

Allen & Heath ZED-12FX Specs

Inputs & Outputs

Mic Inputs	6 x XLR, balanced
Line In	Channels 1 to 6: 6 x 1/4" / 6.3 mm, balanced or unbalanced (mono) Stereo Input 1 (CH 7/8): 2 x 1/4" / 6.3 mm, balanced or unbalanced (L/R) Stereo Input 2 (CH 9/10) 2 x 1/4" / 6.3 mm, balanced or unbalanced (L/R) Stereo Input 3 (CH 11/12) 2 x 1/4" / 6.3 mm, balanced or unbalanced (L/R) Stereo RTN: 2 x RCA 2-Track RTN: 2 x RCA
Inserts	Channels 1 to 6, Send/Return: 6 x 1/4" / 6.3 mm Stereo Bus, Send/Return: 2 x 1/4" / 6.3 mm
Main Output	2 x XLR, balanced (L/R) 1 x 1/4" / 6.3 mm mono sum of main L/R (post-fade signals)
Effect Sends	2 x 1/4" / 6.3 mm Aux outputs (pre-fade send) 1 x 1/4" / 6.3 mm Aux output (post-

fade send)
1 x Internal FX send to onboard effects, post-fade send

Headphone
1 x 1/4" / 6.3 mm, stereo
1 x 1/8" / 3.5 mm, stereo

Record Output
Record Output: 2 x RCA
Alt Output: 2 x RCA

USB
USB stereo I/O

Effects

DSP
48 kHz / 24-bit

Controls
Tap button
Up/down button

Operating Levels

Input
Mono Channel (XLR) Input: +6 to -63 dBu (nominal), +17 dBu (maximum)
Mono Channel Line Input (1/4" Jack): +10 to -26 dBu, +30 dBu (maximum)
Stereo Input (1/4" Jack or RCA): 0 dBu (nominal), control = Off to +10 dB

Output	L/R and Mono XLR Outputs: 0 dBu (nominal), +21 dBu (maximum)
	Aux Outputs (1/4" Jacks): 0 dBu (nominal), +21 dBu (maximum)
	Alt Outputs (RCA Jacks): 0 dBu (nominal), +21 dBu (maximum)
	Rec Outputs (RCA Jacks): 0 dBu (nominal), +21 dBu (maximum)

Frequency Response

Mic Input	Mic In to Mix L/R Out, 30 dB Gain: +0.5/-1 dB, 20 Hz to 20 kHz
Line Input	Line In to Mix L/R Out, 0 dB Gain: +0.5/-1 dB, 10 Hz to 30 kHz
Stereo Input	Stereo In to Mix L/R Out: +0.5/-1 dB, 10 Hz to 30 kHz

THD + N

Mic Input	Mic In to Mix L/R Out, 0 dB Gain, 1 kHz, +10 dBu Out: 0.004%
	Mic In to Mix L/R Out, 30 dB Gain, 1 kHz: 0.014%
Line Input	Line In to Mix L/R Out, 0 dB Gain, 0 dBu, 1 kHz: 0.005%

Stereo Input

Stereo In to Mix L/R Out, 0 dB Gain,
+10 dBu, 1 kHz: 0.003%

Headroom

Analog

Analog Headroom from Nominal (0
Vu): 21 dB

USB

USB I/O Headroom from Nominal (0
Vu): 14 dB

Noise

Microphone

Mic Pre EIN at Maximum Gain, 150
Ohm Source Impedance, 22 Hz to 22
kHz: -127 dBu

Mix L/R

Mix L/R Out, L/R Faders = 0, Levels
Minimum, 22 Hz to 22 kHz: -88 dBu

USB Audio Codec

USB Compliance

USB Audio In/Out: USB 1.1-
compliant, 16-bit

Mac, Windows

Sample Rate

32, 44.1, 48 kHz

General

Phantom Power	48 V, switchable
---------------	------------------

Power	100-240 V, 47/63 Hz, 40 W (maximum)
-------	--

Dimensions (L x D x H)	15.2 x 18.3 x 3.9" / 38.6 x 46.5 x 9.9 cm
------------------------	--

Weight	14.3 lb / 6.5 kg
--------	------------------

Packaging Info

Package Weight	20 lb
----------------	-------

Box Dimensions (LxWxH)	25 x 21 x 10"
------------------------	---------------
