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 reverb problems, 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
Rear Panel Configuration

Specifications

Notes: 0dBu = 0.775 VRMS

General
- 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)

Microphone Input Class-A Discrete Balanced, 6.8k Ohm Input Impedance
- Frequency Response to Main Output: 20Hz – 20kHz, +S/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

Line Input Balanced, 75k Ohm Input Impedance
- Frequency Response to Main Output: 20Hz – 20kHz, 0/-1.5dB
- 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

TRS Insert Unbalanced, Tip = Send, Ring = Return
- Frequency Response to Main Output: 20Hz – 20kHz, +S/10dB
- Distortion (THD&N) to Main Output: <0.01% at 0dBu, 20Hz – 20kHz
- Equivalent Input Noise: -126dBu, unweighted, 20Hz – 20kHz, 150 Ohm source
- Gain: -ve to +10dB
- Input Level (Max): +20dBu

Stereo Line Input (17–18; 19–20) Balanced (2 stereo pair) 27k Ohm Input Impedance
- Frequency Response to Main Output: 20Hz – 20kHz, ±5.5dB
- Distortion (THD&N) to Main Output: <0.01% at 0dBu, 20Hz – 20kHz
- Equivalent Input Noise: -126dBu, unweighted, 20Hz – 20kHz, 150 Ohm source
- Gain: -ve to +10dB
- Input Level (Max): +20dBu

Compandors/Limiters
- Stereo Line, Main, AUX, FX
- Threshold Range: -84dB – 0dB
- Attack time: 0.5ms – 200ms
- Release time: 10ms – 1000ms
- Ratio: 1:1 to ∞

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), DXF (104), scene (24)

Software / Firmware
- Miter Control
- Ashly digiMIX app for Apple iPad®, is available from iTunes® Appstore
- Firmware Update
- digiMIX Utility for Windows® (download from Ashly website) and Mac (iTunes® App Store)
- USB Device driver
- May be required when using “digiMIX Utility” via USB cable connection. (Separate Windows and Mac versions available on Ashly website.)
- 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

USB 32-Channel Audio Interface

Environmental
- Temperature Range
  - Operating, free-air: 41°F – 113°F (5°C – 45°C)
  - Storage: -4°F – 140°F (-20°C – 60°C)
- Humidity: 10% – 95% (non-condensing)
- Power Requirements
  - AC Mains: 100-240VAC 50/60Hz, 120W MAX
- Environmental
  - Temperature Range
    - Operating, free-air: 41°F – 113°F (5°C – 45°C)
    - Storage: -4°F – 140°F (-20°C – 60°C)
- Power Requirements
  - AC Mains: 100-240VAC 50/60Hz, 120W MAX

Weights and Dimensions
- digiMIX44 Console
  - Unit Dimensions: 20.15" x 1.65" x 14" [512 x 356 x 144 mm]
  - Shipping Dimensions: 23.5" x 8.7" x 18" [600 x 201 x 465 mm]
  - Unit Weight: 17.65 lbs (8.01 kg)
  - Shipping Weight: 22.6 lbs (10.3 kg)
- Dante-32 Option Card
  - Unit Dimensions: 6.02" x 1.85" x 7.09" [153 x 47 x 180 mm]
  - Shipping Dimensions: 6.02" x 1.85" x 7.09" [153 x 47 x 180 mm]
  - Shipping Weight: 0.47 lbs (0.22kg)

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