



PR&E Products

## StereoMixer<sup>®</sup> digital

### **High Quality, Cost Effective Digital Audio Console**

StereoMixer<sup>®</sup> *digital* is a compact audio console available in two versions: rack-mount and desktop. StereoMixer<sup>®</sup> *digital* is perfect for applications such as small air studios, voice tracking studios, production rooms, nonlinear editing suites and newsrooms.

#### **Features/Benefits**

- ◆ Three stereo and one mono analog inputs, with a front panel TRS stereo jack for convenient field recorder connection
- ◆ Three AES-3 digital inputs (S/PDIF-compatible) with integral sample rate converters on each input
- ◆ Two Program buses and one mix-minus bus with both analog and digital outputs
- ◆ Stereo bargraph meter display of the two program buses, an External Monitor Input, or Cue
- ◆ Analog room monitor and talk outputs with a headphone amplifier for talent headphones
- ◆ Monitor mute logic plus opto-isolated interface logic for a On Air light warning interface, intercom talk, mic remote panel control, remote start command outputs and timer reset output
- ◆ Audio and logic signals use separate connectors with AMP MOD IV crimp terminal connectors (as used on all PR&E consoles) or D-sub (logic only)



# StereoMixer<sup>®</sup>digital Specifications

## Test Conditions

0 dBu corresponds to an amplitude of 0.775 volts RMS regardless of the circuit impedance. This is equivalent to 0 dBm measured into a 600 ohm circuit for convenient level measurement with meters calibrated for 600 ohm circuits. Noise specifications are based upon a 22 kHz measurement bandwidth. Total Harmonic Distortion (THD+N) is measured at a +18 dBu output level using 1 kHz or a swept signal with a 22 kHz lowpass filter. FSD = Full-Scale Digital, +24 dBu

## Analog Inputs & Outputs

**Input Impedance** > 40K ohms, balanced  
**Input Level Range** Selectable, -10 dBV, +4 dBu  
**Input Headroom** 20 dB above nominal Input  
**Output Source Impedance** <3 ohms, balanced  
**Output Load Impedance** 600 ohms minimum  
**Nominal Output Levels** +4 dBu  
**Maximum Output Levels** +24 dBu

## Digital Inputs and Outputs

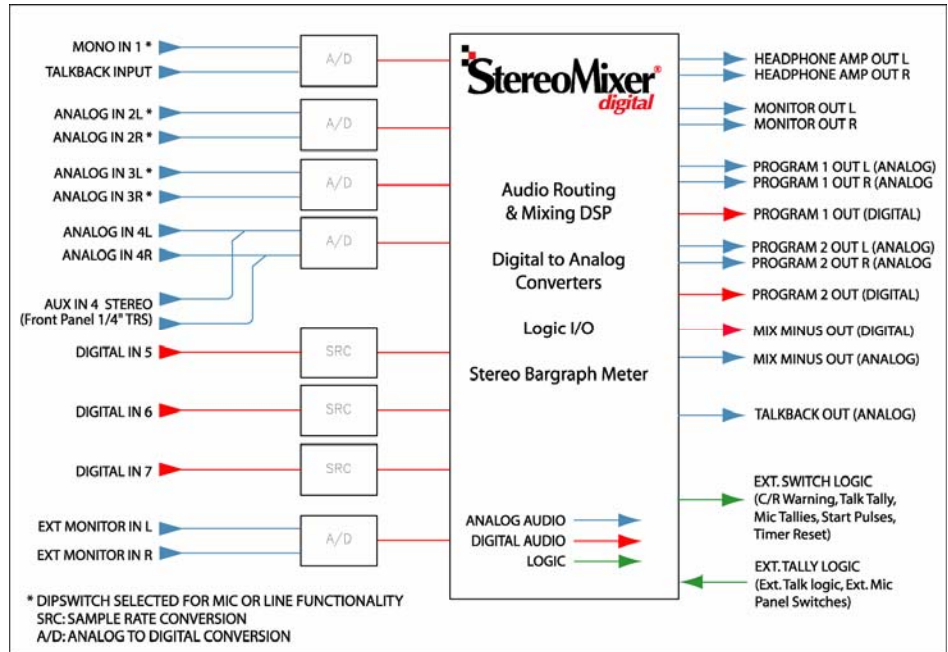
**Reference Level** +4 dBu (-20 dB FSD)  
**Signal Format** AES-3, S/PDIF (input only)  
**AES-3 Input Compliance** 24-bit sample rate conversion  
**AES-3 Output Compliance** 24 bit  
**Digital Reference Crystal** (internal)  
**Internal Sample Rate** 48 kHz  
**Output Sample Rates** 48 kHz

**Processing Resolution** 24-bit fixed with extended precision accumulators  
**Conversions A/D** 24-bit, Delta-Sigma, 128x oversampling on all digital inputs; D/A 24-bit, Delta-Sigma, 128x oversampling  
**Latency** <1.6 ms, line in to monitor out

## Frequency Response

**Line Input to Program Output** +0 dB/-0.5 dB, 20 Hz to 20 kHz

Specifications subject to change with out notice.



## Dynamic Range

**Analog Input to Analog Output** 103dB, 106 dB "A" weighted to FSD

**Analog Input to Digital Output** 105 dB referenced to FSD

**Digital Input to Analog Output** 105 dB, 108 dB "A" weighted to FSD

**Digital Input to Digital Output** 138 dB

## Total Harmonic Distortion + Noise

**Analog Input to Analog Output** <0.005%, 20 Hz to 20 kHz, +18 dBu Input & output, 22 kHz filter bandwidth

**Digital Input to Digital Output** <0.00016%, 20 Hz to 20 kHz, -20 dB FSD input & output, 20 kHz filter bandwidth

## Digital Input to Analog Output

<0.005%, 20 Hz to 20 kHz, -6 dB FSD input, +18 dBu output, 22 kHz filter bandwidth

## Crosstalk Isolation

Adjacent Analog Inputs and Outputs >95 dB, 20 Hz to 20 kHz

## Power Supply

External, Multiple outputs  
 Input, IEC power cord  
 Convection Cooled, no fans  
 95/264 Vac, 50/60 Hz

## Dimensions

StereoMixer digital Rack Mount 7"H x 19"W x 3"D  
 StereoMixer digital Desktop 4"H x 16"W x 17"D



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