



Ashly digiMIX  
iPad Control



Touchscreen



Motorized  
Fader



Intelligent  
Meters



Onboard DSP



5-Year Warranty



# ASHLY

**rhox**  
networking

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18-INPUT DIGITAL MIXER

# DIGIMIX 18

**USB**  
Multi-Channel Audio Interface

**Dante™**  
Multi-Channel Network Audio Interface

The digiMIX18 is a digital mixing solution that maintains all key features of the digiMIX24 in a more compact, rack-mountable model. The digiMIX18 gives you 18 inputs and 12 output buses (18x12) and maintains the same powerful real-time live control that give users instant access to all major functions. 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!

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.

Modular expandability via optional Dante® and USB cards which provide 18 digital inputs and up to 30 digital outputs. Selectable Digital Audio Channel-Insert points allow you to record, process in native mode, and/or playback from your favorite DAW using our USB-3018 option card. Useful for capturing or enhancing your live performance.

### Features:

- Precision Alps® motorized 100mm fader
- Responsive, 7" color LCD touchscreen for graphical viewing, assign, and setup
- FREE iPad® App for wireless remote control
- EZ-Mode for secure, simplified touchscreen or iPad® control with EZ-Mode mixer
- Ships as desktop console, rack rails included
- 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
- 2 dedicated line-level inputs
- TRS inserts on channels 1-8
- 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, AUX, or FX
- Expander/noise gate on every input and FX channel
- Comp/limiter on every input, output, and FX channel
- 4-band parametric/shelving EQ filters plus HPF/LPF on every input, output, and FX channel
- 31-band Graphic EQ on main and AUX outputs
- Stereo link for adjacent inputs and AUX outputs
- Solo/PFL on every input, output, 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 Scene, DSP channel, FX or GEQ settings, plus channel copy function
- 24-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



### Rear Panel Configuration

Specifications		Notes: 0dBu = 0.775 VRMS
<b>Microphone Input</b> Class-A Discrete Balanced, 7.3k Ohm Input Impedance		
Frequency Response to Main Output	20Hz – 20kHz, +0.0/-0.5dB	
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, balanced	
Phantom Power	+48VDC, 14mA per channel, assignable to channels 1-16	
<b>Line Input</b> Balanced, 75k Ohm Input Impedance		
Frequency Response to Main Output	20Hz – 20kHz at 0dBu, +0.0/-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> (Ch 1-8 only) 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 Inputs</b> (Ch 17-18) Balanced 27k Ohm Input Impedance		
Frequency Response to Main Output	20Hz – 20kHz, +0.0/-0.05dB	
Distortion (THD&N) to Main Output	<0.07% at 0dBu, 20Hz – 20kHz	
Gain	-∞ to +10dB	
Input Level (Max)	+20dBu	
<b>Maximum Output Levels</b> (240 Ohm source impedance)		
Main Outputs (Max)	Balanced XLR and TRS phone jack, +20dBu	
AUX 1-8 Outputs	Pseudo-Balanced TRS phone jack, +20dBu	
Control Room Outputs	Balanced TRS phone jack, +20dBu	
Residual Output Noise	-88dBu (one mic input assigned at 0dB) -78dBu (all 16 mic inputs assigned at 0dB) -78dBu (all 18 inputs assigned at 0dB)	
<b>Crosstalk</b>		
Adjacent Channels (1kHz)	-82dB	
Noise	-70dB (Bus Noise, Adjacent Channels 20Hz – 20kHz)	
<b>Channel DSP Functions</b>		
Polarity Invert (Inputs, main, AUX, FX)	Per channel, On/Off	
Delay Time (Inputs, main, AUX, FX)	Per channel, 0-300ms in 0.2 ms increments	
<b>Noise Gate / Expander</b> Inputs, FX		
Threshold Range	-84dB – 0dBFS	
Attack time	0.5mS – 200mS	
Release time	10mS – 1,000mS	
Ratio	1:1 to ∞	
<b>Compressor/Limiter</b> Inputs, Main, AUX, FX		
Threshold Range	-50dB – 0dBFS	
Attack time	10mS – 150mS	
Release time	10mS – 1,000mS	
Ratio	1:1 to ∞	
Gain	0dB – +24dB	

Parametric EQ (PEQ) Inputs, Main, AUX, FX	
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, Linkowitz/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
Graphic EQ (GEQ) Main, AUX	
Filter Type	31-band, Constant Q, boost/cut ±24dB
<b>FX</b> FX input Sends from Ch 1-18, FX output Assigns to main L/R, AUX 1-8	
Effect Types	Reverbs (3), delay (1200ms), tremolo, flange, chorus, combinations (See manual)
DSP Processing	
A-D converter dynamic range	104dB, unweighted
Internal processor	32-bit floating point
D-A converter dynamic range	105dB, unweighted
ADC/DAC bit depth and sampling rate	24-bit / 48kHz
Latency	5.8mS, 1kHz, Analog input to analog output

Mixer Features	
Automixer (speech only)	Gain-sharing type, individual assignment of channels 1-16
Crossfade mode (system screen)	Use pan control to fade between any two assigned inputs, outputs, or FX
Stereo Link	Inputs 1-16, aux outputs 1-8, paired only as 1-2, 3-4, 5-6 etc.
DCA groups	6 groups, level, mute, solo
Password Security	Mixer lock, unlock, 4-character password, case sensitive
Preset Types	Scene (24), DSP channel (48), FX (104), GEQ (48)
<b>EZ-Mode</b> Simplified individual fader adjust, ON/OFF, Icon assign	
EZ Mixer #1	Main, DCA 1-4, AUX 1-4, password lock
EZ Mixer #2	Main, DCA 1-6, AUX 1-8, Ch 17-18, password lock

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

Software, Firmware and Drivers	
iPad® Control	Ashly digiMIX app for Apple iPad®, FREE from iTunes® App store
Firmware Update	digiMIX18 Firmware Utility for Windows® and Mac® (download from Ashly.com)
Preset Backup and Restore	digiMIX18 Preset Utility for Windows® and Mac® (download from Ashly.com)
USB COM Device driver	May be required when using digiMIX18 utilities via USB connection. (Separate Windows and Mac versions available on Ashly.com.)
USB ASIO Device Driver	Required for USB-3018 option when using Windows® audio program (download from Ashly.com, not required for Mac)

Digital Audio Option Cards	
Sold Separately, Field Installable	
Dante-3018 Multi-Channel Network Audio Interface (24 bit / 48 kHz)	
USB-3018 Multi-Channel Audio Interface (24 bit / 48 kHz)	

Digital IN/OUT	
<b>Digital In, Channels 1-18</b>	
Pre-DSP	On/Off, level control +10dB to -70dB, Off
<b>Digital Out, Channel 1-16</b>	
Selectable as group pre/post DSP	On/Off, level control +10dB to -70dB, Off
<b>Digital Out, Channel 17-18, Main, AUX 1-8, Solo</b>	
Post-DSP	On/Off, level control +10dB to -70dB, Off

Weights and Dimensions	
<b>digiMIX18 Console</b>	
Unit Dimensions	19.3" L x 5.65" W x 14.0" H (486 x 144 x 356 mm)
Shipping Dimensions	22.0" L x 8.15" W x 17.1" H (559 x 207 x 434 mm)
Unit Weight	17.0 lbs (7.7kg)
Shipping Weight	21.0 lbs (9.5kg)
<b>Dante-3018 Option Card</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 (0.19kg)
<b>USB-3018 Option Card</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 (0.21kg)