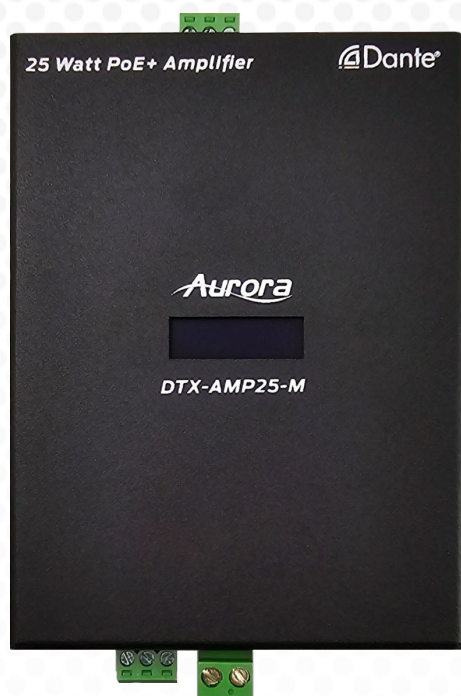


# DTX-AMP25-M

Dante/AES67 25-Watt Mono PoE+ Amplifier



## TABLE OF CONTENTS

<b>PACKAGE CONTENTS</b> .....	<b>3</b>
<b>OPTIONAL ACCESSORIES</b> .....	<b>4</b>
<b>INTRODUCTION</b> .....	<b>5</b>
About .....	5
Features .....	6
Rear .....	8
<b>Getting Started</b> .....	<b>10</b>
Cabling .....	10
<b>WEB SETUP PAGES</b> .....	<b>11</b>
<b>CONNECTOR PIN DEFINITION</b> .....	<b>12</b>
CAT5e/6/6A .....	12
RS-232 .....	12
<b>APPENDIX 1</b> .....	<b>13</b>
Firmware Update & Protocol .....	13
<b>RS-232 PROTOCOL</b> .....	<b>13</b>
<b>APPENDIX 2</b> .....	<b>16</b>
Technical Specifications .....	16
<b>APPENDIX 3</b> .....	<b>17</b>
Warranty .....	17

## PACKAGE CONTENTS

Please make sure the following items are included within your package. Contact your dealer if any items are missing or damaged. Go to [www.auroramm.com](http://www.auroramm.com) for latest manual and firmware.

### DTX-25AMP-M

- 1 QTY DTX-25AMP-M
- 2 QTY Mounting Ears and screws

*Power supplies are sold separately.*

**\*Note:** Go to [www.auroramm.com](http://www.auroramm.com) for latest manual and firmware.

## OPTIONAL ACCESSORIES

- **PS0081-1**  
(48V 24-Watt PoE Injector)  
Available in -US, -AU, -EU, and -UK worldwide models



## INTRODUCTION

### About

The DTX-AMP25-M is a 25-Watt PoE+ Dante/AES67 amplifier allowing audio distribution of small to very large scale. The small form factor and light weight allows it to be mounted just about anywhere. The 4/8 Ohm out can drive 2 speakers in parallel saving cost. It also features an OLED for IP Address and other status information for better setup and serviceability.

## Features

- 25-Watt PoE+ Mono Amplifier
- Dante/AES67
- Analog Line In
- OLED Display with Selection Buttons for Status Information
- Power/Status Indicators
- 4/8 Ohm Output
- USB Device Port
- RS-232 Control
- Internal Web Server for Remote Diagnostics and Settings
- Only 3.28" x 1" x 4.47" (8.3cm x 2.5cm x 11.3cm)

## Front



### LEDs

- **Power/Status:** Power will light green when unit is on or in standby. Status will blink at a normal pace during regular operation and slower pace when in standby.

### Buttons

- **Menu Button:** Cycles through the OLED Menu.
- **Select Button:** To select a sub choice in a menu or special functions.

### Connectors

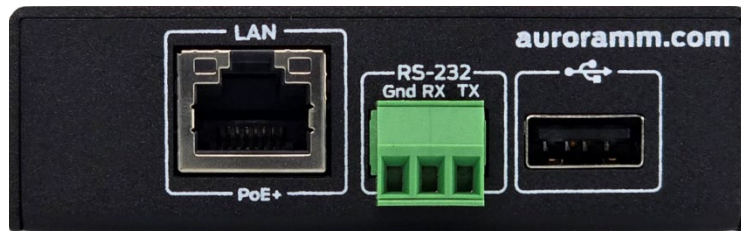
- **Audio Line In/Out:** Stereo audio input that is summed into mono.
- **Speaker Output +/- :** 4/8 Ohm Mono Output 25 Watts Max

### Special Functions

- **Factory Default:** Press and hold Select and Menu together for 4 seconds.
- **Firmware Update Mode:** Press and hold Select while applying power to enter firmware update mode.

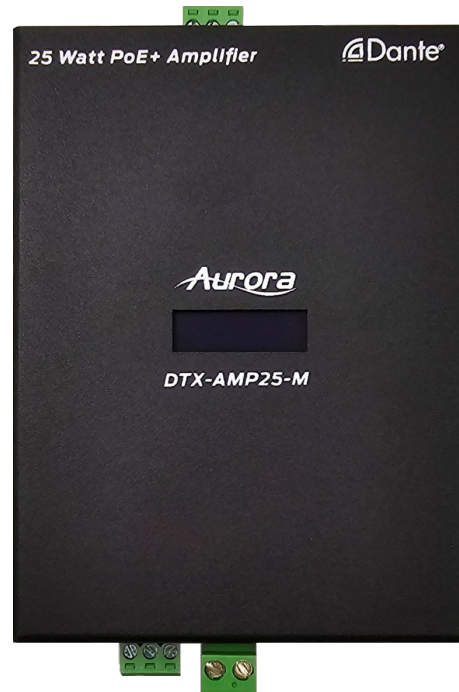
***\*Note: Default Settings – 115K baud rate; default IP is auto and display on OLED; autosense off.***

## Rear



- **RS-232:** Serial port pass-through and control up to 115Kbps.
- **Ethernet:** 10/100/1000Mbps LAN. Can power the unit with PoE+ from injector or switch.
- **USB 2.0:** Future Use.

TOP



- **OLED:** 128x64 pixel OLED. Will display IP Address, MAC Address, and Serial Number.

## Getting Started

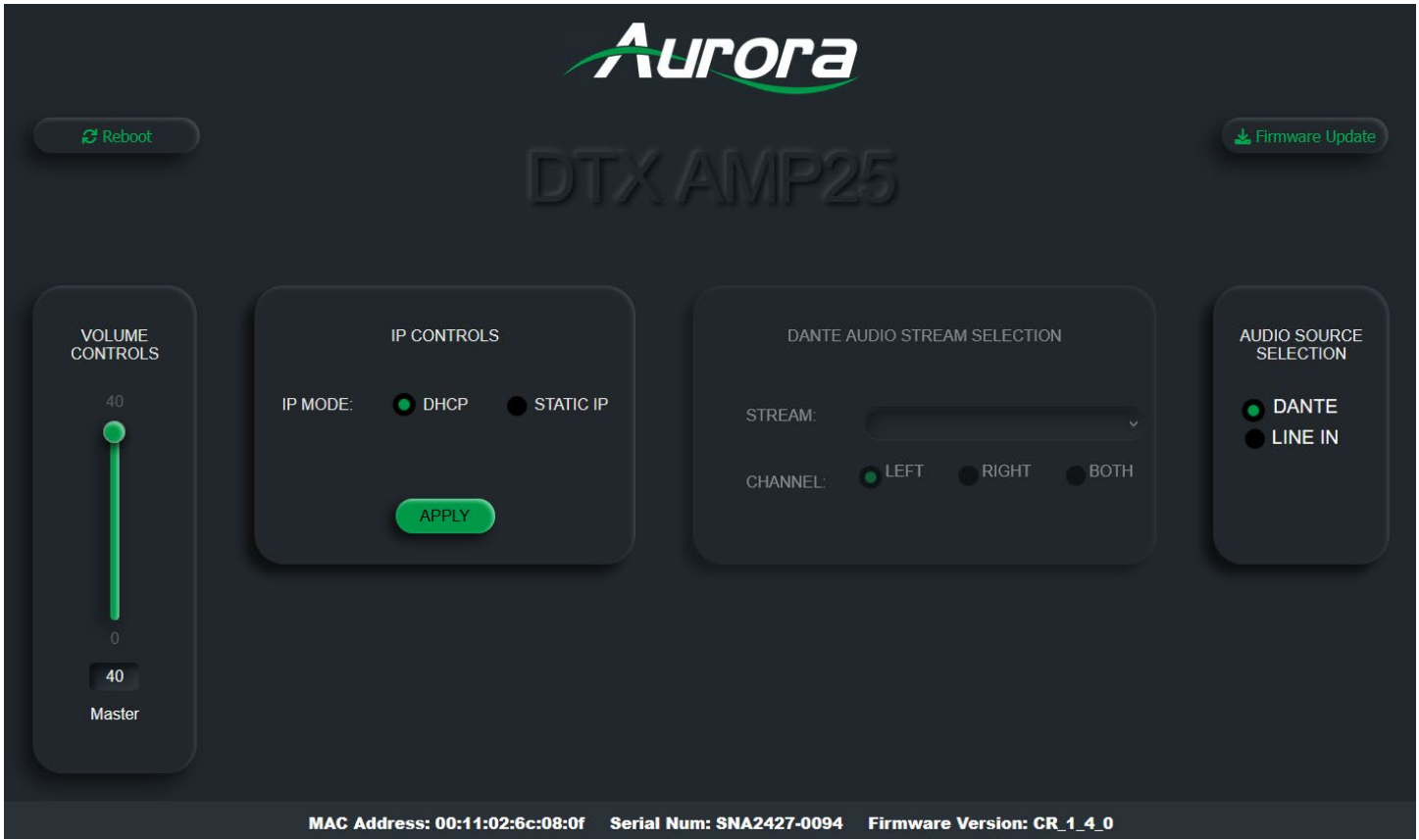
### Cabling

- Connect the 4 Ohm or 8 Ohm speaker to the Speaker +/- connector. If 70v is required, you will need a transformer.
- Connect the line in if applicable. If not, this can be skipped.
- Connect the RS-232 if required for control.
- Finally, connect the PoE+ LAN to the RJ-45. The unit will boot in 45 seconds and the IP address will appear on the OLED display.
- Using Dante Controller, the unit can be found and routed.

Note: Through API or built in set up web pages, the Dante/AES67 and Line In selection along with audio levels can be set.

## WEB SETUP PAGES

Web Setup pages can be accessed by typing in the IP address of the unit (example: 192.168.1.100/setup). You will then be prompted for a username and password. The default username and password are “admin.” It is highly advisable to change the units to a unique username and password for security reasons. Make certain the DTX-AMP25-M unit is connected to the 1GbE network, and it has a unique IP Address or there will be communication issues. The images below may change with firmware revisions as we are always enhancing the capabilities.



**Volume Controls** sets the volume level of the DTX-AMP25-M.

**IP Controls** allows the user to change IP settings such as DHCP/Static, IP Address, Subnet Mask, etc.

**Dante Audio Stream Selection** allows the user to select a Dante stream for the DTX-AMP25-M to join. This can also be done by Dante Controller.

**Audio Source Selection** allows the user to select between Dante and Line In audio sources.

**Firmware Update** allows the user to update the firmware of their DTX-AMP25-M.

## CONNECTOR PIN DEFINITION

### CAT5e/6/6A

#### T568A and T568B Wiring

Pin	T568A Pair	T568B Pair	Wire	T568A Color	T568B Color	Pins on plug face (socket is reversed)
1	3	2	tip	white/green stripe	white/orange stripe	
2	3	2	ring	green solid	orange solid	
3	2	3	tip	white/orange stripe	white/green stripe	
4	1	1	ring	blue solid	blue solid	
5	1	1	tip	white/blue stripe	white/blue stripe	
6	2	3	ring	orange solid	green solid	
7	4	4	tip	white/brown stripe	white/brown stripe	
8	4	4	ring	brown solid	brown solid	

### RS-232

The RS-232 is a 3.81mm euro style connector label TX, RX and GND.

## APPENDIX 1

### Firmware Update & Protocol

For the latest firmware updates and protocol, please go [www.auroramm.com](http://www.auroramm.com).

You must be signed up to the Customer Portal to download firmware with instructions on how to update. The protocol is only available to authorized Aurora dealers.

### RS-232 PROTOCOL

All commands are sent at 9600 baud 8N1

Command	String Format	Information
Query Volume	?**VOLUME<cr>	Returns the volume of the device.  Example: ?**VOLUME<cr>  Response: ~**VOLUME12<cr>
Query Network Details	?**NETWORK<cr>	Returns the network details of the device.  Example: ?**NETWORK<cr>  Response:  ~**NETWORKdhcp,169.254.88.1,255.255.0.0,0.0.0.0<cr>
Query Serial Number	?**SERIAL<cr>	Returns the serial number of the device.  Example: ?**SERIAL<cr>  Response: ~**SERIAL12341234<cr>
Query MAC Address	?**MAC<cr>	Returns the MAC address of the device.  Example: ?**MAC<cr>  Response: ~**MAC00:de:ad:be:ef:00

Query Audio Source	?**AUDIO_SOURCE<cr>	Returns the audio source of the device (dante or linein). Example: ?**AUDIO_SOURCE<cr> Response: ~**AUDIO_SOURCEdante<cr>
Query Max Volume Level	?**MAX_VOL_LEVEL<cr>	Returns the maximum volume of the device. The maximum for DTX-AMP25-M is 40. Example: ?**MAX_VOL_LEVEL<cr> Response: ~**MAX_VOL_LEVEL40<cr>
Query Serial Console Status	?**SERIAL_CONSOLE<cr>	Returns if the serial debug console is enabled. Example: ?**SERIAL_CONSOLE<cr> Response: ~**SERIAL_CONSOLEon<cr>
Query Device Model	?**DEV_MODEL<cr>	Returns the device model. Example: ?**DEV_MODEL<cr> Response: ~**DEV_MODELDTXAMP-25<cr>
Query Firmware Version	?**VERSION<cr>	Returns the current firmware version. Example: ?**VERSION<cr> Response: ~**VERSIONCR1_4_0<cr>
Query Dante Activation Status	?**DANTE_IS_ACTIVATED<cr>	Returns the current Dante activation status. Example: ?**DANTE_IS_ACTIVATER<cr> Response: ~**DANTE_IS_ACTIVATEDactivated<cr>

Set Volume Level	!***VOLUME <code>x</code> <cr>	<p>X = 0-40.</p> <p>Sets volume level of the DTX-AMP25-M.</p> <p>Example: !***VOLUME10&lt;cr&gt;</p> <p>Response: ~***VOLUME10&lt;cr&gt;</p>
Set Audio Source	!***AUDIO_SOURCE <code>x</code> <cr>	<p>X = "dante" or "linein".</p> <p>Sets the audio source of the DTX-AMP25-M.</p> <p>Example: !***AUDIO_SOURCEdante&lt;cr&gt;</p> <p>Response: ~***AUDIO_SOURCEdante&lt;cr&gt;</p>
Set Network Parameters	!***NETWORK <code>o</code> [, <code>i</code> , <code>m</code> , <code>g</code> ]<cr>	<p><code>o</code> = IP address mode "dhcp" or "static"  <code>i</code>, <code>m</code>, <code>g</code> are only required for static addressing:  <code>i</code> = IP address  <code>m</code> = Subnet Mask  <code>g</code> = Gateway</p> <p>Sets the IP addressing mode of the LAN interface.</p> <p>Example:</p> <pre>!***NETWORKstatic,169.254.88.1,255.255.0.0,0.0.0.0</pre> <p>Response:</p> <pre>~***NETWORKstatic,169.254.88.1,255.255.0.0,0.0.0.0</pre>
Set Debug Serial Console	!***SERIAL_CONSOLE <code>x</code> <cr>	<p>X = "on" or "off"</p> <p>Enables or disables the serial debug console.</p> <p>Example: !***SERIAL_CONSOLEon&lt;cr&gt;</p> <p>Response: ~***SERIAL_CONSOLEon&lt;cr&gt;</p>

## APPENDIX 2

### Technical Specifications

Model Name	DTX-AMP25-M
<b>Technical</b>	
Audio Analog	Stereo Line In/Out converted to mono
1G LAN	RJ-45 10/100/1000M PoE
USB	USB 2.0 Type A (Future Use)
Audio support	Dante/AES67
RS-232	Up to 115k Baud
Interface	Buttons for OLED, Webserver
<b>Mechanical</b>	
Housing	Black Aluminum Enclosure
Dimensions [L x W x H]	Only 3.28" x 1" x 4.47" (8.3cm x 2.5cm x 11.3cm)
Weight	1lb 4.6oz
Mounting	Ears (included) for under table/wall mount
Power supply	PoE+ (LAN)
Max Power consumption	25.4 Watts
Operation temperature	0~40°C [32~100°F]
Storage temperature	-20~60°C [-4~140°F]
Relative humidity	20~90% RH [no condensation]

**\*Note: Specifications subject to change without notice.**

## APPENDIX 3

### Warranty

#### Limited 5 Year Warranty

Aurora Multimedia Corporation (“Manufacturer”) warrants that this product is free of defects in both materials and workmanship for a period of 5 years as defined herein for parts and labor from date of purchase. This Limited Warranty covers products purchased in the year of 2019 and after. Motorized mechanical parts (Hard Drives, DVD, etc.), mechanical parts (buttons, doors, etc.), remotes and cables are covered for a period of 1 year. Touch screen displays are covered for 1 year; touch screen overlay components are covered for 90 days. Supplied batteries are not covered by this warranty. During the warranty period, and upon proof of purchase, the product will be repaired or replaced (with same or similar model) at our option without charge for parts or labor for the specified product lifetime warranty period.

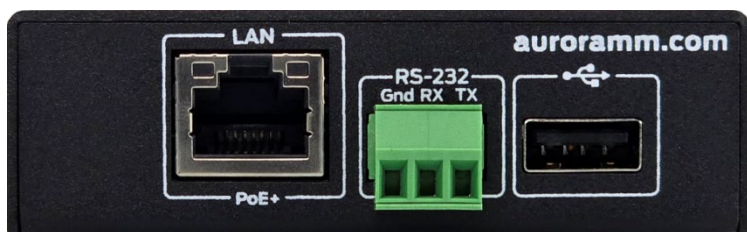
This warranty shall not apply if any of the following:

- A. The product has been damaged by negligence, accident, lightning, water, act-of-God or mishandling; or,
- B. The product has not been operated in accordance with procedures specified in operating instructions; or,
- C. The product has been repaired and or altered by other than manufacturer or authorized service center; or,
- D. The product's original serial number has been modified or removed; or,
- E. External equipment other than supplied by manufacturer, in determination of manufacturer, shall have affected the performance, safety or reliability of the product; or,
- F. Part(s) are no longer available for product.

In the event that the product needs repair or replacement during the specified warranty period, product should be shipped back to Manufacturer at Purchaser's expense. Repaired or replaced product shall be returned to Purchaser by standard shipping methods at Manufacturer's discretion. Express shipping will be at the expense of the Purchaser. If Purchaser resides outside the contiguous US, return shipping shall be at Purchaser's expense.

**No other warranty, express or implied other than Manufacturer's shall apply.**

Manufacturer does not assume any responsibility for consequential damages, expenses or loss of revenue or property, inconvenience or interruption in operation experienced by the customer due to a malfunction of the purchased equipment. No warranty service performed on any product shall extend the applicable warranty period. This warranty does not cover damage to the equipment during shipping and Manufacturer assumes no responsibility for such damage. This product warranty extends to the original purchaser only and will be null and void upon any assignment or transfer.



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