

Allen & Heath WZ4 Specs

Performance

Maximum Output Level	XLR - +26 dBu into 600 ohms max load 1/4" jack - +21 dBu into 2k ohm max load
Headroom	Channels +21 dB Mix +23 dB
Metering	3-color LED, quasi peak response: Sensitivity - 0VU = +4 dBu at XLR output Master meters - 12-segment -30 to +16 dB Channel meters - 2-segment -12, +16 dB (5 dB before clip)
Frequency Response	10 Hz to 30 kHz (+/-0.5 dB)
THD + N	Channel to mix out < 0.004% (at +10 dBu 1 kHz)
Crosstalk	Fader shutoff > 90 dB (at 1 kHz) Mute shutoff > 90 dB (at 1 kHz) Inter channel > 90 dB (at 1 kHz)
Noise	Mic EIN, -127 dB, (rms 22 Hz to 22 kHz) Residual output noise, < -95 dBu (-99 dB S/N), (rms 22 Hz to 22 kHz)

LR unity fader mix noise, < -83 dBu
(-87 dB S/N), (rms 22 Hz to 22 kHz)

High-Pass Filter 12 dB/octave below 80 Hz, (channel)

Equalization

EQ:
HF shelving, +/-15 dB, 12 kHz
HM peak/dip, +/-15 dB, 500 Hz to 15 kHz, Q = 1.8
LM peak/dip, +/-15 dB, 35 Hz to 1kHz, Q = 1.8
LF shelving, +/-15 dB, 80 Hz

Stereo EQ
HF Shelving ± 15 dB, 12 kHz
HM Peak/dip ± 15 dB, 2.5 kHz, Q=1.8
LM Peak/dip ± 15 dB, 250 Hz, Q=1.8
LF Shelving, ± 15 dB, 80 Hz

Power Supply 100 - 240 V, 50/60 Hz auto sensing,
IEC input
Power consumption 45 W max
Mains fuse T630 mA L 20 mm

I/O Connections

Connections

Mono channel:

XLR balanced pin 2 hot, -60 to +10 dBu, sensitivity
TRS balanced tip hot, -40 to +10 dBu, sensitivity
Pad out (MIC), 2 k Ω
Pad in (MIC or LINE), >10 k Ω , -20 dB
Max input level, +30 dBu
XLR phantom power, +48 V, on/off

Stereo channel:

ST1, 3 TRS unbalanced >10 k Ω , -16

to +20 dBu
ST2, 4 TRS balanced > 10 k Ω , -16 to +20 dBu

Stereo returns:

ST1(5) TRS balanced > 10 k Ω , -6 to +20 dBu
ST2(6) TRS unbalanced > 2 k Ω , -2 to +20 dBu

Inserts:

Channel TRS, tip send, ring return, 0 dBu
Output TRS, tip send, ring return, -2 dBu

L, R, M outputs:

XLR balanced pin 2 hot, <75 Ω , +4 dBu, +26 dBu max

Aux 1-6 output

TRS impedance balanced, <75 Ω , -2 dBu, +21 dBu max
Electronic balance option, <75 Ω , +4 dBu, +26 dBu max

Direct out:

TRS impedance balanced, <75 Ω , 0 dBu, +21 dBu max

AB out:

TRS impedance balanced, <75 Ω , -2 dBu, +21 dBu max

Headphones:

TRS, tip L, ring R, 30 to 600 Ω
headphones recommended

Lamp:

4-pin XLR, max 12 V 5 W lamp

Dimensions	20 x 20.9 x 7.7" (507 x 530 x 194 mm), (free standing) 19 x 4.8 x 17.5" (483 x 122 x 444 mm), (rack mounted, 10U, underside connectors) 19 x 7.6 x 19.6" (483 x 193 x 497 mm), (rack mounted, 11.2U, rear connectors)
------------	--

Weight	28 lb (13 kg)
--------	---------------

Packaging Info

Package Weight	37.1 lb
----------------	---------

Box Dimensions (LxWxH)	25 x 24 x 13.5"
------------------------	-----------------
