

Portable Production Mixer with Integrated Recorder



Description

Sound Devices presents the 552 Production Mixer, the most technologically advanced portable audio mixer ever made. Using the best analog and digital technologies, along with advanced mechanical construction, the 552 gives professionals a superb sounding, compact, lightweight and power-efficient mixer that is equally at home in simple run-and-gun applications or in complex multi-input, multi-output production setups.

The 552 contains five precision high-dynamic-range transformer-balanced microphone inputs with expanded gain and headroom. Each input accepts audio sources of various types and levels. Inputs have their own limiter, sweepable high-pass filter, and pre-or-post-fade direct output.

The 552 has an integrated digital audio recorder writing industry-standard Broadcast Wave files to SD and SDHC media. A simple joystick controller is used

552 Key Features

- Five high-performance microphone inputs with two-stage gain control, limiter, high-pass, and solo monitoring
- Pre- or post-fader direct outputs per input
- Multiple, balanced output connections, including XLR, Hirose 10-pin, and TA3
- AES/EBU outputs, two connections for four channels of digital output
- Integrated digital recorder with simple control records to SD or SDHC media
- Records uncompressed Broadcast WAV up to 96 kHz sampling or MP3 files
- Accepts time code input to time-stamp recorded audio files
- Flexible metering modes, including zoom metering for high precision near 0 dBfs
- Voice-prompts appear in headphones for critical operational information and when navigating Setup Menu
- Lightweight design used metalized, molded carbon fiber top and bottom panels for durability and strength
- Front panel is gasketed for protection from weather
- Powered by four-AA batteries or external 10-18 VDC

to take command of recording functions. Push up to begin recording. Either WAV or MP3 files can be recorded.

The 552, like all Sound Devices professional audio products, are designed to withstand the physical and environmental extremes of field

production. The 552 uses molded, metalized carbon fiber top and bottom chassis panels for increased durability and weight reduction. Additionally, its front panel is gasketed for improved resistance to moisture.

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Portable Production Mixer with Integrated Recorder



[Back Panel]



[Left Panel]



[Right Panel]

Quick Specs

Analog Inputs:

- Five transformer-balanced mic/line inputs using Lundahl input transformers, 5 x XLR connectors
- Dual-stage gain with separate input trim (up to 72 dB of gain) and fader (additional 15 dB of gain)
- Selectable 48 V phantom on mic or line level, 12 V phantom option selectable in Setup Menu
- Fully variably high-pass filters with compound slope from 12 dB to 6 dB/octave
- Input peak limiters for each of the five inputs
- Polarity reverse selectable on inputs 2 & 4

Analog Outputs:

- Left/Right transformer-balanced switch-selectable mic/aux/line-level outputs on XLR and Hirose 10-pin connectors
- Balanced left/right outputs on TA3 connectors, menu selectable mic or line level.
- Unbalanced tape-level output on both 3.5 mm and locking TA3 connectors
- Summed mono, unbalanced mic-level output on 3.5 mm connector

Digital Output Selection:

- Transformer-balanced AES/EBU outputs on XLR, four channels, 110 ohm
- AES A - left XLR, two-channel, source selected from Setup Menu
- AES B - right XLR, two-channel, source selected from Setup Menu
- High-accuracy word clock generator, supports sampling rates of 44.1, 48, 88.2, and 96 kHz, menu-selectable

Digital Recorder:

- Two-channel, records audio sent to AES A
- 16 or 24 bit two-channel WAV file with sampling rate set from digital outputs.
- Broadcast WAV metadata added to WAV files
- Compressed, two-channel MP3 file selection of 64, 128 and 256 kb/s, timecode written to ID3 tag
- Timecode input used to write timecode value to file metadata

Data Storage

- Removable SD or SDHC card media, up to 2 TB addressable
- Fixed syntax filename, using date-time extension
- FAT32 formatting, unit formats SD cards if they are not FAT32 format

Powering:

- Battery powered from four AA (LR6) cells, accepts initial cell voltages from 1.2 V to 1.5 V (compatible with rechargeable cell chemistries)
- 10–18 VDC external input
- Internal and external voltage displayed on output meter using battery check function

Mechanical Construction:

- Class-defining compact size and weight
- 53 mm x 279 mm x 168 mm (H x W x D), 2.1" x 11" x 6.6"
- 4.0 lbs (1.8 kg) with 4-AA batteries
- Aluminum & stainless steel chassis for exceptional durability and low weight
- Carbon fiber top and bottom panels for exceptional strength and low weight
- Splash-resistant front panel
- Extensively tested for operation in environmental extremes

