

# ZED

## SIXTY 10FX



**4** MIC/LINE INPUTS

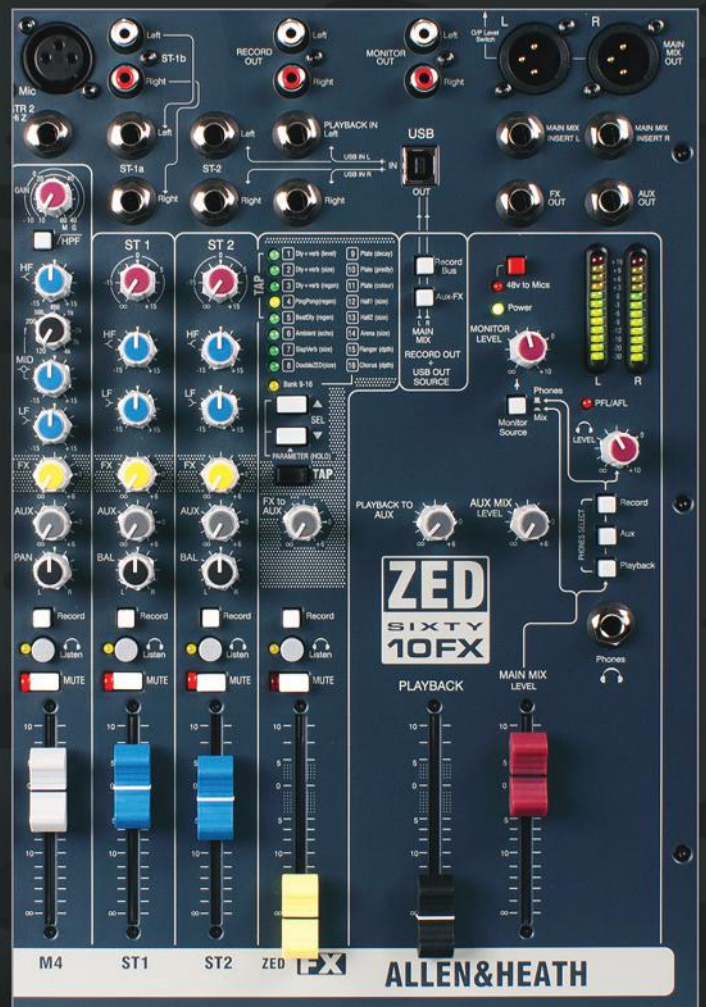
**2** STEREO INPUTS

**1** AUX +  
**1** FX SEND

**ON BOARD FX**

## FEATURES

- 4 mic/line inputs, 2 with Class A FET high impedance
- 60mm professional quality faders
- 3-band, swept mid EQ with MusiQ
- Configurable USB stereo audio in/out
- 1 pre-fade Aux send
- 1 FX send
- 2 stereo inputs
- Separate 2-track record outputs
- 16 Internal Effects
- XLR main stereo outputs with inserts
- Comprehensive monitoring
- 48V microphone phantom power
- DI level switching with Gain Boost
- Neutrik XLRs and 1/4 inch jacks



# TECH SPECS

## Operating Levels: Inputs

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)

## Outputs

L/R Outputs (XLR) 0dBu nominal. +21dBu maximum.  
Aux & FX Outputs (Jack sockets) 0dBu nominal. +21dBu maximum.  
Record & Monitor Outputs (phono 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 30kHz.  
Stereo in to Mix L/R out +0.5/-1dB 10Hz to 30kHz.

## 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 0.01%  
Line in to Mix L/R out 0dB gain 0dBu 1kHz 0.003%  
Stereo in to Mix L/R out 0dB gain +10dBu 1kHz 0.002%  
Gtr Input to Mix L/R Out, 0dBu, Boost IN 0.015%  
Gtr Input to Mix L/R Out, 0dBu, Boost IN 2% Second Harmonic

## 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, Levels min, 22-22kHz -96dBu  
Mix L/R out, L/R faders = 0, Levels min, 22-22kHz -96dBu

## USB Audio CODEC (Coder/Decoder)

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



## GUITAR DI

The preamp for ZED-10, 10FX, ZED60-10FX and ZED60-14FX is an evolution from the design employed on our MixWizard series, but with a twist. Two of the channels have a high impedance jack input 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.



## MUSIQ - 3 BAND

ZED Mini mixers 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-10FX / ZED60-10FX / ZED60-14FX

### Send options:

- 1) Main Mix Left + Right (Post master Level)
- 2) Aux + FX bus (Aux is a pre-fade send, FX is a post-fade send)
- 3) Record Bus Left + Right (Separate stereo bus to Main Mix)

### Return options:

- 1) To Playback input (through jack socket break contacts)
- 2) To Stereo 2 channel (through jack socket break contacts)

## ZED-10

### Send options:

- 1) Main Mix Left + Right (Post master Level)
- 2) Aux + FX bus (Aux is a pre-fade send, FX is a post-fade send)
- 3) Record Bus Left + Right (Separate stereo bus to Main Mix)

### Return Options:

- 1) To Playback input (through jack socket break contacts)
- 2) To Stereo 2 channel (through jack socket break contacts)



## ZED-FX

ZED-10FX, ZED60-10FX and ZED60-14FX 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.





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