



*The Mark of the Professional...*

## DAVIS 16-CHANNEL AUDIO MONO/STEREO MIXER



**Model DMC-16 Mixer**

- 8 mono input channels with XLR and Line inputs
- Ultra-low noise discrete Mic pre-amps with +48 VDC phantom power
- 4 stereo input channels with balanced TRS jacks
- 2 additional multifunctional stereo line inputs
- Extremely high headroom - offering more dynamic range
- Balanced inputs for highest signal integrity
- Ultra-musical 3-band EQ on all channels
- Peak LEDs and switchable low-cut filter on all mono channels
- 2 Aux sends per channel for external effects and monitoring
- Separate master mix, control room and headphone outputs
- "2-Track" inputs assignable to master mix output
- Highly accurate 10 segment LED meters
- High quality Panasonic 60 mm faders
- High-quality Panasonic sealed potentiometers
- Rugged design power supply ensures superior signal integrity

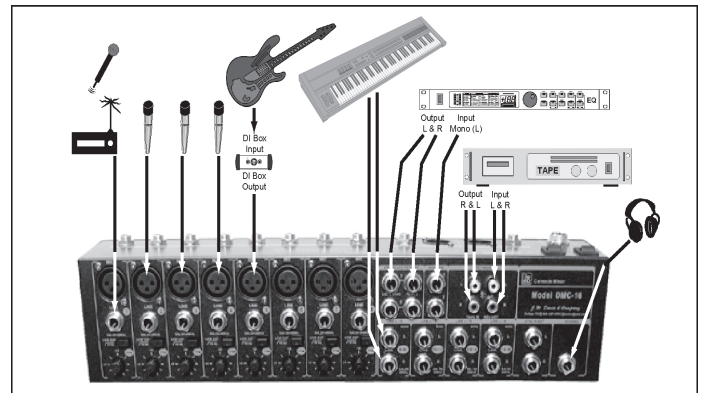
The DMC-16 Console Mixer offers professional performance at a practical price. It serves equally well for either live or recording events, allowing the production of audio tailored to the taste of both the performer and the listener. Up to 16 channels are available for mono, or 4 stereo and 8 mono channels. Each channel's volume and frequency range may be adjusted to achieve the precise output desired. In addition, inputs from tapes, voices and/or musical instruments may be overlaid and mixed to create completely new program material.

Smooth channel slide faders are provided to allow seamless volume control of individual inputs. Frequency equalization is provided by lower, mid and high range bands ranging from 80 Hz to 12k Hz with the mid range peaking response fixed at 2 octaves and the frequency at 2.5k Hz.

The highly flexible DMC-16 also has 8 channel "insert" inputs for devices such as expander/limiters and sound effects processors that allow the signal to be modified prior to its entering the primary mixer functions.

Total program control is afforded by the master mix, control room and headphone outputs. Constant monitoring is available through the accurate 10-segment LED meters located on the face of the console.

A detailed User's Manual gives step-by-step guidance for realizing the multitude of potential applications such as the combination illustrated above. Rack mounting hardware is included.



NEW TECHNOLOGY



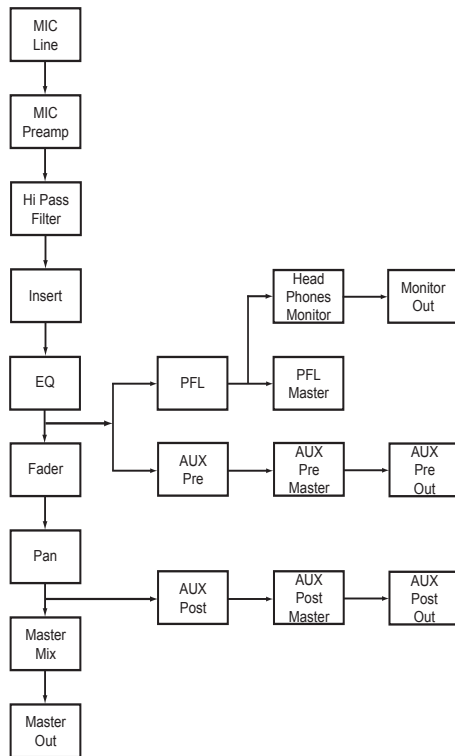
OLD RELIABILITY

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### Signal Path Flow Diagram



### SPECIFICATIONS

#### Mono Inputs

Mic Input. . . . . Electronically balanced, discrete input configuration  
 Bandwidth. . . . . 10 Hz to 60 kHz ± 3 dB  
 Distortion (THD & N). . . . . 0.01% at +4 dBu, 1 kHz, Bandwidth 80 kHz  
 Mic E.I.N (22 Hz - 22 kHz). . . . . -129.5 dBu, 150 Ohm source  
 . . . . . -117.3 dBqp, 150 Ohm source  
 . . . . . -132.0 dBu, input shorted  
 . . . . . -122.0 dBqp, input shorted

GAIN(TRIM) range. . . . . +10 dB to +60 dB

Line Input. . . . . Electronically balanced  
 Bandwidth. . . . . 10 Hz to 60 kHz ± 3 dB  
 Distortion (THD & N). . . . . 0.01% at +4 dBu, 1 kHz, Bandwidth 80 kHz  
 Line Level range. . . . . +10 dBu to +40 dBu

#### Equalization

Hi Shelving . . . . . 12 kHz ±15 dB  
 Mid Range. . . . . 2.5 kHz ±15 dB  
 Lo Shelving. . . . . 80 Hz ±15 dB

#### Stereo Inputs

Line Input. . . . . Unbalanced  
 Bandwidth. . . . . 10 Hz to 55 kHz ± 3 dB  
 Distortion (THD & N). . . . . 0.01% at +4 dBu, 1 kHz, Bandwidth 80 kHz

#### Equalization

Hi Shelving. . . . . 12 kHz ±15 dB  
 Mid Range. . . . . 2.5 kHz ±15 dB  
 Lo Shelving. . . . . 80 Hz ±15 dB

#### Master Mix Section

Max Output. . . . . +28 dBu, balanced XLR  
 . . . . . +22 dBu, unbalanced ¼" phone jack  
 Aux Send Max Out. . . . . +22 dBu unbalanced  
 Control Room Out. . . . . +22 dBu unbalanced  
 Signal-To-Noise Ration. . . . . 112 dB, all channels assigned & at  
 . . . . . Unity Gain (0 dB)

#### Power Supply

Main Voltage. . . . . IN ~115 V AC, 60 Hz, 0.4A, power supply  
 . . . . . unit (PSU)  
 . . . . . OUT ~18V AC, 700mA

#### Physical

(H \* W \* D). . . . . 2 ¾" x 15 ¾" x 13 ½"  
 Physical. . . . . 11 lbs. (psu not included)  
 Shipping Weight. . . . . 16 lbs. (rack mount hardware included)

### Mixer Terminology:

- Bal** - Stereo right/left signal balance
- Fader** - Volume or "level" control
- EQ** - Equalizer
- Insert** - Signal out and return
- Monitor** - Any monitoring device
- Pan** - Mono right/left signal level
- PFL** - Pre Fade Listen
- Pre** - Before
- Post** - After
- PSU** - Power Supply Unit
- Sends** - Signal out and returns
- Trim** - Signal sensitivity adjustment

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