

MINI MIXERS

2 BUS MIXERS

4 BUS MIXERS

RECORDING MIXERS

ZED SERIES



ALLEN & HEATH

THE ZED RANGE IS THE PREMIUM CHOICE OF ANALOGUE MIXER FOR BANDS, SMALL RENTAL COMPANIES, SINGER SONGWRITERS AND STUDIO ARTISTS. ZED MIXERS OFFER MANY SOURCES TO THE MIX, UP TO 6 AUX SENDS, A USB SEND AND RETURN, A UNIQUE DUAL STEREO INPUT CAPABILITY AND SOPHISTICATED MONITORING FACILITIES. ZED'S FEATURE SET IS INCREDIBLY ADVANCED, OFFERING A GREAT MIXING SOLUTION WHEREVER YOU ARE, WHATEVER YOU'RE DOING—PLAYING LIVE, IN THE STUDIO, OR AT HOME, ZED WILL SUIT YOUR APPLICATION PERFECTLY.

SOLID CONSTRUCTION

All ZED mixers are built to the same exacting standards as our industry standard GL series, with individual, vertically mounted circuit boards and potentiometers securely bolted to the top panel. Compare a ZED to one of the many budget brands out there and you'll immediately feel the difference.

SOUND QUALITY

The innovative preamp designs used on ZED mixers were created by Mike Griffin and deliver phenomenal clarity, ultra-low noise and massive headroom.

The MusiQ 3 and 4 band British EQ designs employed across the range are widely acclaimed for their exceptional musicality and even, responsive control. Our in-house DSP gurus crafted the FX algorithms used by the ZED-FX mixers – these were tailor-made for the ZED series so you won't find them anywhere else. OK, we're biased, but we think you'd have to spend a lot of money on high-end outboard gear to get FX that come anywhere close.

VERSATILITY

ZED mixers are earning a living across the globe in every mixing role imaginable, including corporate and AV mixing, live performance mixing, live recording, studio recording or mixing down, or just capturing that song idea. The addition of USB makes it super-easy to hook your ZED up to a computer, and the wealth of signal routing options lets you fit ZED perfectly into your workflow.



ZED

22 FX



16 MIC/LINE INPUTS

3 STEREO INPUTS

ON BOARD FX

3 AUXES +
1 FX SEND

FEATURES

- 16 mono channels
- 3 stereo channels with 2-band EQ and inputs for extra sources
- 16 internal time-delay effects
- Neutrik mic XLR
- Neutrik 1/4 inch jacks
- Channel insert
- Super wide gain mic/line input
- 3 band EQ with MusiQ
- 2 pre-fade Aux sends
- 1 post-fade Aux send
- 1 internal FX send
- Illuminated mute
- Sound image pan
- Illuminated PFL & peak warning indicator
- ALPS 100mm faders
- Stereo returns & playback
- All inputs with level control
- 12 bar meters
- Mono/stereo function on auxes 1&2
- Monitor output section
- Alt stereo output source
- Configurable USB stereo audio in/out
- Cakewalk SONAR X1 LE bundled with mixer



TECH SPECS

Operating Levels: Inputs

Mono channel (XLR) Input +6 to -63dBu for nominal (+17dBu in max)
Mono channel Line Input (Jack socket) +10 to -26dBu (+30dBu maximum)
Insert point (TRS Jack socket) 0dBu nominal +21dBu maximum
Stereo Input (Jack sockets) 0dBu nominal (control = Off to +10dB)
Stereo input (phono sockets) 0dBu nominal (control = Off to +10dB)

Outputs

L, R & Mono Outputs (L&R XLR, Mono Jack) 0dBu nominal. +21dBu maximum
Aux Outputs (Jack sockets) 0dBu nominal. +21dBu maximum
Alt Outputs (phono sockets) 0dBu nominal. +21dBu maximum
Rec Outputs (phono sockets) 0dBu nominal. +21dBu maximum

Frequency Response

Mic in to Mix L/R Out, 30dB gain +0.5/-1dB 20Hz to 20kHz
Line in to Mix L/R out 0dB gain +0.5/-1dB 10Hz to 30kHz
Stereo in to Mix L/R out +0.5/-1dB 10Hz to 30kHz

THD + n

Mic in to Mix L/R Out, 0dB gain 1kHz +10dBu out 0.004%
Mic in to Mix L/R Out, 30dB gain 1kHz 0.014%
Line in to Mix L/R out 0dB gain 0dBu 1kHz 0.005%
Stereo in to Mix L/R out 0dB gain +10dBu 1kHz 0.003%

Headroom

Analogue Headroom from nominal (0Vu) 21dB
USB in & out headroom from nominal (0Vu) 14dB

Noise

Mic Pre EIN @ max gain 150R input Z 22-22kHz -127dBu
Mix L/R out, L/R faders = 0, 22-22kHz -88dBu (ZED-14)
Mix L/R out, L/R faders = 0, 22-22kHz -84dBu (ZED-24)

USB Audio CODEC (Coder/Decoder)

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



DUOPRE

Based on the proven preamps from the hugely successful PA series, ZED 2-bus and 4-bus mixers have DuoPre preamps, which use a two stage design with carefully controlled amounts of gain in each stage. When amplifying the signal from the XLR input, the gain range is huge—69dB of range to be exact—and is very evenly distributed around the gain control, meaning better control of signal level. Most of the gain comes from the first stage, so unwanted noise is kept to a minimum. Line level signals are simply plugged into the second stage of the preamp by using the line input jack socket, which has the great advantages of less noise and matching to a higher input impedance.



MUSIQ - 3 BAND

ZED 2-bus consoles feature a 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.



USB AUDIO FLEXIBILITY

ZED makes it easy to get audio to and from your computer for live sound and music production. The way this has been implemented on ZED is super-flexible and super-easy. No longer do you need to fiddle around the back of your PC to get to the soundcard inputs, only to find that the levels are all wrong and noisy. Just plug in a USB lead, select the USB routing on the mixer and the device on your computer and that's it! CD quality audio to and from your PC or Mac. Switches and connection through jack socket terminals provide different send/return configurations.

ZED-12FX / ZED-16FX / ZED-22FX

Send options

- 1) Main Mix Left + Right (Post-fade)
- 2) Main Mix Left + Right (Pre-Fade)
- 3) Auxes 1-2
- 4) Auxes 3-FX

Return options:

- 1) To Stereo 3 channel

ZED-14 / ZED-18 / ZED-24

Send options:

- 1) Main Mix Left + Right (Post-fade)
- 2) Main Mix Left + Right (Pre-Fade)
- 3) Auxes 1-2
- 4) Auxes 3-4

Return options:

- 1) To Stereo 3 channel



ZED-FX

The ZED-12FX, ZED-16FX and ZED-22FX have an essential selection of 16 time-delay effects, designed for performers who don't want to carry 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. These effects are available nowhere else—this quality and integration is only available from the ZED-FX. ZED effects are easily controlled using 3 buttons with 9 display LEDs. For example, the ideal delay time can be quickly tapped-in, or the perfect amount of reverb on the lead vocal can be dialled-in. There is one-stop navigation and editing—in fact, it's just as easy as using FX pedals.



SONAR X1 LE - PROVIDED FREE!

We've included Cakewalk Sonar X1 LE with ZED 2-bus mixers, so you can immediately start to use it to create your own music—just add a PC and it couldn't be easier to get going. You'll be able to record from your ZED mixer, create tracks and arrange songs, then play back to ZED via the USB port. You can use Sonar and your mixer together in many ways—e.g. straightforward recording of a stereo mix, recording 2 tracks individually to build up a song, or using the USB port and software as an FX loop.





ALLEN & HEATH

AP7205 ISSUE 5

WWW.ALLEN-HEATH.COM



ALLENANDHEATHUK



ALLENHEATHOFFICIAL



ALLEN_HEATH