

888

PORTABLE PRODUCTION MIXER-RECORDER



16 CHANNELS

20 TRACKS

8 MIC/LINE PREAMPLIFIERS

16 CHANNELS DANTE I/O



Left Panel



Right Panel



Back Panel

10 BUSES

2 SD CARD SLOTS

256 GB INTERNAL SSD

Meet the 888 - the portable mixer-recorder that's compact and light enough to use in a bag, yet has the high channel count and power required for mobile cart productions. The 888 is the smallest portable mixer-recorder on the market that offers Dante for sending and receiving audio over Ethernet. With 8 ultra low-noise, 8-Series microphone preamplifiers, 16 channels, 20 tracks, multiple powering methods, and support for multiple USB control surfaces, the 888 can be easily tailored to your workflow. An updated processing architecture and multiple FPGAs enables the 888 to be fully routable: any physical input may be sent to any track, bus, or output.

Many features have carried over from the premium Sound Devices' Scorpio, such as the new 8-Series preamplifier design, 2 SD card slots, internal 256GB SSD, and dual L-Mount battery charging and powering. Alternatively, power your 888 using a smart battery, NP-1 battery, or an in-line power supply via its TA4 DC input. The ultra-accurate, fully-featured timecode generator contains its own battery to hold timecode for up to four hours after power off.

Dedicated coms and slate allows for professional bi-directional communication with other crew members. Send customized mixes to the camera or crew with multiple mix buses. With the ability to record to three media simultaneously, you can turn over an SD card to production, AAC files for transcription, and keep a backup on the internal 256 GB SSD.

A built-in three band EQ may be set to either pre- or post-fade for each channel to tackle any problems directly on-set. Enable Dugan Automixing or MixAssist to automatically attenuate unused microphones in multi-microphone applications. Up to 16 channels can be automixed at a time.

Get the perfect fit on your cart with one of several supported USB control surfaces for remote fader and transport control. Download the companion Android app, SD-Remote, to access to transport controls, metering, and sound reports on a large touch screen.

Elevate your kit with the 888 Portable Production Mixer-Recorder.

888 Accessories

XL-NPTA4

- NP-1 Battery Cup to TA4 female with 25" cable

XL-SmartBattery

- 14.4 V Smart Battery Li-ion 6.8 Ah, 98 Wh.

XL-SmartCharger

- Inspired Energy dual charger for XL-SmartBattery

XL-SmartCup

- XL-SmartBattery Cup to TA4 female connector cable

XL-B2

- L-Mount Li-Ion V, 5200 mAh battery

XL-B3

- L-Mount Li-Ion V, 7800 mAh battery

XL-WPTA4

- Universal 60 W in-line AC to DC Power Supply with TA4 DC Plug with detachable IEC power cord 100-240 V, 50-60 Hz (Included with 888)

SD-Remote

SD-Remote

- Companion Android application
- Large metering and timecode display
- Configure and email Sound Reports
- Transport control
- Metadata editing

USB Control Surface

- Sound Devices CL-12 Support
- Supports multiple third party controllers via MCU open protocol

SAM-32SD

- Approved 32 GB SD media card
- 90 MB/s read and write speeds (620x)

888 Specifications

Freq. Response	• 10 Hz to 80 kHz $\pm$ 0.5 dB (192 kHz sample rate, re 1 kHz)	Maximum Output Level (all into 10k load)	• Line: +20 dBu (7.8 Vrms) • "-10": +6 dBu (1.5 Vrms) • Mic: -20 dBu (0.078 Vrms) • X5/X6 Out: +6 dBu (1.5 Vrms) • Headphone outputs (1/4", TA-5, X7/X8): +14 dBu (4.0 Vrms)
THD + Noise	• 0.005% max (1 kHz, 22 Hz-22 kHz BW, trim @20, fader @ 0, -10 dBu in)	A/D converters	• 32-bit, 120 dB, A-weighted dynamic range typical • Sampling rates 44.1 kHz, 47.952 kHz, 48 kHz, 48.048 kHz, 88.2 kHz, 96 kHz, 192 kHz
Equivalent Input Noise	• -131 dBV (-129 dBu) max (A-weighting, 76 dB gain, 150 ohm source impedance)	Digital Outputs	• AES3 transformer-balanced, in pairs; 1-2 (XLR-L), 3-4 (XLR-R) • 110 ohm, 2 V p-p, AES and S/PDIF compatible
Processing Engine	• Highly extensible, full FPGA-based audio processing, 3 FPGAs • Six-way ARM multiprocessor system • 64-bit audio processing precision	Recording	• Internal 256 GB SSD • Two removable SD Cards • Simultaneous recording to internal SSD and the two SD cards • exFAT formatting • 20 tracks (16 iso channels, 4 buses) • Broadcast WAV monophonic and polyphonic file format • 64-bit WAV (RF64) monophonic and polyphonic; support for files > 4 GB • AAC 2 track at 48 kHz, selectable bit rate 32, 64, 128, 192, 256 kbps
Audio Over Ethernet	• Dante, 16 channels in, 16 channels out • AES67 compatible • 1 Gb/s Ethernet, 1 port, transformer-balanced	Automixing	• Dugan Automixing/MixAssist for up to 16 channels on left and right mix bus
Inputs	• Mic/Line inputs: 8 total, all fully featured; 4 on full-size XLR, 4 on TA3 • Mic-level inputs: (XLR, TA3): Class-A, discrete differential long-tail pair, 4k ohm input impedance • Line-level inputs: (XLR, TA3): active-balanced, 4k ohm input impedance • AES3 or AES42 available on XLR input 1 • AES42: +10 V, 250 mA available, type-1, auto-ASRC • Rtn A, B (TA3/3.5 mm): unbalanced 2-channel, 4k ohm input impedance • Com Rtn (TA3) balanced, 1-channel, 8k ohm input impedance • External Slate Mic (TA5): balanced, 8k ohm input impedance, menu-selectable 12 V phantom	USB	• USB-C (USB 3.1 type 1) for file transfer of internal SSD, both SD Cards • USB-A host for keyboard, external controller, external USB hubs supported for connecting multiple devices
Maximum Input Level	• Mic: +8 dBu (2.0 Vrms) • Line: +28 dBu (19.5 Vrms) • Rtn A, B: +18 dBu (6.2 Vrms) • Com Rtn: +24 dBu (12.3 Vrms) • External Slate Mic: +12 dBu (3.2 Vrms)	Timecode and Sync	• Modes Supported: Off, Rec Run, Free Run, 24h Run, External, including External Auto-Record and Continuous modes. • Frame Rates: 23.98, 24, 25, 29.97 DF, 29.97 ND, 30 DF, 30 ND • Sample/Timecode Accuracy: 0.1 ppm (0.25 frames per 24 hours) • Timecode Input: 20k ohm impedance, 0.3 V - 3.0 V p-p (-17 dBu - +3 dBu) • Timecode Output: 75 ohm impedance, 5 V p-p (+12 dBu) • Word Clock Input: 10k/75 ohm selectable impedance, 1-5 V p-p input sensitivity • Word Clock Output: 75 ohm impedance, 5 V p-p output, at SR
High-Pass Filters	• Adjustable 10 Hz to 320 Hz, 18 dB/oct. 1st stage analog (before preamp), 2nd stage digital	Remote Control	• USB MIDI Control - 3rd party fader controllers • Sound Devices CL-12 Support • SD-Remote Android app • USB Keyboard • External Timecode Record Trigger
Limiters	• Limiters available at all channels, buses, headphones, for all sample rates • Analog first stage, all subsequent stages digital • Attack time: 1 ms • Release time: adjustable, 50 ms to 1000 ms • Threshold: adjustable, -2 dBFS to -12 dBFS • Selectable knee: hard or soft • Selectable ratio: inf:1, 20:1, 18:1, 16:1, 14:1, 12:1, 10:1	Power	• External: dual 10-18 V inputs on locking TA4 connectors, pin-4 = (+), pin-1 = (-) • Dual rear-mount Sony-style L-mount batteries with chargers • Intelligent power-down of unused mic preamps and other internal circuits
Delay	• Channel Adjustable 0-50 ms • Output Adjustable 0-500 ms	Environmental	• Operating: -20° C to 60° C, 0 to 90% relative humidity (non-condensing) • Storage: -40° C to 85° C
Maximum Gain	• Trim stage (mic input): 76 dB • Trim stage (line input): 50 dB • Fader stage: 16 dB • Bus stage: 16 dB • Headphone stage: 20 dB • Mic-to-Line: 108 dB • Mic-to-Headphone: 112 dB	Dimensions (H x W x D)	• 5.1 cm x 24.5 cm x 18.5 cm (2.0 in x 10.0 in x 7.3 in)
Outputs	• XLR (L, R) active-balanced, 250/3.2k/120 ohms (mic/-10/line) • TA3 (X1-X4) active-balanced, 250/3.2k/120 ohms (mic/-10/line) • 3.5mm (X5,X6, X7, X8): unbalanced, stereo, 1.8k ohms	Weight	• 4.0 lbs (1.83 kg) unpackaged, without batteries
Headphone Outputs	• 1/4", 3.5 mm • TA5 (along with mic input pins) for single connection to headset + mic • High output, 4 ohm output impedance, 400 mW + 400 mW at each connector, all individually driven • Compatible with headphones of any impedance		

Post Office Box 576
E7556 State Rd. 23 and 33
Reedsburg, Wisconsin 53959 USA
+1 608.524.0625
www.sounddevices.com

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