

# STEWART<sup>TM</sup> AUDIO

THE DIFFERENCE IS **HEAR**

PRODUCT**CATALOG**

# DANTE NETWORKED AMPLIFIERS

PRODUCT	FORM FACTOR	CHANNELS	WATTS CHANNEL	IMPEDANCE	INPUTS	ZONE SIZE	FEATURES	PAGE NUMBER
AV8-2 PoE+ LZ	Flange Mt	2	8W	4 Ω / 8 Ω	2 Net	S	Power/Dante over Cat cable, Plenum rated	4
AV20-2 PoE++ LZ	Flange Mt	2	20W	4 Ω / 8 Ω	2 Net	S	Power/Dante over Cat cable, Plenum rated	4
AV25-2 NET	1/3 rack	2	25W	4 Ω / 8 Ω	Net	SM	Compact package & RVC	3
AV25-2 NET+	1/3 rack	2	25W	4 Ω / 8 Ω	Local/Net	SM	Legacy & Net input w/ priority override	3
CVA16-1 PoE+ CV	Flange Mt	1	16W	70V / 100V	1 Net	S	Power/Dante over Cat cable, Plenum rated	4
CVA40-1 PoE++ CV	Flange Mt	1	40W	70V / 100V	1 Net	S	Power/Dante over Cat cable, Plenum rated	4
CVA50-1 NET	1/3 rack	1	50W	70V / 100V	Net	SM	Compact package & RVC	3
CVA50-1 NET+	1/3 rack	1	50W	70V / 100V	Local/Net	SM	Legacy & Net input w/ priority override	3
DSP100-1 CV	1/2 rack	1	100W	70V / 100V	2 Local/Net	ML	DSP- Filtering, Vol. control	3,6
DSP100-2 CV	1/2 rack	2	100W	70V / 100V	2 Local/Net	ML	DSP, Ethernet Control, signal routing, Vol. control	3,6
DSP100-2 LZ	1/2 rack	2	100W	4 Ω / 8 Ω	2 Local/Net	ML	DSP, Ethernet Control, signal routing, Vol. control	3,6
FLX-E-80-4 CV	1/2 rack	4	80W	70V / 100V	4 Local/Net	ML	DSP, Ethernet Control, signal routing, Vol. control	4,5
FLX-E-80-4 LZ	1/2 rack	4	80W / 40W	4 Ω / 8 Ω	4 Local/Net	ML	DSP, Ethernet Control, signal routing, Vol. control	4,5
FLX-E-160-2 CV	1/2 rack	2	160W	70V / 100V	4 Local/Net	ML	DSP, Ethernet Control, signal routing, Vol. control	4,5
FLX-E-160-2 LZ	1/2 rack	2	160W	4 Ω / 8 Ω	4 Local/Net	ML	DSP, Ethernet Control, signal routing, Vol. control	4,5
FLX-E-320-1 CV	1/2 rack	1	320W	70V / 100V	4 Local/Net	ML	DSP, Ethernet Control, signal routing, Vol. control	4,5
MC850-LZ-D	1RU	8	50W	4 Ω / 8 Ω	8 Net	SML	CH to CH power sharing, Ethernet Ctrl	4
MC850-CV-D	1RU	8	50W	70V / 100V	8 Net	SML	CH to CH power sharing, Ethernet Ctrl	4
MC850-MXZ-D	1RU	8	50W	Mixed	8 Net	SML	CH to CH power sharing, Ethernet Ctrl	4

## COMPACT AMPLIFIERS

PRODUCT	FORM FACTOR	CHANNELS	WATTS CHANNEL	IMPEDANCE	INPUTS	ZONE SIZE	FEATURES	PAGE NUMBER
AV25-2	1/4 rack	2	35/25W	4 Ω / 8 Ω	2	SM	Compact package	2
AV25-2 RS232	1/4 rack	2	35/25W	4 Ω / 8 Ω	2	SM	RS232 Volume Control	2
AV30MX-2	1/4 rack	2	30W	4 Ω / 8 Ω	2	SM	2-channel stereo mixer	2
CVA25-1	1/4 rack	1	25W	70V / 100V	1	SM	Remote Volume Control	2
CVA25-1 25V	1/4 rack	1	25W	25V	1	SM	Remote Volume Control	2
CVA50-1	1/4 rack	1	50W	70V / 100V	1	SM	Remote Volume Control	2
CVA50MX-1	1/3 rack	1	50W	8 Ω / 70V / 100V	4	SM	Mic input with ducking, Phantom pwr	2
CVA50PMX-1	1/3 rack	1	50W	8 Ω / 70V / 100V	4	SM	Paging Mic input with ducking	2

## HALF RACK AMPLIFIERS

PRODUCT	FORM FACTOR	CHANNELS	WATTS CHANNEL	IMPEDANCE	INPUTS	ZONE SIZE	FEATURES	PAGE NUMBER
DSP100-1 CV	1/2 rack	1	100W	70V / 100V	2	ML	DSP- Filtering, Vol. control	3, 6
DSP100-2 CV	1/2 rack	2	100W	70V / 100V	2	ML	DSP- Filtering, signal routing, Vol. control	3, 6
DSP100-2 LZ	1/2 rack	2	100W	4 Ω / 8 Ω	2	ML	DSP - Filtering, signal routing, Vol. control	3, 6
FLX-E-80-4 CV	1/2 rack	4	80W	70V / 100V	4	ML	Integrated DSP, Networkable, RS232	4, 5
FLX-E-80-4 LZ	1/2 rack	4	80W / 40W	4 Ω / 8 Ω	4	ML	DSP, Ethernet control, Networkable, RS232	4, 5
FLX-E-160-2 CV	1/2 rack	2	160W	70V / 100V	2	ML	Integrated DSP, Networkable, RS232	4, 5
FLX-E-160-2 LZ	1/2 rack	2	160W	4 Ω / 8 Ω	4	ML	DSP - Filtering, signal routing, Vol. control	4, 5
FLX-E-320-1 CV	1/2 rack	1	320W	70V / 100V	1	ML	Integrated DSP, Networkable, RS232	4, 5
PA-50B	1/2 rack	2	50W	4 Ω / 8 Ω	2	ML	Bridgable	Website

## SPECIALTY AUDIO PRODUCTS

PRODUCT	DESCRIPTION
DSP4x4	Robust, compact Digital Matrix Processor with 9 filter block, 5 gain blocks, a ducker, compressor/limiter, delays, 10 presets, 4 line/Mic inputs, 4 analog outputs, RS232 Control and compatible with Wall Plate family
RVC-RS232	RVC-RS232 interface enables any amplifier with a 5-12VDC volume control connector to be remotely controlled using standard RS-232 commands
NETAV I/O	2x2 Dante Break in/Break out box, phantom power & Mic gain

## SUB COMPACT **STANDARD AMPLIFIERS**



## SUB COMPACT **AMPLIFIER APPLICATIONS** GUIDE

PRODUCTS	ZONE SIZE	CLASS ROOMS	BOARD ROOMS	RETAIL	RESTAURANTS	HOSPITALITY ROOMS	TRAINING ROOMS	LOBBY / HALLWAY	HOW CRY ROOM
AV25-2	SM	✓	✓		✓	✓	✓	✓	✓
AV25-2 RS232	SM		✓			✓	✓		
AV30MX-2	SM	✓	✓	✓			✓		
CVA25-1	SM	✓	✓	✓	✓		✓	✓	✓
CVA25-1 25V	SM	✓	✓	✓	✓		✓	✓	✓
CVA50-1	SM	✓	✓	✓	✓	✓	✓	✓	✓
CVA50MX-1	SM		✓	✓	✓	✓	✓		
CVA50PMX-1	SM	✓	✓	✓	✓	✓	✓	✓	

## SUB COMPACT **AMPLIFIER SPECIFICATIONS** GUIDE

PRODUCTS	PWR PER CH	IMPEDANCE	INPUTS	OUTPUTS	RACK SIZE	RVC	FEATURES
AV25-2	35/25W	4/8 Ω	2	2	1/4	No	Cost effective problem solver
AV25-2 RS232	35/25W	4/8 Ω	2	2	1/4	RS232	RS232 volume control
AV30MX-2	30W	4/8 Ω	2	2	1/4	No	2 input mixer amplifier
CVA25-1	25W	70V / 100V	1	1	1/4	Yes	Constant voltage in 70V/100V
CVA25-1 25V	25W	25V	1	1	1/4	Yes	Constant voltage in 70V/100V
CVA50-1	50W	70V / 100V	1	1	1/4	Yes	Constant voltage in 70V/100V
CVA50MX-1	50W	8Ω / 70V / 100V	4	1	1/3	Yes	4 Input Mixer amp with Phantom power
CVA50PMX-1	50W	8Ω / 70V / 100V	4	1	1/3	Yes	Paging Mic input with ducking

Platform Standard features: Outstanding sound quality, Energy Star compliance, External power supply, Plenum rated, Multiple mounting options, Light weight, Convection cooled

25W X 2 @ 4/8Ω

The AV25-2 Net is the first network enabled compact amplifier in its class. This powerful compact Dante/AES67 amplifier is plenum rated with remote volume control inputs.

- Dante/AES67 inputs
- Remote volume control
- Plenum rated
- External inline power supply



PART NUMBERS: AV25-2 NET -D

50W X 1 @ 70V/100V

The CVA50-1 Net is the first network enabled compact amplifier in its class. This powerful compact Dante/AES67 amplifier is plenum rated with remote volume control inputs.

- Dante/AES67 inputs
- Remote volume control
- Plenum rated
- External inline power supply



PART NUMBERS: CVA50-1 NET-D

100W X 1 / 100W X 2 @ 70V/100V / 100W X 2 @ 4Ω/8Ω

The DSP100 family is designed to tailor the signal to match and optimize the speaker in the zone. With built in DSP and 100W per channel this 70V/100V amplifier family is the perfect choice for applications that can benefit from signal conditioning while on a budget.

- Dante/AES67 option available
- 1 or 2 channels at 100W 70V / 100V / 4Ω / 8Ω
- Built in DSP (See page 6 for flow chart)
- Programmable via USB port



PART NUMBERS: DSP100-1 CV-D, DSP100-2 CV-D, DSP100-2 LZ-D

NETAV I/O 2X2

The NetAV I/O is an affordable onramp and offramp for Dante™ network. It provides two input channels and two output channels and is an easy way to quickly expand an existing installation

- Two balanced input channels onto the Dante™ network
- Two balanced output channels from the Dante™ network
- Adjustable microphone gain on both input channels



PART NUMBER: NETAV I/O 2X2-D



# Dante™ AMPLIFIERS

## NEW PRODUCTS

Dante™ PRODUCTS

## MC850 SERIES

### THREE MC850 MODELS

The MC850 series is family of multi-channel Dante amplifiers expanding the reach of the audio network. With 8 channels and 50W of output per channel, this compact 1RU commercial amplifier offers incredible value and flexibility. The MC850 includes three models to cover those applications where low impedance is required, constant voltage or mixed impedances.

- Dante™ Brooklyn interface (AES 67 option)
- Flexible power sharing between channels
- 2 Dante Jacks configurable for redundant or switched
- Ethernet reporting and control
- RS-232 volume control



MODEL	OUTPUT	WATTS	#CH
MC850-LZ-D	4 Ω / 8 Ω	50W	8
MC850-CV-D	70V / 100V	50W	8
MC850-MXZ-D	4 Ω/8 Ω-70V/100V	50W / 50W	2 / 6

PART NUMBERS: MC850-LZ-D, MC850-CV-D, MC850-MXZ-D

Dante™ PRODUCTS

## PoE++ AMPLIFIER HIGHER POWER

The new Dante (AES 67 option) PoE++ amplifier family leverages the higher power 60W, 802.3bt 4 pair standard, allowing for a greater output single cable, power and data solution in a low Z and 70V/100V model to make any installation a snap.

- 2 x 20W 4Ω/8Ω L & 1 x 40W 70V/100V Models
- Plenum Rated
- Compact Flange mount package
- Plug & play installation



PART NUMBERS: AV20-2-LZ-D, CVA40-1-CV-D

Dante™ PRODUCTS

## PoE+ AMPLIFIER

The new Dante (AES 67 option) amplifier family simplifies networked installations with a one cable, power and data solution. Two models, a 2 channel low Z and a 70V/100V model make any installation a snap.

- 2 x 8W 4Ω/8Ω & 1 x 16W 70V/100V Models
- Plenum Rated
- Compact Flange mount package
- Plug & play installation



PART NUMBERS: AV8-2-POE+-LZ, CVA16-1-POE+-CV

Dante™ PRODUCTS

## FLX-E FAMILY

### FIVE FLX-E MODELS

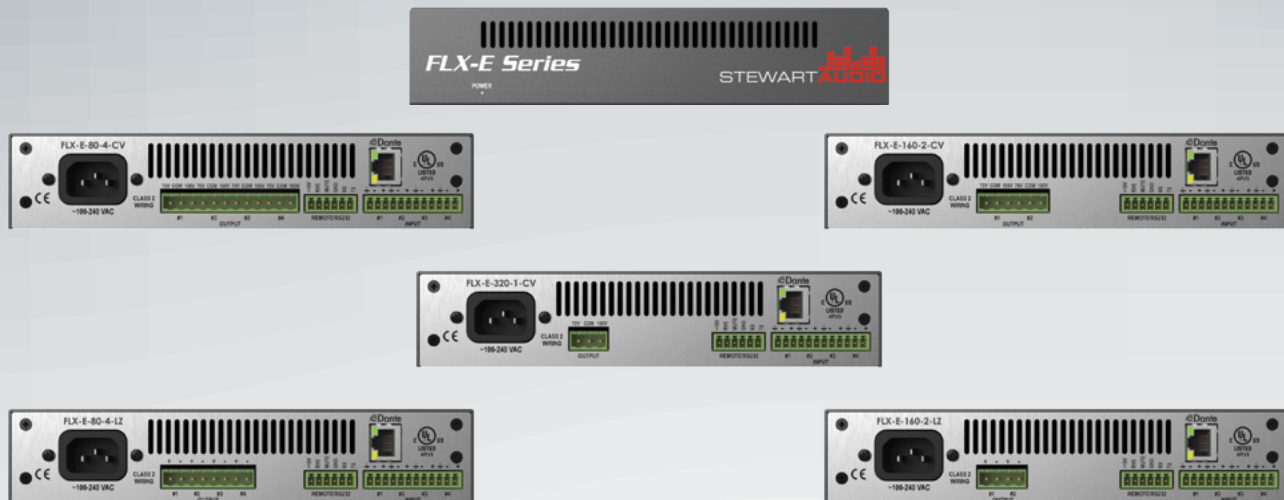
The FLX-E series of amplifiers is the first half-rack commercial amplifier on the market offering 320W of power, incorporate onboard DSP and Ethernet control. This unique combination of power and features allows the amplifier to be tailored to fit the application. **See page 5 for more details.**

- Dante™ (AES 67 option) interface available
- Onboard DSP for signal routing & filtering
- Ethernet port for programming, control and health status. RS-232 and RVC also available.
- Available in both low impedance and constant voltage



PART NUMBERS: FLX-E-80-4 LZ-D, FLX-E-80-4 CV-D, FLX-E-160-2 LZ-D, FLX-E-160-2 CV-D, FLX-E-320-1 CV-D

# FLX-E FAMILY OVERVIEW



## FLX-E FEATURES

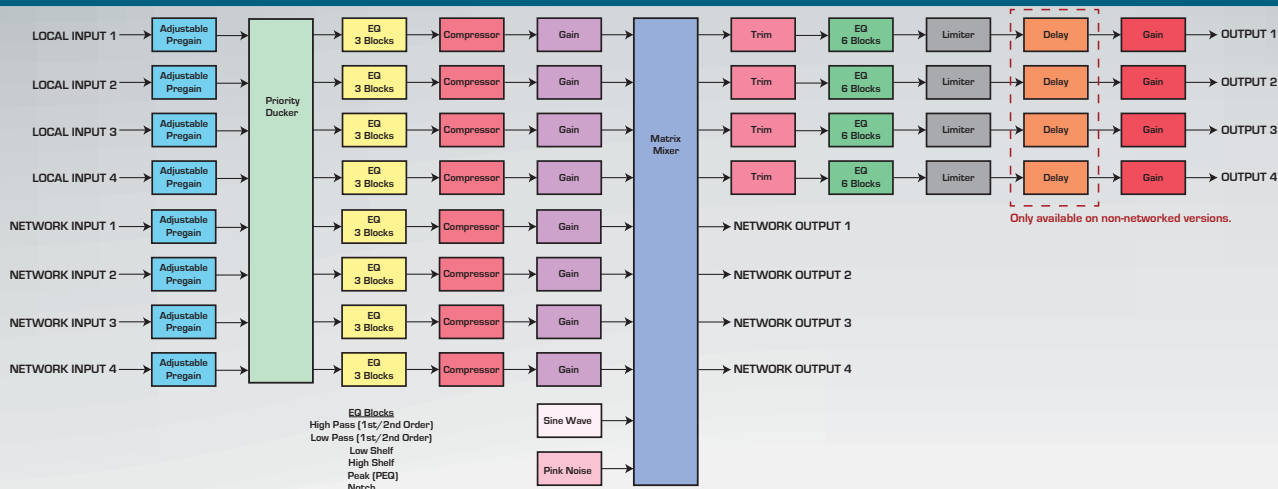
The FLX-E series of amplifiers is the first half-rack commercial amplifier on the market offering 320W of power, incorporate onboard DSP and Ethernet control. This unique combination of power and features allows the amplifier to be tailored to fit the application. This unique combination of power and features allows the amplifier to be tailored to fit the zone, application and speakers, saving time and budget in the process.

- Dante™ (AES 67 option) 4 X 4 I/O interface available
- Onboard DSP for signal routing & filtering
- Ethernet port for programming, control and health status. RS-232 and RVC also available
- Available in both low impedance and constant voltage

MODEL	OUTPUT	WATTS	#CH
FLX-E-80-4 CV	70V / 100V	80W	4
FLX-E-80-4 LZ	4 Ω / 8 Ω	80W / 40W	4
FLX-E-160-2 CV	70V / 100V	160W	2
FLX-E-160-2 LZ	4 Ω / 8 Ω	160W	2
FLX-E-320-1 CV	70V / 100V	320W	1

\*FOUR ANALOG INPUTS ON ALL MODELS, ADDITIONAL FOUR DIGITAL WITH DANTE OPTION

## FLX-E DSP FLOWCHART



# DSP100-1/DSP100-2

100W X 1 / 100W X 2 @ 70V/100V / 100W X 2 @ 4Ω

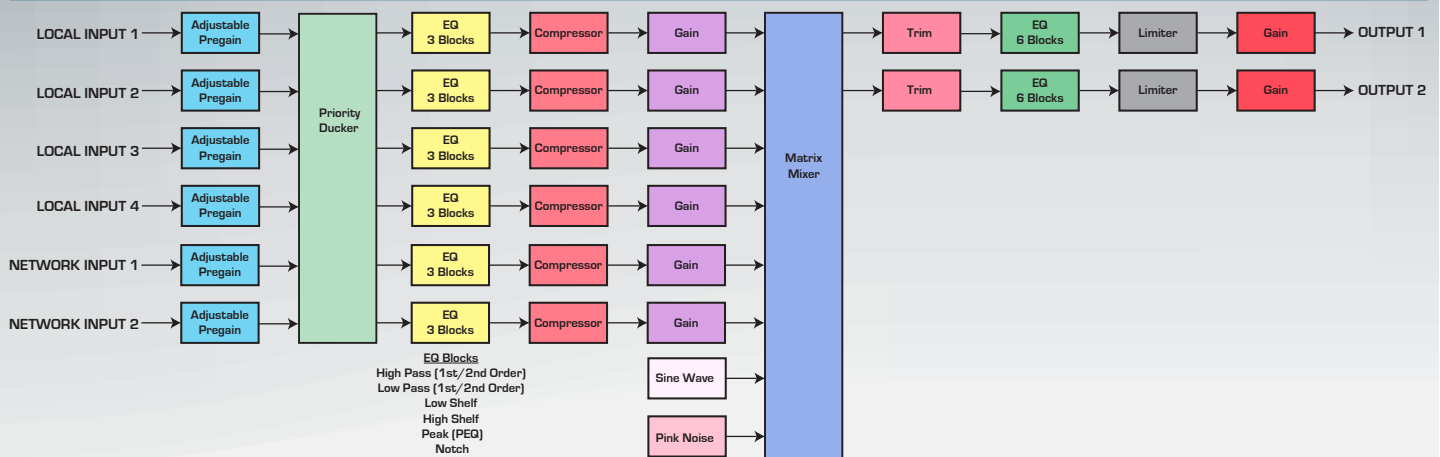
The DSP100 family is designed to tailor the signal to match and optimize the speaker in the zone. With built in DSP and 100W per channel this 70V/100V / 4Ω / 8Ω amplifier family is the perfect choice for applications that can benefit from signal conditioning while on a budget.

- Dante™ AES67 option available
- 1 or 2 channels at 100W 70V / 100V / 4Ω / 8Ω
- Built in DSP (see flow chart below)
- Programmable via USB port



PART NUMBERS: DSP100-1 CV, DSP100-2 CV, DSP100-2 LZ

## DSP FLOWCHART



## DIGITAL SIGNAL PROCESSORS

DSP4X4

The DSP 4x4 is a versatile full featured DSP ideal for small to medium installations where 4 channels are the right amount. With a full array of DSP blocks designed to accept line or mic level.

- 4 Input Lines/Mic Inputs with 24V Phantom Power
- 4 Analog outputs
- 4 Gain Stages / 9 Filter Block / Matrix Mixer with crossover points
- Priority Ducker, 100ms of delay per channel
- Compressor & Limiter



PART NUMBER: DSP4X4



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## ABOUT US

Since 1982, Stewart Audio's singular focus has been making a difference in sound reinforcement; to that end we believe "The Difference is Hear". Our commitment to innovation and quality has provided our customers with a unique combination of performance and reliability. As the world transforms from analog to digital, Stewart recognizes the need for sub compact and compact Networked Amplifiers to support a variety of new applications scenarios. Our ongoing goal is to continue leveraging our core technical competencies to solve every-day problems faced by sound consultants, contractors and integrators.

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## RESOURCES

We believe in exceeding our Customers' expectations, if you have any technical, service, sales or other questions please call us at (209) 588-8111, real people with real answers. For web resources please go to [www.stewartaudio.com](http://www.stewartaudio.com) to find data sheets, manuals, applications drawings, local sales reps and a wealth of other information.

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PROUDLY **MADE** IN **USA**

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STEWARTAUDIO  
14335 CUESTA COURT SUITE C  
SONORA, CA 95370

SALES@STEWARTAUDIO.COM  
**209.588.8111**

**STEWARTAUDIO.com**