

# WZ<sup>4</sup> 12:2

**8** MIC/LINE  
INPUTS

**6** AUXES

WZ<sup>4</sup> 12:2 is your ideal companion for those scenarios where you don't need masses of channels, but you still need to deliver superb audio quality. The 2 dual stereo channels are perfect for stereo playback or for hooking up keyboards and other stereo instruments.



# MixWizard<sup>4</sup>

The MixWizard series has been at the heart of the Allen & Heath range since the mid 1990s and with close to 100,000 mixers sold it has earned industry standard status for its proven quality, versatility and ruggedness.

Now in its 4th generation, the latest models in the MixWizard family feature enhanced styling and functions, whilst remaining faithful to the audio and build quality standards that have secured a place for the Wizards with rental companies, live venues, houses of worship, recording studios and broadcasters.

Every MixWizard features our highly acclaimed 4 band EQ with 2 sweepable mids, high quality 100mm faders, 6 auxiliary sends, 12 segment bargraph metering and our unique QCC connector system for easy desktop, rack or flightcase mounting.

A major new addition for all 4th generation MixWizards is the option to fit a multichannel USB interface with a high quality 16 channel soundcard for easy multitrack recording and 2-track playback. Another popularly requested upgrade is EQ in/out switching, which can also be found across the new range. The WZ<sup>4</sup> 16:2 and WZ<sup>4</sup> 12:2 also benefit from two newly designed digital FX engines, providing a carefully selected suite of 20 studio quality FX presets.

If you're looking for professional grade, all-purpose analogue mixers in a compact, rack mountable frame, the MixWizards continue to set the bar.



# Features

## ■ High Performance Preamp

The MixWizard<sup>4</sup> preamp will delight hardcore analogue audiophiles with its extremely low noise, minimal distortion, wide yet smooth gain law and ample headroom. The preamp was developed by leading analogue designer, Mike Griffin, and is adapted from the design used on our large format GL series consoles.



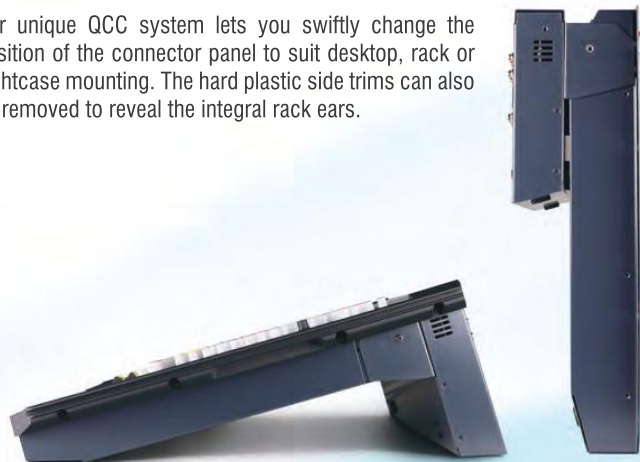
## ■ Auxiliary sends

All MixWizard<sup>4</sup> models offer a generous 6 auxes, each with its own master level rotary control and impedance balanced TRS outputs. A clever monitoring system lets you listen to aux outputs in mono or in stereo pairs. Auxes 1-2 are routed pre fade for monitors; auxes 3-4 are switchable pre or post fade for monitors, FX or additional recording or zone feeds; and auxes 5-6 are routed post fader for FX and aux-fed sub. These pre/post settings can be changed by replugging internal jumpers.



## ■ Quick Change Connectors (QCC)

Our unique QCC system lets you swiftly change the position of the connector panel to suit desktop, rack or flightcase mounting. The hard plastic side trims can also be removed to reveal the integral rack ears.



## ■ Dual FX Engines

WZ<sup>4</sup> 12:2 and WZ<sup>4</sup> 16:2 are both equipped with 2 newly designed stereo FX engines, providing 20 studio quality FX presets. The FX interface has also been upgraded, with a 7 segment LED display, tap tempo and an encoder to adjust FX parameters. The FX algorithms were developed by the same in-house team that created the highly respected FX suite for our iLive pro touring series.



## 4 band EQ

The MixWizards provide the kind of clean, responsive and accurate equalisation control normally only found in large format desks. 4 extended range overlapping bands, 2 with centre frequency sweeps, let you compensate for microphone and auditorium frequency responses, add sparkle and presence to voices and instruments, control sibilance or add colour.

The HF and LF are shelving filters which affect high frequencies above 12kHz, and low frequencies below 80Hz. HM and LM are bell shaped peak/dip filters which affect frequencies around a centre point which can be swept from 500Hz to 15kHz and 35Hz to 1kHz respectively. These have a width (Q) of 1.8. All bands can be boosted or cut by up to 15dB and have a centre detent 0dB position. EQ In/Out switching makes it easy to compare the sound with the equaliser switched in or out of the circuit.



## Dual Stereo Channels

On WZ<sup>4</sup> 14:4:2 and WZ<sup>4</sup> 12:2, two dual stereo channels with TRS connectors and independent gain controls are included for FX returns and stereo line sources. One stereo input can feed straight to LR, so providing extra returns. The stereo channels are furnished with 4 band EQ and can be routed to all 6 auxiliary sends.



## USB Multitrack Recording

All MixWizard<sup>4</sup> consoles can be fitted with an optional kit for USB multitrack recording. The high quality soundcard sends 16 channels to a computer for recording or processing, while a stereo channel is returned to the mixer for monitoring or as an FX return.

The USB optional interface is purchased separately (part number 004-232JIT) and should be fitted by an approved service agent.



- USB send routing:
- WZ<sup>4</sup> 12:2 - Mono channels 1-8 direct out, Aux output 1-6, L/R insert sends or AB out.
  - WZ<sup>4</sup> 16:2 - Mono channels 1-14 direct out, Mono channels 15-16 direct out or AB out.
  - WZ<sup>4</sup> 14:4:2 - Mono channels 1-10 direct out, Insert sends group 1-4, Main L/R insert sends or Matrix outputs.

## Build Quality

We are proud to build the MixWizards using the same rigorous construction methods that have underpinned our analogue mixer designs for more than 40 years. Every channel has its own individual, vertically mounted circuit board for rigidity and ease of servicing. Every rotary control is firmly secured to the front panel with a steel nut, dissipating impacts through the chassis and protecting the circuits within. No wonder the MixWizards have carved out a reputation for taking all the hardships of life on the road and still delivering superb performance.





- 19" Rack mountable
- 8 mic/line inputs with balanced XLR/TRS jack, insert and direct output
- 100mm faders
- 2 Dual Stereo inputs with separate gain and 'ON' switches allowing inputs to be selected independently or mixed together
- 4 band EQ with 2 swept mids
- 6 Aux sends - 2x pre fade / 2x switched / 2x post fade\*
- 2 Stereo returns
- Dedicated mono output fader - can be switched to provide an L+R mono feed for a centre or fill speaker, or sub bass feed
- Independent A-B output for 2-track recording, monitor foldback, speaker fills etc
- Tri-colour, 12 segment bargraph metering
- Twin FX engines with 20 studio quality FX presets
- +48V Phantom Power
- Signal and Peak LEDs
- Talkback Mic XLR with trim
- Lamp socket
- USB multitrack recording option
- Footswitch connector (mutes/unmutes the ST1 FX Return)

\*Can be reconfigured with internal jumpers

