



Featuring dual DSP internal processing, high-end studiograde analogue circuit designs, the new Intelli-Power 10 sets the new benchmark in powered system management and speaker processing design. The D/A conversion features DirectDive technology which enhances the impuls response for accurate bass response.

Whether the application is for a standalone system amplifier configured using front panel controls, or a comprehensive wireless networked system for Stadium or Arena sized tours, the Intelli-Power 10 is designed to provide the solution that our clients demand. With comprehensive loudspeaker preset capability, implementing the Intelli-series into your system couldn't be easier.

Electrical specifications

Analog inputs Connecto

Connectors:	3-pin XLR (software switch-able between analog and AES-3)	
Type:	electronically balanced	
Impedance:	>10k ohms, balanced	
Common mode rejection: >90dB		
Max input level:	21 dBu, balanced	
Frequency response:	20 Hz - 20 kHz, ±0.2 dB	
THD+N:	less than 0,005%, -20 dBu, 20Hz- 20 kHz, 22 kHz BW	
Dynamic range:	121 dB, 20 Hz to 20kHz, un-weighted at +21dBu	
Crosstalk:	>90 dB	
AD conversion:	24-bit, sigma-delta	

AES-3 inputs

Connector: Type: Impedance: Supported formats: Supported sample rates: 32 to 192 kHz

Link outputs

Analog: AES-3:

Networked audio inputs

Connector: Supported formats: Supported sample rates: 48 to 192 kHz

Power outputs

Connectors: Power stage:

Ouptut power:

Frequency response: Phase response:

THD+N:

Crosstalk:

class D, DC coupled driven from DAC 50Hz burst rms 1/3 12dB crest factor 4x 2500W, 20hm 4x 2500W, 40hm 4x 1600w, 80hm ±6 deg 20hz - 20kHz 123 dB, 20 Hz to 20kHz, un-weighted >90 dB

Digital processing

Dynamic range:

44,1kHz, 48kHz, 88,2kHz, 96kHz, 176,4kHz or
Dual TI C6000 32-bit floating point DSP's
4 / 4

3-pin XLR (software switch-able between analog and AES-3) transformer isolated 110 ohms, balanced AES-3 up to 24-bit

192kHz selectable

Feedthrough Active buffered with fallback

2x Ethercon DANTE, AES67RTP, supports redundancy

2x NL4 + 1x NL8 20 Hz - 20 kHz, ±0.2 dB, load independant 0,005%, -20 dBu, 20Hz- 20 kHz, 22 kHz BW DA conversion resolution: 24-bit, DC coupled

Network remote control

Connectors: Protocol:

Built-in Ethernet switch: IEEE 802.3 10Base-T/100Base-TX 3 x Neutrik EtherCon, Auto MDI-MDIX Proprietary UDP/IP based, SNMP

Mains

Connector: Voltage:

Neutrik PowerCon 32A Internal selectable 115V/230Vac 115V: 90-132Vac, 47-63Hz 230V: 180-264Vac, 47-63Hz 3600W

Power consumption:

User processing functions -80 to +15dB, 0,1dB steps

normal / inverted

Gain:

Polarity: Delay: Duration: Distance: Temperature: Relative humidity:

0 to 1500ms, sample rate depend steps, 0 to 500m -20 to 50°C (-4 to 122°F), 0,1° steps 0 to 100%, 0,1% steps

PEQ:

Bands Filter types:

12 Bell-Symmetrical, Bell-Asymmetrical, Notch, Low-Shelving 6dB/oct, Low-Shelving 12dB/oct, High-Shelving 6dB/oct, High-Shelving 12dB/oct, All-Pass 90°, All-Pass 180°, High-Pass 6dB/oct, High-Pass 12dB/oct, High-Pass Vari-Q 12dB/oct, Low-Pass 6dB/oct, Low-Pass 12dB/oct, Low-Pass Vari-Q 12dB/oct, Band-Pass 10Hz to 22kHz, 0,1Hz steps -40 to +15dB, 0,1dB steps (when applicable) 0,1 to 48, 0,01 steps (when applicable)

Q: Compressor:

Frequency:

Gain:

Threshold:

Ratio: Knee: Attack time: Release time: Side-chain mode: Make-up gain:

-80 to 0dBfs, 0,1dB steps 1:1 to 20:1, 1 steps hard or soft 0,5 to 100ms, 0,1ms steps 5 to 5000ms, 0,1ms steps flat, high-pass or band-pass mode 0 to +10dB, 0,1dB steps

Source select functions

Sources: **Routing:**

Analog/AES-3/Dante enabled/disabled

Speaker processing functions Delay:

Duration: Distance: Temperature: Relative humidity:

0 to 1500ms, sample rate depend steps, 0 to 500m -20 to 50°C (-4 to 122°F), 0,1° steps 0 to 100%, 1% steps

Driver alignment:

Duration: Distance: 0 to 30ms, sample rate depend steps, 0 to 1029cm, 0,1cm steps (temperature and relative humidity independent)

PFQ

Bands Filter types: Frequency: Gain: Q:	12 Bell-Symmetrical, Bell-Asymmetrical, Notch, Low-Shelving 6dB/oct, Low- Shelving 12dB/oct, High-Shelving 6dB/oct, High-Shelving 12dB/oct, All- Pass 90°, All-Pass 180°, High-Pass 6dB/oct, High-Pass 12dB/oct, High-Pass Vari-Q 12dB/oct, Low-Pass 6dB/oct, Low-Pass 12dB/oct, Low-Pass Vari-Q 12dB/oct, Band-Pass 10Hz to 22kHz, 0,1Hz steps -40 to +15dB, 0,1dB steps (when applicable) 0,1 to 48, 0,01 steps (when applicable)
High-pass and low-pas	s crossover:
Filter types:	Butterworth 6 to 48dB/octave, 6dB steps Linkwitz-Riley 12 to 48dB/octave, 12dB steps Bessel 12 to 48dB/octave, 6dB steps
Frequency:	10Hz to 20kHz, 0,1Hz steps
FIR filters:	
At 48 kHz:	5 x 1024 taps or 8 x 512 taps
At 96 kHz	3×1024 taps or 8 x 512 taps
Gain:	-80 to ± 1.5 dB 0.1 dB steps
Polarity:	normal / inverted
Limiter:	
Type:	Dual-stage RMS + Peak limiter
RMS threshold:	-80 to 0 dBfs (or dBu equivalent) 0.1 dB steps
Peak threshold:	-80 to 0 dBfs (or dBu equivalent), 0,1 dB steps
RMS attack:	0 1 to 100 ms 0 1 ms steps
Peak attack:	Oms
Release:	5 to 5000 ms 0.1 ms steps
Operating	
Temperature:	0° to 50° C
Relative humidity:	10 to 60 % non-condensing
Storage	
Temperature:	-20° to 70° C

. Environment

Dimensions Unit Width: Height:

Depth:

483 mm (19-inch) 88 mm (2HE) 500 mm

560 mm 160 mm 560 mm

Mechanical specifications

Package	
Width:	
Height:	
Depth:	

Weight Unit (Nett): 15,5 kg

Package (Shipping): 17 kg















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