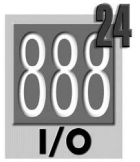


# 888|24 I/O™

## Precision 24-Bit Multi-Channel Audio Interface



### FEATURES

- **Analog I/O:** 8 channels; actively balanced XLR connectors; internally channel-switchable between +4 dBu and -10 dBV operating mode
- **Digital I/O (AES/EBU):** 8 channels; XLR connectors (4 in, 4 out); all 8 channels available simultaneously for direct digital audio connection<sup>1</sup>
- **Digital I/O (S/PDIF):** 2 channels; coaxial RCA connector (1 in, 1 out)<sup>1</sup>
- **Clock reference:** super clock (256x sample clock), ±10 ppm accuracy; in/out; BNC connectors; additional clock references supported via the optional Digidesign Universal Slave Driver or other synchronizers
- **Sample Rate:** 44.1 kHz or 48 kHz (nominal); software selectable; internally switchable default sample rate for stand-alone A/D conversion
- **A/D converters:** 24-bit
- **D/A converters:** 24-bit
- **Digital I/O resolution (AES/EBU and S/PDIF):** 24-bit

<sup>1</sup> Input channels 1-2 are user-switchable between analog and digital (AES/EBU or S/PDIF).

The Digidesign 888|24 I/O brings today's highest fidelity digital audio production into the reach of every recording professional. With 24-bit analog-to-digital converters, the 888|24 I/O is unrivaled in its price range and competes with dedicated A/D and D/A interfaces costing much more. Designed for uncompromising performance when recording, editing, mixing, and mastering, the 888|24 I/O is used by many of the world's most accomplished producers and audio engineers.

### 24-BIT AUDIO PRODUCTION

When used with a Pro Tools|24 or Pro Tools|24 MIX system, the 888|24 offers 24-bit recording, editing, signal processing, and mixing — thanks to 8 analog inputs equipped with 24-bit A/D converters.

Since Pro Tools|24 lets you optimize your 24-bit files for 16-bit CD premastering, your audio will maintain optimum dynamic range and low noise floors all the way to CD.

Each output channel offers a 24-bit D/A converter for precise monitoring applications. The 888|24 I/O also includes 8 channels of digital inputs/outputs for sample-accurate, 24-bit transfers from digital tape or digital mixing consoles. If you have an expanded Pro Tools system, you can combine multiple 888|24 I/Os for up to 72 channels of discrete analog or digital I/O. Or, if you prefer, you can even use the 888|24 I/O as a stand-alone A/D or D/A converter.

### BELIEVE YOUR EARS

The 888|24 I/O with Pro Tools|24 or Pro Tools|24 MIX is the first viable, affordable, and proven solution for all of your recording, mixing and mastering needs. Just look at the specs below. Or better yet, take a listen. The proof is in the music.

### SYSTEM REQUIREMENTS

- Digidesign-approved Mac OS or Windows based Pro Tools system\*

\* For the latest compatibility information, including updated computer requirements, visit Digidesign's website at [www.digidesign.com](http://www.digidesign.com)

All specifications are subject to change without notice.



## TECHNICAL SPECIFICATIONS

### Analog-to-Digital Performance

- 24-bit A/D converters
- Dynamic Range: 110 dB (A-weighted); 107 dB (unweighted); @ 22 Hz – 20 kHz bandwidth
- THD+N: <0.003%; @ -0.01 dBFS, 1 kHz, 22 Hz – 20 kHz bandwidth
- Frequency Response: 10 Hz – 20 kHz, ± 0.6 dB
- Maximum Input Level: +26 dBu

### Misc. Specifications

- Internal Clock Jitter (44.1 kHz – 48 kHz): <40 pS RMS 22 Hz – 22 kHz bandwidth
- Nominal Operating Level: +4 dBu (18 dB headroom) user adjustable

### Digital-to-Analog Performance

- 24-bit D/A converters
- Dynamic Range: 105 dB (A-weighted); 103 dB (unweighted); @ 22 Hz – 20 kHz bandwidth
- THD+N: <0.003%; @ -0.01 dBFS, 1 kHz, 22 Hz – 20 kHz bandwidth
- Frequency Response: 10 Hz – 20 kHz, ± 0.6 dB
- Maximum Output Level: +26 dBu (bridging loads)

### Physical Specifications

- Power Requirements: 90-260 VAC, 47-63 Hz; 35 VA, auto-switching
- Weight: 7.5 lbs. (4.1 kg.)
- Dimensions: 2U external rackmount device, 19" x 3.5" x 9.75" (48.26 cm x 8.89 cm x 24.77 cm) black anodized finish

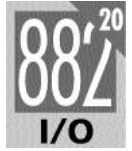
[www.digidesign.com](http://www.digidesign.com)

**digidesign®**

A division of **Avid**

# 882|20 I/O™

High Quality 20-Bit Multi-Channel Audio Interface



## FEATURES

- Professional audio performance
- Cost-effective I/O expansion
- 8 channels of high quality, A/D and D/A conversion
- S/PDIF connectors (RCA-style) for 2 channels of digital I/O
- Balanced or unbalanced operation via 1/4" TRS phone jacks
- Switchable +4 dBu and -10 dBV operation

The 882|20 I/O Audio Interface is our high performance entry-level audio interface for Pro Tools. We spared no details to ensure that the sound of the 882|20 would please even the most discriminating listeners. For starters, it features 20-bit D/A and A/D converters, 24-bit digital performance, and an extremely low noise floor (+100 dB range). Designed to be a flexible, high quality interface for project-based studios, the 882|20 is a perfect I/O solution for most music and multimedia productions.

The 882|20 makes an excellent primary or auxiliary audio interface for Pro Tools|24 or Pro Tools|24 MIX systems — ideal for connecting out-board signal processing gear, keyboards, or other external devices. It even operates standalone as a 2-channel, 20-bit A/D converter or D/A converter without Pro Tools (or any other) software.

### ANALOG AND DIGITAL CONNECTIONS

The eight analog I/O connections are balanced tip-ring-sleeve (TRS) 1/4" connectors and can be switched globally via software for +4 dBu or -10 dBV operation. Two channels of S/PDIF digital I/O provide the link to many consumer and professional

DAT recorders, CD players, and other devices. With a 24-bit capable system, such as Pro Tools|24, the S/PDIF ports can be used to record, write, and play 24-bit files.

### BIG PERFORMANCE AT A SMALL PRICE

Whether you're just entering into the exciting world of Pro Tools and need a high quality primary audio interface or an experienced pro seeking to expand or upgrade your I/O capabilities, the 882|20 I/O offers world-class performance at an affordable price. Add your choice of digital audio workstation from Digidesign, and this great-sounding interface will help take you where you want to go.

### SYSTEM REQUIREMENTS

- Digidesign-approved Mac OS or Windows based Pro Tools system\*

\* For the latest compatibility information, including updated computer requirements, visit Digidesign's website at [www.digidesign.com](http://www.digidesign.com)

All specifications are subject to change without notice.



## TECHNICAL SPECIFICATIONS

### Analog-to-Digital Performance

- 20-bit A/D converters
- Signal-to-Noise Ratio: 103 dB or greater (A-weighted); 100 dB or greater (unweighted) @ 22 Hz – 22 kHz
- THD+N: <0.003% @ 1 kHz; 20 Hz – 20 kHz
- Frequency Response: >22 Hz to 22 kHz, ±0.5 dB

### Digital-to-Analog Performance

- 20-bit D/A converters
- Signal-to-Noise Ratio: 98 dB or greater (A weighted); 96 dB or greater (unweighted) @ 22 Hz – 22 kHz
- THD+N: <0.003% @ -1 dBFS, 1 kHz; 22 Hz – 22 kHz
- Frequency Response: >22 Hz to 22 kHz, ±0.5 dB

### Misc. Specifications

- S/PDIF resolution: 24-bit
- Max input and output level: +18 dBu

### Physical Specifications

- Power Requirements
  - Voltage: 85 to 264 VAC
  - Frequency: 47 to 63 Hz, autoswitching
  - Wattage: 5 W typical, 30 W max
- Weight: 4.8 lbs. (2.2 kg)
- Dimensions: 1U external rack mount device; 19" x 1.75" x 7.5" (48.26 cm x 4.45 cm x 24.77 cm); black anodized finish

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