



# MediaMatrix sWALL™ 2x2

## QUICK GUIDE

Thank you for purchasing the MediaMatrix sWALL 2x2, this quick guide will take you through the products features, installation. The sWALL 2x2 provides analog to digital input/output conversion utilizing the Dante® or AES67 steaming audio protocol and standards and requires to be powered via a PoE IEEE 802.3af/at capable network switch or optional PoE injector, not included.

### 1. INTRODUCTION

The sWALL 2x2 supports a pair (2) of balanced microphone or line level input channels via XLR(f) 3 Pin (mic level) or ¼” TRS jack (line level) combo connectors.

Microphone level attenuation is auto switched upon inserting an XLR(m) connector. 48v phantom line power can be individually applied to the microphone by depressing the associated micro switch at each channel. A further 20dB of gain is available via an adjustable micro pot as may be required.

Removal of the XLR connector by pressing the “Push” to release latch button automatically attenuates the combo socket to line level supporting a ¼” TRS jack when connecting line level devices.

A pair (2) of independent output channels, via XLR(m) 3 Pin sockets, supply analog line level signal output.

An RJ45 network interface port is provided at the rear of the unit for connecting to a PoE powered network switch or injector allowing audio streams to be transmitted and received over an Ethernet network.

### 2. FUNCTION

- For converting analog signals to/from Dante or AES67 streams over Ethernet data networks.
- Supports 2 channels mic/line analog inputs and 2

- channels of analog output.
- Supports 2 independent audio channels transmitted and 2 channels of received audio via optionally selectable Dante or AES67 streams.
- Input channels have selectable phantom power via micro switch with a manual gain adjustment micro pot.
- Requires PoE power supply; 802.3af, 802.3at standard PoE switch or injector. (Not included)

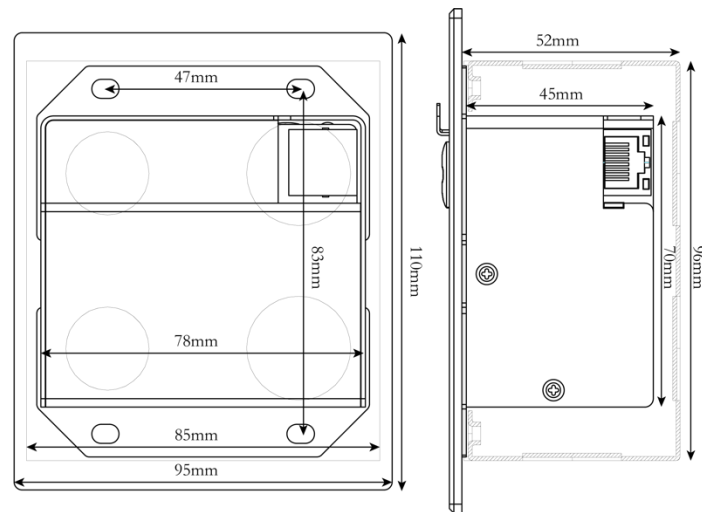
### 3. INSTALLATION

Suggestion: We recommend that you use the standard type wall box provide for your installation.

3.1 Remove the appropriate knockout from electrical back box with a screwdriver in support of the conduit/cable. Insert and fix the back box into a previously prepared wall recess, pull conduit/network cable to box and secure.

3.2 Use micro driver to remove the two screws in the middle of the sWALL 2x2 front panel, carefully detach the face plate.

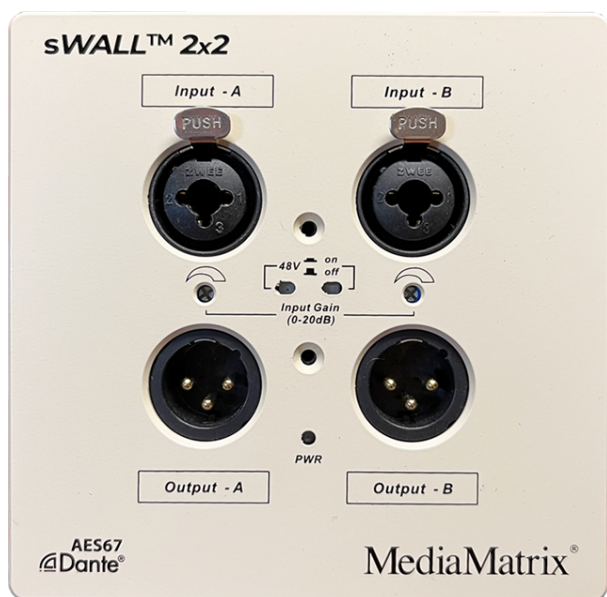
3.3 Connect network cable and insert the sWALL 2x2 device into the back box, ensuring network cable required bend radius is maintained. Secure to the back box with screws provided at each of the 4 positions.



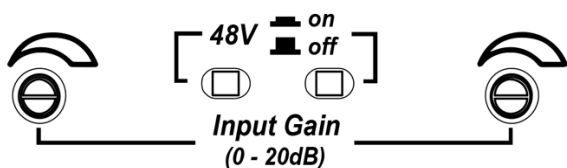
- 3.4 Replace the face plate cover panel and tighten the screws.
- 3.5 PWR indicator illuminates confirming the power supply status.

3.6 Dante® Controller is used to route I/O channels by selecting the required network connected streaming audio devices.

Download and install Dante Controller software at the following link: [Dante Controller](#)



3.7 48v Phantom power micro switch LED is a self-locking button. When depressed status LED lights up indicating Phantom power is enabled.



3.8 Independent input channel gain adjustments available via micro pots discretely concealed below the input combo connectors. Input gain value of the corresponding channel is adjusted with a micro screwdriver. Gain range: 0 - 20dB.

#### 4. PARAMETER

Analog maximum gain	20dB
Frequency response	±0.2dB (20~20kHz)
Maximum input level	18dBu
Maximum output level	18dBu
THD+N	< 0.001% @ 4dBu
Floor noise	-97dBu
Input impedance	20 kΩ
Output impedance	100Ω
Channel isolation	100dB @ 1kHz
Power Supply	PoE - 48v @ 5W

#### 5. Q & A

1. Front Panel PWR indicator light is not illuminated.

A: Check whether a PoE capable switch or injector is used with PoE enabled, being connected to the device and supplying the required power;

Note: Multiple sWALL 2x2 units on a single PoE capable switch may exceed the switch maximum PoE power supply capacity resulting in a device or devices not being powered.

B: Use another network cable to rule out cable fault.

C: Check whether there is a network connection by running Dante Controller to discover the device and a link light is active within the controller software;

D: Contact Peavey Commercial Audio technical service support should the PWR light not illuminate or device cannot be discovered in Dante Controller.

**Question 2.** No signal after the microphone is connected.

A: Set the input route using Dante Controller software.

B: Check the type of microphone, if a condenser type ensure 48v phantom line power is applied and the relevant LED light is illuminated.

C: Adjust/increase the associated micro pot gain.

**Question 3.** No XLR output signal?

A: Check that the audio route has been assigned to the corresponding channel via the Dante Controller software.

B: Confirm the audio signal path is correctly routed and being transmitted and received at all devices.

**6. ATTENTION**

To ensure correct operation and safety, please pay attention to the following items during installation, use and maintenance.

1. In order to avoid electric shock, do not open the device shell. There are no parts that can be repaired inside the device. Do not dismantle or attempt to repair the device without the written consent of Peavey Commercial Audio. When required for maintenance purposes, please contact your authorized technical support technician or Peavey Commercial Audio.
2. This device must not be exposed to water, operated in environments causing condensation or where dust and dirt may ingress the device
3. Do not spill or use any corrosive cleaning chemicals or liquids on or near the equipment. Should the face plate become dirty use only a microfiber cloth, dampen with water followed by a clean dry cloth to remove any remaining moisture on the devices front panel.

**7. Packing list**

Device	Screws	Micro driver	Quick guide
1	4	1	1

**8. WARRANTY**

Warranty policy terms and conditions:

The warranty period for this product is 2 years from the date of initial purchase and serial number registration with the original authorized reseller or Peavey Commercial Audio.

Product performance failure caused by non-human damage during the warranty period shall be repaired or replaced at no charge.

The following cases (including but not limited to) are not covered within the policy and scope of the manufactures warranty:

1. Non warranty covered devices due to missing and valid invoices or non-authorized sale of such product including initial purchase dates having exceeded the warranty service expiration period of 2 years.
2. Failure to use, maintain and manage the device in accordance with the requirements as outlined in this quick guide and the associated product specification sheet listed parameters.
3. Damage caused by force majeure, such as fire, flood, lightning including unregulated and unconditioned power.
4. Damage caused by negligence, improper installation procedures, non-supported operating environments and temperatures including excessive force applied to connectors and device control interfaces.
5. Damage caused by unauthorized repair and unauthorized service.

**WARRANTY CARD**

Date of production:
Product model:      sWALL 2x2
Serial number: