or RMB-PAVAM2-xx allows two devices to be mounted side by side. This rack is compatible with all standard 19-inch National Electrical Manufacturers Association (NEMA) rack mounts.

The instructions below show the RMB-PAVAM2F-xx, both brackets install the same way they just face different directions.

1. Align the bracket with the device's mounting points.
2. Attach using the screws provided with the bracket.

Expansion

Multiple Savant AVB devices can be connected in a single system providing a virtual audio switch that can be configured to suit almost any need. Refer to the **Savant IP Audio Deployment Guide** on the **Savant Customer Community** for more information on the maximum supported AVB devices.