

desk / rack mount  
12 buss live sound  
console



The **WZ14:4:2+** mixer was originally designed for hire companies who needed something to work with the kind of compact systems they send out on all kinds of smaller gigs. With its dual function front-of-house and monitor mixing modes and 19" rackmount capability, **WZ14:4:2+** certainly meets that brief, but it's also won the trust of many churches, theatres, bands, film and location recording professionals and others who needed a small, high quality and incredibly flexible mixer.

#### FEATURES:

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|------------------------------|--|
| <b>Dual Functionality</b>    | → GRP/Aux mode switches <b>reverse</b> aux master section with the group and LR faders, giving up to <b>6 monitor sends</b> with inserts on 100mm faders. Another under panel switch converts the Mono <b>control</b> and <b>XLR</b> out to an engineer's <b>listen wedge</b> output   |
| <b>Mono Inputs</b>           | → <b>10 mic / line</b> channels with switchable <b>4 band EQ</b> , <b>HPF</b> , individual <b>phantom power</b> , <b>6 auxes</b> , <b>on</b> switch with led and <b>100mm</b> smooth action fader. A <b>direct out</b> and <b>insert</b> using all-metal TRS jacks are provided  |
| <b>Dual Stereo Channels</b>  | → The WZ14:4:2+ has 2 dual stereo input channels as standard. A <b>[RCA]</b> & B <b>[TRS]</b> jacks have separate gain controls and 'on' switch. Each stereo channel has a <b>4 band EQ</b> and mono summing switch  |
| <b>4 Audio Groups</b>        | → Assigned from paired routing buttons and pan from channels. Groups access LR busses via a pan control. Groups have XLR outputs, 3 colour meters and inserts in GRP mode  |
| <b>6 Auxiliary Sends</b>     | → <b>6</b> auxiliaries, switchable pre/post fade in blocks: 1-4, 5-6. Aux masters are rotary controls with AFL and can feed XLR outputs with inserts when the GRP/Aux reverse switches are pressed   |
| <b>4 Band EQ plus HPF</b>    | → <b>Separate</b> controls for <b>sweep</b> and <b>cut/boost</b> on mid bands. <b>HPF @ 100Hz</b> is switchable  |
| <b>4 Stereo Returns</b>      | → <b>[TRS]</b> line inputs routing via level controls to a corresponding aux plus L&R. <b>PFL</b> is included  |
| <b>Engineer's Toolbox</b>    | → <b>Headphone</b> and <b>wedge</b> monitor controls. <b>PFL / AFL</b> on all sections with led indication. <b>Peak</b> led on channels. <b>4 segment</b> , <b>3 colour led meters</b> on GRP/Aux. <b>12 segment bar meter</b> on L & R follows the <b>PAFL</b> system. Channels have direct outs <b>[TRS]</b> for recording. <b>2 track record / monitoring / replay</b> . <b>Talkback</b> with trim to all auxes. <b>Oscillator</b> and <b>pink noise</b> generator are provided for line-up |
| <b>PSU</b>                   | → High performance internal switched-mode power supply. Universal mains input voltage  |
| <b>Configuration Options</b> | → <b>Internal links to configure:</b> pre fade aux sends as pre EQ. Isolate pre-fade aux from channel on. Pre-fade direct out. Stereo channel to feed L signal to odd auxes and R signal to even auxes   |

# WZ 14:4:2+



## Technical Specifications

0dBu = 0.775 Volts rms      0dBu = 1 Volt rms

### Maximum output level

XLR and jack      +25dBu      into 2k ohm load

### Internal headroom

Mix to output      +23dB  
Channels      +21dB  
Peak LEDs      Turn on 5dB before clipping

### Meters

L,R:      Peak reading 12 segment, 3 colour, led bars  
Auxes/Groups+L,R (6 meters)      4 segment led

### Frequency response

20Hz to 50kHz      +0/-1dB

### Total harmonic distortion THD+noise measured at +14dBu 1kHz

Channel to mix output      < 0.006%

### Crosstalk measured at 1kHz, ref driven channel

Channel fader down      < -90dB  
Channel off      < -90dB

### Noise measured rms 22Hz to 22kHz

Mic EIN referred to 150 ohm source      <-128dB  
L-R residual output noise      <-97dBu (101dB S/N)  
L-R faders unity mix noise      <-87dBu (-91dB S/N)

### Mains power Internal unit, linear regulated

AC mains input      100 to 240V AC @ 50/60Hz  
Switch mode power supply with autosensing

### Power consumption 35W max

Mains fuse rating      T630mA 20mm  
100-120V AC use      T315mA 20mm  
220-240V AC use

### Mechanical specifications

The connector pod can be rotated and fixed in one of two positions to allow either desktop operation with rear facing connectors, or 19" rack mounting with underside connectors in 10U space.

Dimensions in mm	Width	Height	Depth
Desktop	483 (19")	192 (7.6")	530 (20.9")
Rack mount	483 (19")	444 (17.5")	135 (5.3")
Weight	10kg (22lb)		

### Accessories

Sys-Link™ Expander System:      **WZ1442+ - SL1**  
Dual Sys-Link™ Expander System:      **WZ1442+ - SL1**  
RIAA Equalisation:      **WZ1442 - RIAA**



## Connections

Apart from the headphone and talkback plugs on the front panel, all connections are made to the QCC panel which can be swung and fixed for rear or back orientation.

### INPUTS

Mono 1-10	XLR	balanced ) pad out, pin2 hot, 3 cold	-60 to -20dBu
	TRS jack	balanced ) pad in, tip hot, ring cold	-30 to +10dBu
Stereo ch 11-14	TRS jack	unbalanced, tip hot (L for Mono)	-20 to +10dBu
	RCA phono	unbalanced	-20 to +10dBu
Stereo returns 1-4	TRS jack	unbalanced, tip hot, ring grnd	-10dBu minimum
2-track return	RCA phono	unbalanced	-10dBu minimum
Talkback mic	XLR	unbalanced, pin2 hot, 3 grnd	-40 to -15dBu

### INSERTS

Channel 1-10	TRS jack	unbalanced, tip send, ring return	0dBu
L-R mix/Groups	TRS jack	unbalanced, tip send, ring return	-2dBu

### OUTPUTS

Direct, ch 1-10	TRS jack	impedance balanced, tip hot, ring cold	-0dBu
Aux 1-6	TRS jack	balanced, tip hot, ring cold	+4dBu
2-track send	RCA phono	unbalanced	-10 dBV minimum
L,R,M,Groups	XLR	balanced, pin2 hot, 3 cold	+4dBu
Headphones	TRS jack	30 to 600 ohm headphones recommended, tip L, ring R, on front panel	
Mains power inlet	Standard IEC	3 pin L,N,E. IEC to moulded plug (country-dependent), internally wired for required worldwide voltage.	