# FLX-E Series
## Ethernet-DSP Amplifiers

The FLX-E Platform is the most versatile 1/2 rack Ethernet controlled amplifier Stewart has ever produced. This compact package contains over 300 watts of power output in various channel configurations and impedances. At the heart of the platform is a robust, internal full function DSP that is designed to solve a multitude of your audio problems in just one box. The channel count varies from 1-4 channels and the DSP allows further configuration via routing, EQ, filters, limiters and much more. A Ethernet port makes programming, control and load testing simple, fast and repeatable for large installations. The RVC and RS-232 are also available for control from a wide range of devices. In addition, the FLX-E platform has an optional factory installed Dante™/AES67 card with 4 channels of networked audio in and out. You won't find a more flexible combination of power output and processing in a comparable package on the market today.

## FLX-E Series

**Analog Model Ordering Part #'s**

| | |
|---|---|
| FLX-E–80-4-LZ | 80W x 4 @ 4 Ohms |
| FLX-E-80-4-CV | 80W x 4 @ 70V/100V |
| FLX-E-160-2-LZ | 160W x 2 @ 4/8 Ohms |
| FLX-E-160-2-CV | 160W x 2 @ 70V/100V |
| FLX-E-320-1-CV | 320W x 1 @ 70V/100V |

**Dante/Analog Model Ordering Part #'s**

| | |
|---|---|
| FLX-E-80-4-LZ-D | 80W x 4 @ 4 Ohms |
| FLX-E-80-4-CV-D | 80W x 4 @ 70V/100V |
| FLX-E-160-2-LZ-D | 160W x 2 @ 4/8 Ohms |
| FLX-E-160-2-CV-D | 160W x 2 @ 70V/100V |
| FLX-E-320-1-CV-D | 320W x 1 @ 70V/100V |

* Each FLX-E-D model has a 4 x 4 Dante I/O interface imbedded as well as a DSP.

### Features:

- Onboard DSP for signal routing, filtering, ducking, compressor, limiter, etc.
- Ethernet configuration, control & reporting
- Remote Volume Control & RS-232
- Phantom Power (2 channels)
- Dante™ audio network interface option
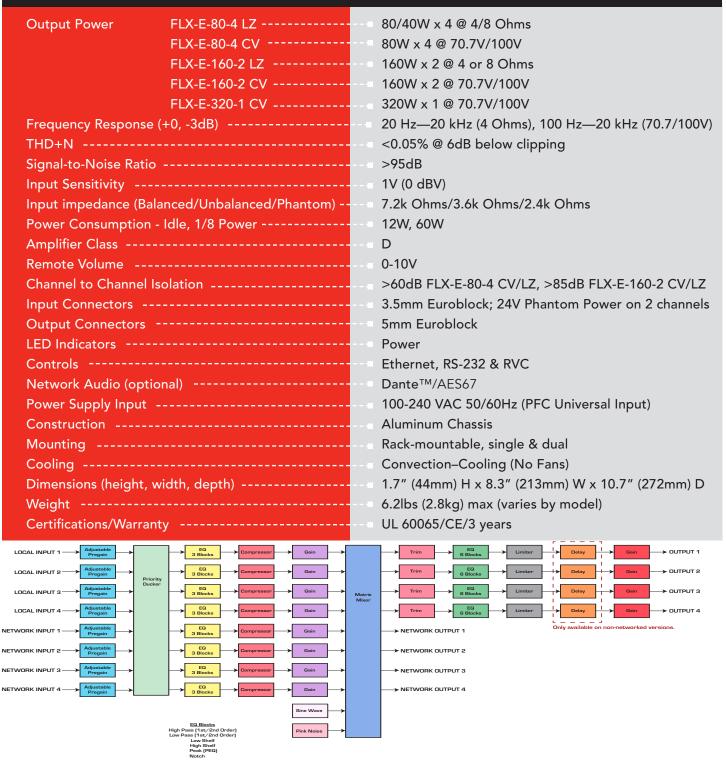- 1/2 rack enclosure



*FLX-E-160-2-CV-D shown*

### Applications:

- Dante™/AES67 Network Audio
- Hospitality Installations
- Education
- Conference Rooms
- Houses of Worship
- Room combining

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| | | |
|---|---|---|
| Output Power | FLX-E-80-4 LZ | 80/40W x 4 @ 4/8 Ohms |
| | FLX-E-80-4 CV | 80W x 4 @ 70.7V/100V |
| | FLX-E-160-2 LZ | 160W x 2 @ 4 or 8 Ohms |
| | FLX-E-160-2 CV | 160W x 2 @ 70.7V/100V |
| | FLX-E-320-1 CV | 320W x 1 @ 70.7V/100V |
| Frequency Response (+0, -3dB) | | 20 Hz—20 kHz (4 Ohms), 100 Hz—20 kHz (70.7/100V) |
| THD+N | | <0.05% @ 6dB below clipping |
| Signal-to-Noise Ratio | | >95dB |
| Input Sensitivity | | 1V (0 dBV) |
| Input impedance (Balanced/Unbalanced/Phantom) | | 7.2k Ohms/3.6k Ohms/2.4k Ohms |
| Power Consumption - Idle, 1/8 Power | | 12W, 60W |
| Amplifier Class | | D |
| Remote Volume | | 0-10V |
| Channel to Channel Isolation | | >60dB FLX-E-80-4 CV/LZ, >85dB FLX-E-160-2 CV/LZ |
| Input Connectors | | 3.5mm Euroblock; 24V Phantom Power on 2 channels |
| Output Connectors | | 5mm Euroblock |
| LED Indicators | | Power |
| Controls | | Ethernet, RS-232 & RVC |
| Network Audio (optional) | | Dante™/AES67 |
| Power Supply Input | | 100-240 VAC 50/60Hz (PFC Universal Input) |
| Construction | | Aluminum Chassis |
| Mounting | | Rack-mountable, single & dual |
| Cooling | | Convection–Cooling (No Fans) |
| Dimensions (height, width, depth) | | 1.7" (44mm) H x 8.3" (213mm) W x 10.7" (272mm) D |
| Weight | | 6.2lbs (2.8kg) max (varies by model) |
| Certifications/Warranty | | UL 60065/CE/3 years |



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