

www.allen-heath.com/zed www.myspace.com/thezedspace

sales@allen-heath.com t:+44 [1326] 372070

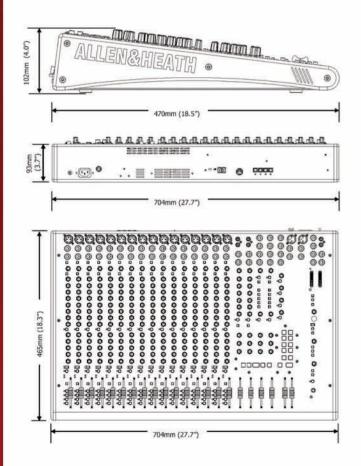
TECHNICAL SPECIFICATIONS

Operating Levels

Mono channel (XLR) Input -6 to -60dBu for nominal (+14dBu in max) Mono channel Line Input (Jack socket) +14 to -40dBu (+34dBu maximum) Insert point (TRS Jack socket) 0dBu nominal +21dBu maximum Stereo Input (Jack sockets) OdBu nominal (control = Off to +10dB)Stereo input (phono sockets) OdBu nominal (control = Off to +10dB)2 Track Input (phono sockets) 0dBu nominal +21dBu maximum

Outputs

Min (2 Track 1) L-R (XLR) +4dBu nominal. +27dBu maximum. L-R Insert (TRS Jack socket) OdBu nominal +21dBu maximum 2 Track 2 Outputs (Jack sockets) OdBu nominal. +21dBu maximum. All other analogue outputs 0 nominal +21dBu maximum



Weight kg (lb)		
	Unpacked	Packed
ZED-R16	14 (31 lb)	17.5 (38.5 lb)

Frequency Response

Mic in to Mix L/R Out, 30dB gain +/-0.5dB 20Hz to 140kHz. Line in to Mix L/R out 0dB gain +/-0.5dB 20Hz to 20kHz Stereo in to Mix L/R out +/-0.5dB 20Hz to 40kHz

THD+n

Mic in to Mix L/R Out, 6dB gain 1kHz + 10dBu out 0.0025%Mic in to Mix L/R Out, 30dB gain 1kHz 0.0045% Line in to Mix L/R out 0dB gain +10dBu 1kHz 0.003% Stereo in to Mix L/R out 0dB gain +10dBu 1kHz0.004%

Headroom

Analogue Headroom from nominal (0Vu) Digital converter headroom from nominal analogue (0Vu) 16dB

Digital Performance

Analogue to Digital conversion 24bit 114dB dynamic range (A wtd) Digital to Analogue conversion 24bit 118dB dynamic range (A wtd) Sample Rate 44.1, 48, 88.2, 96kHz

Mix Noise, LR out, 16 channels routed, Ref +4dBu, 22-22kHz -88dB (-84dBu) Mix Noise, Aux 1-4 out, sends minimum, masters at unity 22-22kHz -86dBu Mic Pre EIN @ 60dB gain 150R input Z 22-22kHz -128.5dBu

MIDI

Fader and Rotary values 0-127 MIDI switches Note on/note off Transport control MIDI machine control MIDI channel Default 16. User settable

Power consumption 48W

JetPLL

TC Applied Technologies JetPLL™ jitter reduction technology.

- Ensures our analogue/digital converters work to their optimum level, and allow great separation between channels.
- Filters jitter by 100dB, preventing audio artefacts caused by interference patterns between timing clocks.
- · Allows fast synchronisation to other networked devices and compatibility with a wide range of audio equipment.



16 Channel FireWire Recording Mixer





THE ESSENTIAL MIX









PREAMP

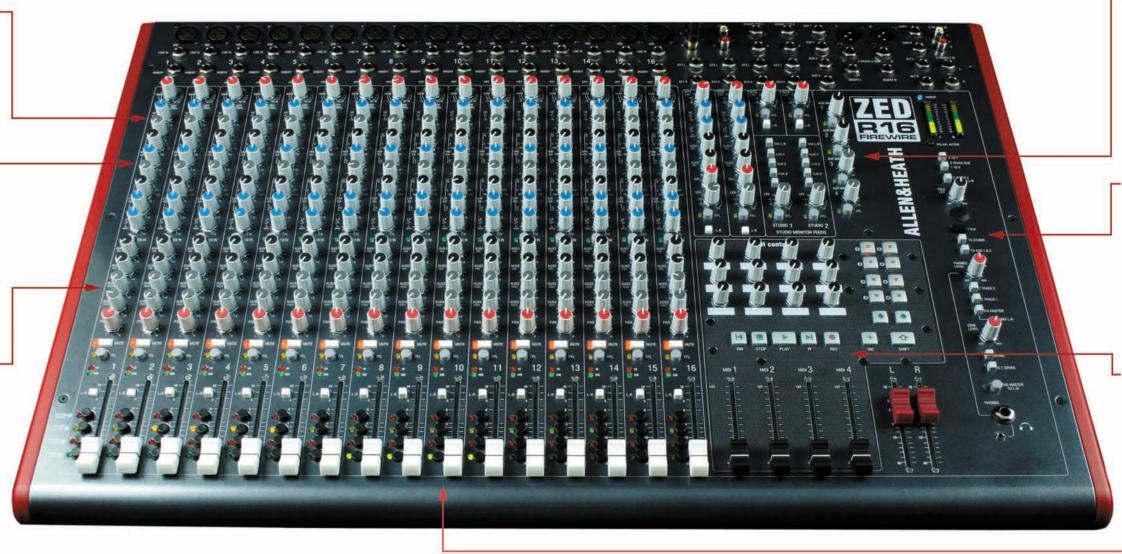
The ZED-R16 has a two stage pre-amp design, which allows carefully controlled amounts of gain in each stage. This low-noise design utilises the same components and has a similar design to those in our large touring desks - so ZED's sound quality is assured.

EQ

Complete with two swept, fully parametric mids, and high and low shelving EQ, the ZED-R16 has a sophisticated equalisation section without rival in this section of the market. It has much in common with our class-leading pro touring mixers. Forty years of analogue mixer design has given us an unparalleled knowledge of filtering.

AUX SENDS

Two pre and two post aux buses can be used as feeds for headphone amplifiers in the studio, FX sends anywhere, or wedge foldback live. The talkback function is either routed to the aux or studio outputs, so is ideal for any environment.



STUDIO FEEDS

Similar to the matrix function on A&H ML, GL and Wizard mixers, two separate live room mix feeds can be individually fed from aux buses or the LR main mix. Foldback to the musicians can be tailored to give the bassist a drum heavy mix and the vocalist (in a separate booth) more keys...

MONITOR SECTION

The ZED-R has two signal paths for monitoring: an output for main control room monitors and outputs for an alternative set of monitors for checking mixes. The control room mix can follow either of the two main analogue outputs or the digital main mix, allowing access to all main audio outs.

MIDI SOFTWARE CONTROL

The MIDI section on the ZED-R has been designed to control software transport, with extra mappable controllers ready to be user assigned. With recording now truly in the digital age, ZED-R16 brings the home studio bang up to date.

In addition to the ZED-R16's dedicated MIDI controls, all of the channel faders can be switched to become MIDI controllers.

- FIREWIR

The digital audio connections are all present on the rear of the desk. Two FireWire connectors allow the ZED-R to be connected to a personal computer whilst the second socket daisy-chains devices. Two switches change the sample rate and routing selection, while 4 connectors allow input and output to ADAT equipment.



