

# ZED<sup>®</sup>

POWER  
1000



ALLEN & HEATH<sup>®</sup>



## 2 X 500W - POWERED MIXER

ZED® Power 1000 is a rugged, reliable powered mixer, built to deliver outstanding audio quality night after night. Created for gigging musicians, schools, PA and AV rental companies, hotels and conference centres, ZED Power 1000 is the professional choice for power and performance.

## FEATURES

**Touring Grade Build Quality:** ZED Power 1000 is designed and built to Allen & Heath's legendary standards to ensure a long life in the toughest of live sounds environments. Like all ZED consoles, all channels are on individual, vertical circuit boards and all rotary controls are secured to the front panel with a steel nut to guard against impact damage.

**Pure Power:** Selected for maximum ruggedness and low distortion, ZED's amps pack enough power to comfortably rock 200-300 capacity venues with no distortion. The output can be set to feed L+R speakers, or Mono LR + Foldback, or Mono LR + Sub.

**Simple, Efficient, Portable:** ZED Power 1000 offers a super convenient solution for high quality PA on the move. The mixer weighs in at a modest 10.3kg (24lbs) and there is a tough carry handle built into the chassis, making it easy to take into the most challenging venues.

**USB Playback / Recording:** A flexible USB connection allows playback to / from a computer, so capturing a high quality stereo recording of the show or playing walk-in music or backing tracks from a laptop could not be simpler.

**Ultimate Guitar Tone:** Two of the mixer's high impedance jack inputs can take a normal line level or a low level input from a guitar pickup, so guitars can be plugged straight into the mixer without the need for DI boxes. These inputs have been crafted to recreate the sound of a classic tube preamp in a combo or head amp for incredible definition and warmth.

**Audio Quality:** The ZED preamps are developed by Allen & Heath's pre-eminent analogue designer, Mike Griffin, and have earned an enviable reputation in pro audio circles for their exceptionally low noise and high headroom. Our passion for quality extends to the FX. Put simply, cheap FX sound cheap. That's why we decided to invest the energies of our R&D team in crafting 16 of our own time-delay FX that we are proud to put our name to.

**100% Professional:** Professional touches like outputs on XLRs, inserts on the masters and sweepable mids on the EQ set ZED Power 1000 apart from the many semi-pro powered mixers on the market. Our attention to detail can also be felt from the Neutrik jacks and XLRs right through to the smooth glide ALPS faders – we don't use the cheap components found in budget mixers.



High specification Neutrik XLRs + TRS Jack connectors

2 line inputs with switchable Class A FET high impedance for ultimate guitar tone

16 Studio Quality FX with Tap Tempo and parameter control

USB Playback / Recording

Low-Pass Filter to feed subwoofers from Mono line out / power amp

48V Phantom Power

12 Segment Output Metering

Built-in Limiter to protect speaker drivers

Flexible Monitoring

High Pass Filter

3 Band British EQ with swept mid

Steel nuts securing all rotary controls

Separate Recording Bus

Channel Mutes with LEDs

60mm pro quality ALPS® faders

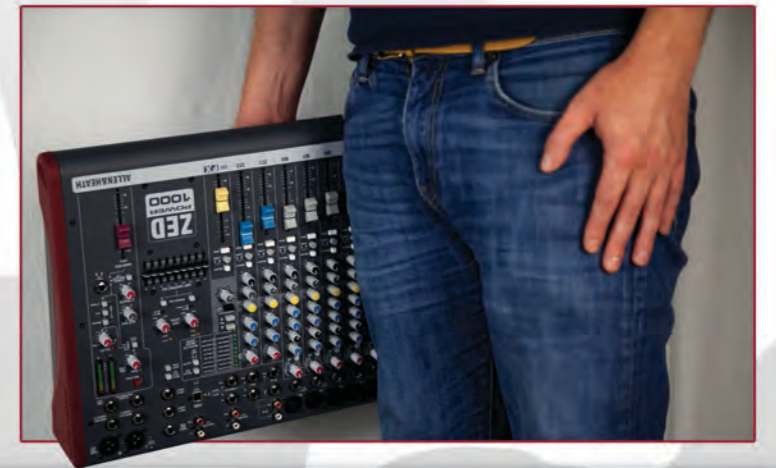
Recessed Carry Handle

9 Band Graphic EQ

2x500W Amps can be switched to feed L+R speakers or Mono LR + Foldback

Gain Boost Switches

speakON® Speaker connectors



Padded Carry case Sold Separately





**2** X 500W  
POWER AMP

**8** MIC/LINE  
INPUTS

**2** STEREO  
INPUTS

**1** AUX +  
FX SEND

**9** BAND  
GRAPHIC EQ

**RECORD BUS**



16 time-delay FX, designed for small groups who don't want to carry around an effects unit with their gear but who still want great quality FX at their gigs and on their recordings. Our DSP engineers worked hard, crafting and refining beautiful reverb algorithms to enhance every performance.



Two of ZED Power 1000's channels have high impedance jack inputs capable of taking either a normal line level or a low level input from a guitar pickup. These Guitar DI inputs replicate the sound of a classic guitar or instrument tube preamp in a combo or head amp. An extremely high input impedance ensures loading on pickups is minimal and a Class A FET (field effect transistor) circuit powered from 48V is employed to give the valve-like gain stage. There is a gain Boost switch associated with the guitar inputs which boosts gain by 26dB to cater for instruments with very low level outputs and the overdrive characteristics of the guitar inputs are very similar to a valve circuit, being asymmetric and soft. All this makes for a wonderfully warm, natural tone that conveys the full character of the instrument.



ZED Power 1000 features our responsive 3-band British EQ with sweepable mid frequency that is acclaimed for its musicality, even when applying extreme creative or corrective equalisation. All EQ controls have been carefully calibrated for responsiveness and smooth, precise adjustment.



A flexible USB connection allows playback to / from a computer, so capturing a high quality stereo recording of the show or playing walk-in music or backing tracks from a laptop could not be simpler. There are several send/return configurations to fit your workflow:

Send options:

- 1) Main Mix Left + Right
- 2) Aux + FX bus
- 3) Record Bus Left + Right

Return options:

- 1) To Playback input
- 2) To Stereo 2 channel

# Specifications

## Input Operating Levels

Mono channel (XLR) Input	-10 to -60dBu for nominal (+11dBu in max)
Mono channel Line Input (Jack socket)	+10 to -40dBu (+31dBu maximum)
Stereo Input (Jack or phono sockets)	0dBu nominal (control = Off to +15dB)

## Output Operating Levels

L/R Outputs (XLR) Normal/DI out	0dBu/-30dBu +21dBu/-9dBu maximum.
Aux & FX Outputs (Jack sockets)	0dBu nominal. +21dBu maximum.

## Frequency Response

Mic in to Mix L/R Out, 30dB gain	+0.5/-1dB 10Hz to 30kHz.
Line in to Mix L/R out 0dB gain	+0.5/-1dB 10Hz to 25kHz

## THD+n

Mic in to Mix L/R Out, 10dB gain 1kHz +10dBu out	0.002%
Mic in to Mix L/R Out, 30dB gain 1kHz +10dBu out	0.006%
Line in to Mix L/R out 0dB gain 1kHz +10dBu out	0.003%
Stereo in to Mix L/R out 0dB gain 1kHz +10dBu out	0.007%

## Headroom

Analogue Headroom from nominal (0Vu)	21dB
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## Noise

Mic Pre EIN @ max gain 150R input Z 22-22kHz	-127dBu
Mix L/R out, L/R faders = 0, Levels min, 22-22kHz	-93dBu

## USB Audio CODEC (Coder/Decoder)

USB Audio In/Out	USB 1.1 compliant 16bit.
Sample Rate	32, 44.1, or 48kHz

## Amplifier specification

Amp	Class D 500W + 500W with toroidal linear PSU. 9 band 2 channel graphic EQ.
Speaker impedance	4 to 8 ohms
Protection	Amp thermal shutdown, Transformer resettable thermal fuse, Over and under voltage shutdown, DC offset shutdown, Backup crowbar protection, Over current protection.

## Performance

THD both channels, 200W RMS 1kHz sine wave, 4 ohm loads	0.3%
Music power with 40% duty cycle, 1kHz sine into single/dual 4 ohm load, <1% distortion	500W / 450W
Music power with 40% duty cycle, 1kHz sine into single/dual 8 ohm load, <1% distortion	285W / 265W