



# DR-16.4

Digital Mixer



## Features

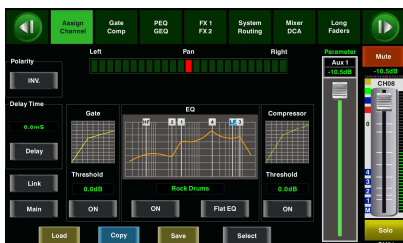
- 3U rack format
- 10 Mic/Line Inputs
- 6 Line inputs
- 1 internal FX
- 128 x 64 LCD screen
- Ethernet Remote Control
- iPad App 20.4i editor for wireless control
- Multi-track USB audio recording module or Dante module

DR-16.4 features 16 channel inputs and 4 CTRL/AUX outputs. It can be used as the main mixer in clubs, meeting rooms and houses of worship, or as a pre-mixer for live bands or DJ having several sound sources to manage. Equipped with a powerful DSP, DR-16.4 offers the flexibility of a large format console centered in a 3U rack format.

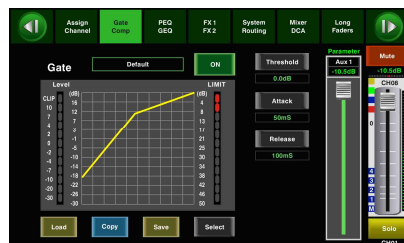
Remote control facilities are available through an Ethernet port. A tablet App can also be used for wireless control. The mixer features other extended possibilities to communicate with external equipment like an optional Dante card for audio transport or a multi-track USB interface for recording.

The DSP offers functions like Noise/Gate, Compressor/Limiter, Parametric/Graphic EQ, Feedback Canceller, Ducker, Auto Mixer, PAN, Phase Reverse, Time Delay, plus a large choice of high quality digital effects.

Channel Assign



Gate / Compressor



PEQ / EQ



## Specifications

<b>Microphone Input</b>	Electronically balanced
Frequency Response to direct Output	20Hz~20kHz at 0dBu ±1.5dB
Distortion (THD & N) to Main Output	<0.01% at 0dBu 1 kHz
Gain	0dBu~50dBu
SNR (Signal to Noise Ratio)	108dB
Maximum Input Level	+20dBu
Phantom Power (+/-3V)	+48VDC
<b>Line Inputs</b>	Electronically balanced
Frequency Response to direct Output	20Hz~20kHz at 0dBu ±1.5dB
Distortion (THD & N) to Main Output	<0.01% at 0dBu 1 kHz
Gain	-15dBu~+35dBu
Maximum Input Level (Gain at 0dBu)	+20dBu
<b>Stereo Inputs</b> CH10~11 / CH12~13 / CH15~16	Balanced (2 stereo pair)
Frequency Response to direct Output	20Hz~20kHz at +4dBu ±1.5dB
Distortion (THD & N) to Main Output	<0.01% at 0dBu 1 kHz
Gain	-∞ to +10dBu
Maximum Input Level	+20dBu
Gain	-∞ to +10dBu
<b>Outputs</b>	
Max. Main Output Level	+20dBu
Max. AUX SEND Output Level	+20dBu
Max. Control Room Output Level	+20dBu
Max. Headphones Output Level	+20dBu
<b>System Crosstalk</b>	
Input to Output (at +4dBu 1kHz)	-88dB
Adjacent Channel (at +4dBu 1kHz)	-85dB
Noise (Bus noise)	-91dB

<b>Noise Gate</b>	
Threshold Range	-84dBu ~ -20dB
Attack Time	0.5ms ~ 200ms
Release Time	10ms ~ 1s
<b>Compressor</b>	
Threshold Range	-30dBu ~ +20dB
Attack Time	10ms ~ 150ms
Release Time	10ms ~ 1s
Ratio	1:1 to 10:1
Gain	0dBu - +24dB
<b>EQ</b>	
Low (Low Pass or Low Shelf)	21Hz~19.2KHz ±24dB
Low Mid	21Hz~19.2KHz ± 24dB
High Mid	21Hz~19.2KHz ± 24dB
High(High Pass or High Shelf)	21Hz~19.2KHz ± 24dB
<b>Digital Audio</b>	
ADC Dynamic Range	114dB
DAC Dynamic Range	114dB
Internal Processor	32-bit , floating point
ADC,DAC bit depth	24bit
<b>Impedances</b>	
Microphone input	6.8kΩ
Line input	75kΩ
Stereo input	27kΩ
All other output	240Ω
Operating free-air temperature range	0~40°C
Storage temperature range	-20°C ~ 45°C

Specifications subject to modification without notice

