



Ashly digiMIX iPad Control



Touchscreen



Motorized Fader



Intelligent Meters



Onboard DSP



5-Year Warranty



# ASHLY

# rhox

networking

(61) 3051-5800



## 24-CHANNEL DIGITAL MIXER

# DIGIMIX24

The NEW *digiMIX24 Digital Mixing Console* gives you complete control over your performance space. Light and portable, it's easy to transport or store away—whether you're mixing live bands, a high school musical, a worship service, or recording in a project studio, there are many applications where *digiMIX24* feels right at home.

With its traditional analog feel, the *Live Control Surface* allows optimum control with real knobs and a live fader when selecting important functions, while offering conveniences of a responsive touchscreen, USB interfacing, and companion Apple iPad® App. Together, it's the ideal mixing experience.

With two performance modes: 24x8 AUX channels, or 24x4 AUX channels and 24x4 SUB-group channels with 6x DCA fader groups, you have the flexibility to accommodate instruments, voices and signals from various sources. Also equipped with Class-A mic pre's designed exclusively by Ashly, so you know great sound is always a standard feature!

Use *digiMIX24* as a command center to integrate live performance throughout an entire venue or facility. Add an optional *Dante™* module to transmit and receive Dante network audio.

### Features:

- Precision Alps® motorized 100mm fader
- 7" color LCD capacitive touchscreen for graphical viewing, assign, and setup
- EZ-Mode for secure, simplified touchscreen or iPad® control with EZ-Mode mixer
- 16 low noise microphone preamps with dedicated trim controls, +48V phantom power, phase invert
- Gain-sharing automixer
- Assignable cross fader
- Stereo AUX sends for stereo monitors
- 4 dedicated line-level inputs
- Stereo tape/CD inputs and outputs on RCA connectors
- USB 2-track audio stereo record and playback
- TRS inserts on channels 1-8
- 4 AUX sends and 4 subgroup outputs, switchable to 8 AUX sends
- 6 DCA for fader or mute groups
- 2 internal stereo FX with fully editable reverbs, delay with tap tempo, tremolo, flange, and chorus
- Pan control
- High resolution delay (0.2ms) on every input, subgroup, AUX, or FX

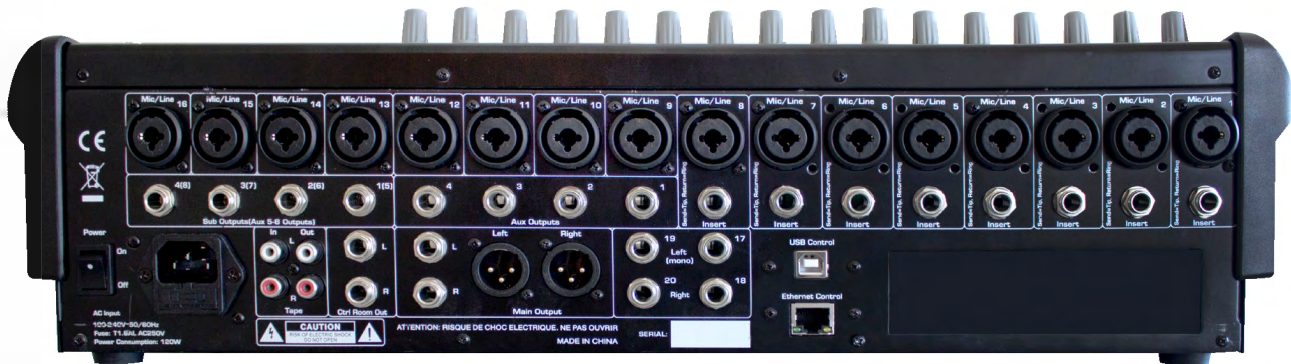
- Expander/noise gate on every input and FX channel
- Compressor/limiter on every input, subgroup, output, and FX channel
- 4-band parametric/shelving EQ filters plus HPF/LPF on every input, subgroup, output, and FX channel
- 31-band Graphic EQ on Main, AUX, and Sub Outputs
- Stereo link for adjacent inputs, subgroups, and AUX outputs
- Solo/PFL on every Input, Output, Subgroup, AUX, or FX
- Stereo main outputs on XLR and phone jack with dedicated level control
- Headphone and control room outputs with dedicated level controls
- User presets for DSP channel, GEQ, FX, or scene settings, plus channel copy function
- 32-bit A/D and D/A converters, 32-bit DSP processing, 48kHz sampling rate
- Password security
- Software control using Windows®, Mac®, or iPad®
- Internal 100-240VAC universal power supply
- Dante® Network Audio Interface (optional)
- USB Multi-track Audio Interface (optional)
- Safety/compliance: cTUVus, FCC, RoHS



32-Channel Audio Interface



32-Channel Network Audio Interface



Painel traseiro

Specifications		Notes: 0dBu = 0.775 VRMS
<b>General</b>		
ADC Dynamic Range	114dB, unweighted	
Internal Processor	32-bit floating point	
Sample Rate	48kHz	
DAC Dynamic Range	110dB, unweighted	
ADC/DAC bit depth	32-bit	
Audio Interface Module	Dante™, USB Multi-Channel (optional)	
<b>Microphone Input</b> Class-A Discrete Balanced, 6.8k Ohm Input Impedance		
Frequency Response to Main Output	20Hz – 20kHz, +5/-1dB	
Distortion (THD&N) to Main Output	<0.01% at 0dBu, 20Hz – 20kHz	
Equivalent Input Noise	-126dBu, unweighted, 20Hz – 20kHz, 150 Ohm source	
Gain (Trim)	0 dB – +50dB	
Maximum Input Level	+20dBu	
Phantom Power	+48VDC, +0/-4V, assignable to channels 1-16	
<b>Line Input</b> Balanced, 75k Ohm Input Impedance		
Frequency Response to Main Output	20Hz – 20kHz at 0dBu, 0/-1.5dB	
Distortion (THD&N) to Main Output	<0.01% at 0dBu, 20Hz – 20kHz	
Gain (Trim)	-20dB – +30dB	
Maximum Input Level	+20dBu	
<b>TRS Insert</b> Unbalanced, Tip = Send, Ring = Return		
Maximum Output Level	+20dBu, 120 Ohm Source Impedance	
Maximum Input Level	+20dBu, 5.0k Ohm Input Impedance	
<b>Stereo Line Input</b> (17–18, 19–20) Balanced (2 stereo pair) 27k Ohm Input Impedance		
Frequency Response to Main Output	20Hz – 20kHz, ±0.5dB	
Distortion (THD&N) to Main Output	<0.01% at 0dBu, 20Hz – 20kHz	
Gain	-∞ to +10dB	
Input Level (Max)	+20dBu	
<b>Tape L/R Input</b> Unbalanced RCA, 10k Ohm Input Impedance		
Frequency Response to Main Output	20Hz – 20kHz, ±0.5dB	
Distortion(THD&N) to Main Output	<0.01% at 0dBu, 20Hz – 20kHz	
Gain	-∞ to +10dB	
Input Level (Max)	+20dBu	
<b>USB 2-Track I/O, USB type B Connector</b>		
Bit Depth / Sample Rate	16 bit / 48 kHz	
Frequency Response to Main Output	20Hz – 20kHz, ±0.5dB	
Distortion (THD&N) to Main Output	<0.02% at 0dBu, 20Hz – 20kHz	
Gain	-∞ to +10dB	
Input/Output Level (Max)	+15dBu = full scale digital	

<b>Maximum Output Levels</b>	
Main Outputs (Max)	Balanced XLR and TRS phone jack, +20dBu, 240 Ohm source impedance
AUX 1–4 Outputs	Pseudo-Balanced TRS phone jack, +20dBu, 240 Ohm source impedance
SUB 1–4 Outputs	Pseudo-Balanced TRS phone jack, +20dBu, 240 Ohm source impedance
Tape Outputs	Unbalanced RCA, +10dBu, 1k Ohm
Control Room Outputs	Balanced TRS phone jack, +20dBu, 240 Ohm source impedance
Residual Output Noise	-90dBu (one mic input assigned at 0dB) -82dBu (all 16 mic inputs assigned at 0dB) -80dBu (all 24 inputs assigned at 0dB)
<b>Crosstalk</b>	
Adjacent Channels (1kHz)	-82dB
Noise	-70dB (Bus Noise, Adjacent Channels 20Hz – 20kHz)
<b>Noise Gate / Expander Inputs, FX</b>	
Threshold Range	-84dB – 0dB
Attack time	0.5ms – 200ms
Release time	10ms – 1,000ms
Ratio	1:1 to ∞
<b>Compressor/Limiter Inputs, Subgroups, Main, AUX, FX</b>	
Threshold Range	-50dB – 0dB
Attack time	10ms – 150ms
Release time	10ms – 1,000ms
Ratio	1:1 to ∞
Gain	0dB – +24dB
<b>Parametric EQ (PEQ) Inputs, Subgroups, Main, AUX, FX</b>	
Filter Type (EQ1, EQ2, EQ3, EQ4)	Parametric, low shelf, high shelf
Parametric Filters	20.6Hz – 20kHz, Q 0.4 – 24, boost/cut ±24dB
Shelving Filters	20.6Hz – 20kHz, boost/cut ±24dB
HPF and LPF	20.6Hz – 20kHz, 20 filter type
HPF and LPF Filter Types	Bypass, Butterworth (BW) 6dB/oct, Bessel (BS) 6dB/oct, BW 12dB/oct, BS 12dB/oct, Linkwitz/Riley (LR) 12dB/oct, BW 18dB/oct, BS 18dB/oct, BW 24dB/oct, BS 24dB/oct, LR 24dB/oct, BW 30dB/oct, BS 30dB/oct, BW 36dB/oct, BS 36dB/oct, LR 36dB/oct, BW 42dB/oct, BS 42dB/oct, BW 48dB/oct, BS 48dB/oct, LR 48dB/oct
<b>Graphic EQ (GEQ) Main, AUX, Subgroup Outputs</b>	
Filter Type	31-band, Constant Q, boost/cut ±24dB
<b>FX Input Sends from all 24 Inputs, FX output Assigns to AUX, Subgroups, Main Output</b>	
Effect Types	Reverbs (3), delay, tremolo, flange, chorus, combinations, in stereo
Stereo Link	Inputs, Subgroups, AUX
DCA groups	6 groups, level, mute, solo
Preset Types	DSP channel (48), GEQ(48), DFX (104), scene (24)

Software / Firmware	
iPad Control*	Ashly digiMIX app for Apple iPad®, is available from iTunes® App store
Firmware Update/ Preset Manager	digiMIX Utility for Windows® and Mac® (download from Ashly.com)
Preset Conversion Utility**	Updates firmware v3.7 presets, for Windows® and Mac® (download from Ashly.com)
USB Device driver	May be required when using "digiMIX Utility" via USB cable connection. (Separate Windows and Mac versions available on Ashly.com.)
USB-32 ASIO Device Driver	Required for USB-32 option when using Windows® multi-channel audio program (not Mac)

**Digital Input Options**  
Sold Separately and Field Installable

Dante™ 32-Channel Network Audio Interface (24 bit / 48 kHz)

USB 32-Channel Audio Interface (24 bit / 48 kHz)

Environmental	
<b>Temperature Range</b>	
Operating, free-air	41°F – 113°F (5°C – 45°C)
Storage	-4°F – 140°F (-20°C – 60°C)
<b>Power Requirements</b>	
AC Mains	100-240VAC 50/60Hz, 120W MAX

Weights and Dimensions	
<b>digiMIX24 Console</b>	
Unit Dimensions	20.15" L x 5.65" W x 14" H (512 x 356 x 144 mm)
Shipping Dimensions	23" L x 8.7" W x 18" H (58.5 x 22.1 x 45.6 cm)
Unit Weight	17.65 lbs (8.01 kg)
Shipping Weight	22.6 lbs (10.3 kg)
<b>Dante-32 Op</b>	
Shipping Dimensions	6.02" L x 1.85" W x 7.09" H (153 x 47 x 180 mm)
Shipping Weight	0.42 lbs (0.19 kg)
<b>USB-32 Op</b>	
Shipping Dimensions	6.02" L x 1.85" W x 7.09" H (153 x 47 x 180 mm)
Shipping Weight	0.47 lbs (0.21 kg)

\*To use Ashly digiMIX24 iPad® App v4.3 or higher, mixer firmware must be updated to v4.3 or higher. \*\*Mixer presets saved in v3.6 or 3.7 can be converted to v4.3 or higher using the Preset Conversion Utility. ©2017 All features, specifications and graphical representations are subject to change or improvement without notice and may not represent the final product.

Distribuidor no Brasil  
(61) 3051-5800