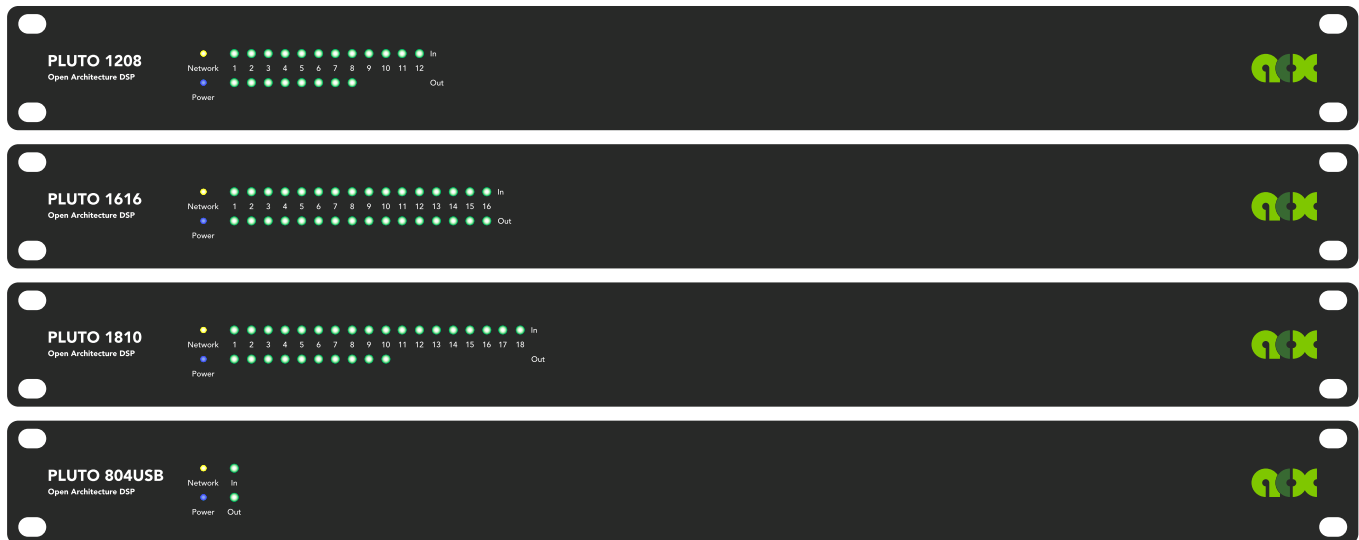




Introducing the Pluto Series: the new generation of high-end Digital Sound Processing from ACX Audio. A range designed for multifunctional use in any application where premium audio processing and optional room control are desired.

The series consists of multiple I/O configurations: analog I/O frames of 12x8, 16x16, and 18x10 + 2x2 USB, each optionally equipped with 64x64 Dante channels. A compact 8x4 model comes with 2x2 USB audio and 4x4 Dante standard on board.

Pluto operates with up to 64-bit floating-point precision, 32-bit preamps, supports switchable 48 kHz or 96 kHz sampling rates, and consumes maximum 22 watts. All models include an integrated Project Controller logic engine and Project Scheduler, along with onboard storage for project file backups and user interface layouts.

Through years of experience in professional audio signal processing, ACX Audio has gained the expertise to combine high-quality hardware with intuitive software for configuration and control of both the DSP core and the accompanying user interfaces. Third-party equipment can be centrally controlled via community-supplied Lua-based device drivers, directly from the ACX Touch application or through the Project Controller.

Configure Pluto using the ACX Console software on Windows and macOS, and control it via ACX Touch, available as both hardware and software application on Windows, macOS, Android, and iOS.

FEATURES



- Standard 1U 19-inch format
- Audio DSP, Project Controller and Scheduler in one device
- Up to 64-bit floating point DSP, 48/96kHz sampling rate, 32-bit preamps on the inputs
- 4 models: With optional 64x64 Dante (48kHz):
Analog I/O 12x8, 16x16 and 18x10 + 2x2 USB
With 4x4 Dante and 2x2 USB on board: Analog I/O 8x4
- Optional AEC: 16 channels @ 100ms., 8 channels @ 250ms.
- Wide range of audio processing modules available such as: Mixers, Selectors, Eq's, Filters, Dynamics, Meters and Generators.
- Control via intuitive ACX Touch or third party protocol.



Specifications

Maximum level	+20dBu
Frequency response	20 to 20kHz +/- 0.15dB
THD+N (22Hz to 22kHz)	0.002% (1kHz @ +4dBu)
Dynamic Range	110dB, unweighted
Transmission Delay	4ms / 2ms (corresponding to 48/96 kHz)
Crosstalk, input to input, 1kHz	<110dB
Sampling Rate	48kHz / 96kHz switchable
A/D-D/A Converters	32-bit
Processor type	Dynamic, up to 64-bit Floating Point
Phantom Power	+48VDC, total budget 300mA
Power Supply	100-240 VAC (50-60Hz) <22 Watts
BTU/Heat Load	205 BTU/hr
Ambient Operating Temperature	32-104°F (0-40°C)
Humidity	10-90%, non-condensing
Altitude	<0-6,600 feet (0-2000 Meters) MSL
AEC	100ms x 16 channels or 250ms x 8 channels
Analog Input and Output Channels	8 in 4 out; 12 in 8 out; 16 in 16 out; 18 in 10 out
Size	483x306.5x44.4mm (1U), in carton 600x400x60. PLUTO804USB: 483x245x44.4mm
Weight	PLUTO 804USB: 3kg; PLUTO 1208: 3.82kg; PLUTO 1810: 3.89kg; 1616: 4.03kg
Compliance	CE, RoHS, REACH
Warranty	3 Years

