

# ZED 16FX



**10** MIC/LINE INPUTS

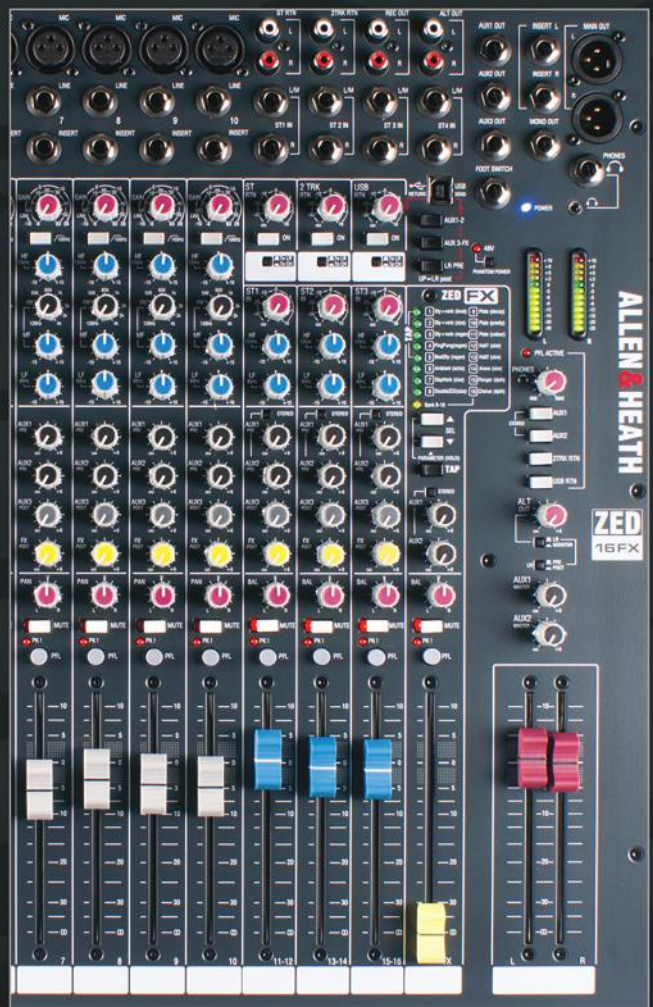
**3** STEREO INPUTS

**3** AUXES +  
1 FX SEND

ON BOARD FX

## FEATURES

- 10 mono mic/line inputs
- 3 stereo channels with 2-band EQ
- 16 internal time-delay effects
- Neutrik mic XLRs
- 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
- Rack ears available





# 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.







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