

Key Features:

- 111 dB dynamic range
- 2 analog inputs, 6 analog outputs
- 1 digital AES/EBU inputs
- Configuration via PC software



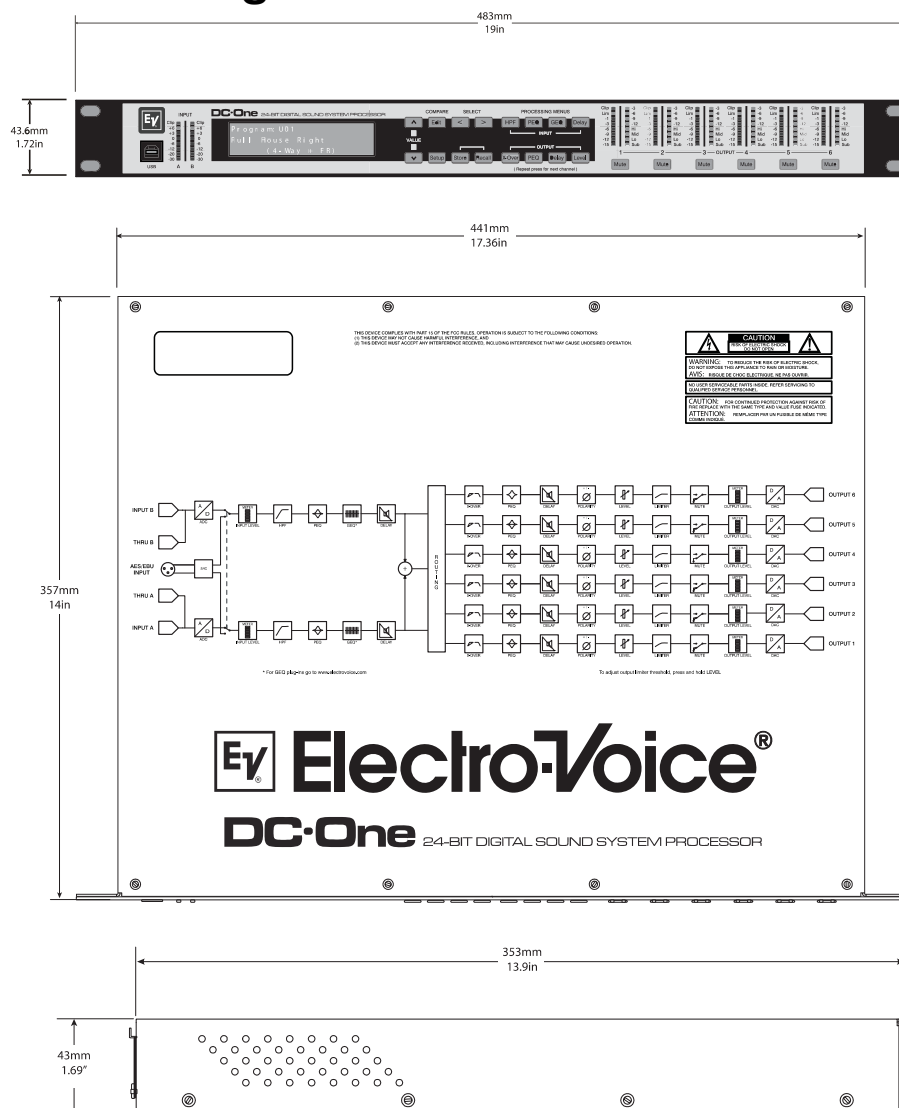
General Description:

The Electro-Voice DC-One is a digital sound system processor with 2 analog inputs, 1 digital AES/EBU inputs and 6 analog outputs. The configuration and operation of the device can be done via the front panel or the DC-One Editor Software Application. For remote configuration and control, the DC-One can be connected via USB. Direct-access buttons for editing DSP parameters are available on the front panel. Up to 80 presets (60 factory presets and 20 programmable user presets) can be used. The integrated FLASH memory allows software and firmware update via USB. Eight control inputs on the rear panel can be used for recall of presets using external switches or contacts. On the front panel, level meters for input and output signals, output gain reduction, limit and clip LEDs, dedicated Mute buttons, output channel function indicators (SUB, LO, MID, HI) and a LCD display (192x32 pixels) with blue backlight are available. There are 6 preconfigured configurations plus one freely configurable full edit (2 in 6 out) configuration available. Every DSP parameter can be locked and/or hidden. Using 24 Bit AD/DA converters a dynamic range of 111 dB is reached. A switchable input PAD (-6 dB) placed prior to the AD converter can be activated. Configuration is done via DC-One Editor Software Application, the Application also allows the graphical display of the system transfer function. Please refer to the DC-One owner's manual and DC-One Editor Software Application documentation for more details.

Technical Specifications:

| | |
|---|--|
| Mains Voltage | 100 to 240 V AC, 50 to 60 Hz |
| Power Consumption | 25 W |
| Analog Audio Inputs | 2 XLR IN, electronically balanced 2 x XLR THRU OUT, electronically balanced |
| Digital Audio Inputs | 1 x XLR AES/EBU IN |
| Digital Audio Format | AES3, 32 kHz to 192 kHz sample rate |
| Nominal Input Voltage | 1.23 V / +4 dBu |
| Maximum Input Voltage (with -6dB PAD engaged) | 17.3 V / +27 dBu |
| Input Impedance | 10 kOhm |
| Common Mode Rejection | -80 dB @ 1 kHz (typical) |
| A/D Conversion | 24-Bit Sigma-Delta |
| Analog Audio Outputs | 6 x XLR OUT, electronically balanced |
| Nominal Output Voltage | 1.23 V / +4 dBu |
| Maximum Output Voltage | 8.7 V / +21 dBu |
| Output Impedance | 50 Ohm |
| D/A Conversion | 24-Bit Sigma-Delta |
| Frequency Response | 10 Hz to 22 kHz (+/-0.5 dB) |
| THD+N | < 0.01% (band limited 22 Hz to 22 kHz) |
| Dynamic Range | 111 dB (unweighted, band limited 22 Hz to 22 kHz) |
| USB | USB Type B on front panel (PC Interface) |
| 9-pin DSUB | Software Configurable for GPI Preset Recall or Master/Slave |
| Sample Rate | 48 kHz |
| Data Format | 24-Bit |
| Internal Processing | 32-Bit Floating Point |
| Dimensions (WxHxD) | 19 x 14 x 1.72 inch (483 x 357 x 43.6 mm) |
| Weight (Net) | 10.1 lb (4.6 kg) |

Dimensions Drawings:



Rear View:



DC-One Part Number:

DC-One, 120 V -- F.01U.149.138

DC-One, 230 V -- F.01U.120.558

Agency Approvals

CE
FCC, IC
CB

Electro-Voice

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www.electrovoice.com

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Part Number F01U120558 Vs 01

U.S.A. and Canada only. For customer orders, contact Customer Service at:

800/392-3497 Fax: 800/955-6831

Europe, Africa, and Middle East only. For customer orders, contact Customer Service at:

+ 49 9421-706 0 Fax: + 49 9421-706 265

Other International locations. For customer orders, Contact Customer Service at:

+ 1 952 884-4051 Fax: + 1 952 887-9212

For warranty repair or service information, contact the Service Repair department at:

800/685-2606

For technical assistance, contact Technical Support at: **866/78AUDIO**

Specifications subject to change without notice.