

# Allen & Heath WZ4 Specs

## Performance

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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)

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

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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  $\pm 15$  dB, 12 kHz  
HM Peak/dip  $\pm 15$  dB, 2.5 kHz, Q=1.8  
LM Peak/dip  $\pm 15$  dB, 250 Hz, Q=1.8  
LF Shelving,  $\pm 15$  dB, 80 Hz

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

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## I/O Connections

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### 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 $\Omega$   
Pad in (MIC or LINE), >10 k $\Omega$ , -20 dB  
Max input level, +30 dBu  
XLR phantom power, +48 V, on/off

#### **Stereo channel:**

ST1, 3 TRS unbalanced >10 k $\Omega$ , -16

to +20 dBu  
ST2, 4 TRS balanced > 10 k $\Omega$ , -16 to  
+20 dBu

**Stereo returns:**

ST1(5) TRS balanced > 10 k $\Omega$ , -6 to  
+20 dBu  
ST2(6) TRS unbalanced > 2 k $\Omega$ , -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  $\Omega$ , +4  
dBu, +26 dBu max

**Aux 1-6 output**

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

**Direct out:**

TRS impedance balanced, <75  $\Omega$ , 0  
dBu, +21 dBu max

**AB out:**

TRS impedance balanced, <75  $\Omega$ , -2  
dBu, +21 dBu max

**Headphones:**

TRS, tip L, ring R, 30 to 600  $\Omega$   
headphones recommended

**Lamp:**

4-pin XLR, max 12 V 5 W lamp

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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)
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Weight	24 lb (11 kg)
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## Packaging Info

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Package Weight	35 lb
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Box Dimensions (LxWxH)	24.5 x 23 x 13.5"
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