

PRESS RELEASE

Zoom unveils the new F8n MultiTrack Field Recorder



Zoom today unveiled the new F8n MultiTrack Field Recorder. After over 3 years of great success with the ever-popular F8, we are proud to announce a new flagship model among Zoom professional field recorders, the Zoom F8n. The F-Series has already set a major benchmark with its professional-level devices available for accessible prices. The new F8n maintains the winning form factor of the F8 and F4 while introducing expanded advanced features and hardware upgrades aimed at professionals.

The new F8n will support +4dB In/Out levels, integrate advanced look-ahead hybrid limiters, simultaneous SD Card + USB recording capability and Zoom's original new AutoMix™ function. The F8n features also an upgraded headphone output with advanced routing and more powerful headphone amp. The F8n is perfect for 360-audio thanks to the F8n's Ambisonics mode. Shipping worldwide will start from July 2018.

Content of this Press Release:

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Rangsdorf, 4th of June 2018 – When developing the F8n, it was our mission to provide every sound professional with the tools to create something exceptional. With features such as Advanced Look-Ahead Hybrid Limiters, Zoom AutoMix™, and mic/line options for both XLR and TRS inputs, the F8n is the next generation of professional field recording.



Overview

Facts

- Zoom announces F8n MultiTrack Field Recorder
- New Look-Ahead Hybrid Limiter
- New AutoMix™ Software
- New improved headphone output
- Simultaneously Recording to SD Card and USB
- Perfect for 360-audio

Product name

F8n MultiTrack Field Recorder

Brand

Zoom

Exclusive distribution

Sound Service GmbH

Website

www.sound-service.eu
www.zoom.co.jp

Price (MSRP)

1199,- Euro incl. 19% VAT

Availability

July 2018

Media

Press download incl. images

<http://www.sound-service.eu/press-area/press-kits>

Products for review

Please use press contact below!

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Advanced Look-Ahead Hybrid Limiters

The F8n is equipped with Advanced Look-Ahead Hybrid Limiters that provide overload protection no matter what comes your way. By adding a 1 millisecond delay, the limiters “look ahead” anticipating clipping before it’s recorded. Limiting is applied to each of the 8 channels simultaneously at full resolution, with 10 to 20 dB of headroom to ensure pristine audio on every take.

Mic Preamps

The F8n features a super-low noise floor (–127 dBu EIN) and high gain (up to 75 dB). Mic/line levels are selectable for both XLR and TRS inputs.

Zoom AutoMix™

Meet your new assistant sound editor, the Zoom AutoMix™. This smart software auto-matically adjusts the levels of your mix to reduce the amount of ambient sound, so you can focus on what really matters – capturing a well-balanced mix.

State-Of-The-Art Time Code

The F8n utilizes a Temperature Compensated Crystal Oscillator (TCXO) that generates time code at 0.2 ppm accuracy, enabling rock-solid syncing of audio and video. When powered off, the F8n will maintain a 0.2 ppm accuracy. Time code I/O is provided on BNC connectors.

Simultaneous-Recording

The F8n can record to an SD card and your computer via USB simultaneously. And you can easily back up your files and stream live while recording.

Dual SD Card Recording

Record simultaneously on two SD/SDHC/SDXC cards, up to 512 GB each, allowing for redundant recording.

Three Power Sources

A 4-pin Hirose connector allows the use of external 9-18 volt DC battery packs. Power can also be provided by 8 AA batteries or the AD-19 AC adapter included with your device. The F8n can switch power sources at a user-defined voltage level for uninterrupted recording.

Dual-Channel Recording

The F8n’s dual-channel recording mode allows you to create safety tracks by doubling up the recordings from inputs 1-4 onto tracks 5-8. Tracks can be controlled independently, allowing you to customize each safety track with different gain, limiting, and more.

Pre-Record

The pre-record function allows you to capture up to 6 seconds of audio before you hit the REC-ORD button.

Louder, Cleaner, and Clearer Monitoring

Volume, clarity, and immersion are equally important for proper monitoring in the field. That’s why updates have been made to the F8n’s headphone processing to maximize all three. A digital gain boost has been added to minimize ambient bleed, which can cause comb filtering resulting in poor audio quality. Signals can be freely routed to the left and/or right headphone channels, pre- or post-fader. Additionally, the headphone output can be switched to mono. You also can set headphone alert tones for low battery, recording start/stop, or recording errors.

iOS Wireless Control

The Zoom F8 Control App for iOS provides extensive wireless remote control of the F8n from your iPhone or iPad using Bluetooth LE protocol. Functions include mixer pan and fader levels as well transport controls. It also monitors input levels, current time code, and battery status. When you’re finished, you can even enter file and metadata info directly from your iOS device.

Zoom F-Control

Sold separately, the Zoom F-Control is the control surface that no serious rig is complete without. With 60mm faders and clear channel indicators, the F-Control’s simple, ergonomic design gives you complete authority over your workflow. Pair your F-Control with the Zoom F8 Control App to turn your iPhone or iPad into a large-scale meter monitor for easy reading.

The Software

File formats, resolution, and sample rates

The F8n records in BWF-compatible WAV formats up to 24-bit resolution and at sample rates up to 192 kHz. When recording files in MP3, you can choose bit rates of 128, 192, or 320 kbps.

Metadata

Full Metadata entry is available including track name, scene names, notes, and more. Use your smartphone or tablet to enter your data via the Zoom F8 Control App for iOS or input it directly on the F8n.

Processing

The F8n features flexible signal routing from all inputs to all outputs. In addition to advanced hy-brid limiters, the F8n also provides high-pass filtering to reduce the sound of wind and other noise, plus phase inversion and Mid-Side decoding. Input and output delays are also available.

Ambisonics

Capable of recording 360-audio, the F8n is a must-have for engineers of the future. The F8n's Ambisonics mode features A to B decoding, gain and settings linking, and a customized metering screen.

The VR Dream Team

For the ultimate VR rig, pair the Zoom F8n with a Sennheiser AMBEO mic. Built for mobility and backed by two quality names, this combination lets you capture premium 360-audio anywhere and everywhere.

What's in the Box**Here's what comes included with the F8n**

- Zoom AD-19 12V AC Adapter
- Cubase LE and WaveLab LE download codes
- Operation manual

Optional Accessories

- PCF-8n Field Bag for F8n MultiTrack Field Recorder
- PCF-4 Field Bag
- ECM-3 Mic Capsule Extender Cable
- ECM-6 Mic Capsule Extender Cable
- XYH-5 X/Y Mic Capsule
- XYH-6 X/Y Mic Capsule
- MSH-6 Mid-Side Mic Capsule
- SGH-6 Shotgun Mic Capsule
- SSH-6 Stereo Shotgun Mic Capsule
- EXH-6 Dual XLR/TRS Input Capsule
- CMF-8 Camera Mounting Bracket
- TXF-8 TA3 to XLR Cables

Technical Specifications

- Recording media: Dual SD card slots support 16MB–2GB SD cards, 4GB–32GB SDHC cards and 64GB–512GB SDXC cards

Inputs

- INPUT 1–8
- Connectors: XLR/TRS combo jacks (XLR: 2 hot, TRS: TIP hot)
- Input source set to Mic
- Input gain: +10 – +75 dB
- Input impedance: 2 kΩ
- Maximum input level: +14 dBu (at 0 dBFS, limiter ON)
- Phantom power: +24/+48V 10mA maximum for each channel
- Input source set to Line
- Input gain: -10 – +55 dB

- Input impedance: 2.6 k Ω
- Maximum input level: +24 dBu (at 0 dBFS, limiter ON)
- Equivalent input noise: -127 dBu or less (A-weighted, +75dB input gain, 150 Ω input)
- Frequency characteristics: 10 Hz – 80 kHz +0.5dB/-1dB (192kHz sam-pling rate)
- A/D dynamic range: 120 dB typ (-60dBFS input, A-weighted)
- Crosstalk: -90 dB or less (between adjacent channels, 1kHz)
- MIC IN: ZOOM mic capsule input (use disables Inputs 1/2)
- SLATE MIC: Built-in mic for voice mem-os can be assigned to tracks free!

Outputs

- MAIN OUT 1/2
- Connectors: TA-3 connectors, balanced output (2: hot)
- Output impedance: 150 Ω or less
- Reference output level: -10 dBV (normal output level), +4 dBu (Output Level: Line), 1 kHz, 600 Ω load
- Maximum output level: +10 dBV (normal output level), +24 dBu (Output Level: Line), 1 kHz, 600 Ω load
- SUB OUT 1/2
- Connector: 3.5mm stereo mini unbal-anced output jack
- Output impedance: 100 Ω or less
- Reference output level: -10 dBV (normal output level), -40 dBV (mic output level), 1 kHz, 10k Ω load
- Maximum output level: +10 dBV (normal output level), -20 dBV (mic output level), 1 kHz, 10k Ω load
- HEADPHONE
- Connector: 1/4" unbalanced stereo output jack
- Output impedance: 15 Ω or less
- Maximum output level: 100mW + 100mW (32 Ω load)
- D/A dynamic range: 106 dB typ (-60dBFS input, A-weighted)

Recording formats

- When WAV selected
- Supported formats: 44.1/47.952/48/48.048/88.2/96/192kHz, 16/24-bit, mono/stereo//2-10ch poly, BWF and iXML
- Maximum simultaneous recording tracks
- 10 (8 inputs + stereo mix)
- 8 (at 192kHz sampling rate)
- When MP3 selected
- Supported formats: 128/192/320kbps, 44.1/48kHz, ID3v1 tags
- Maximum simultaneous recording tracks: 2

Recording time

- Using a 32GB card
- 30:51:00 (48kHz/24-bit stereo WAV)
- 7:42:00 (192kHz/24-bit stereo WAV)

Timecode

- Connector: BNC
- Modes: Off, Int Free Run, Int Record Run, Int RTC Run, Ext, Ext Auto Rec (audio clock can be synchronized to time-code)
- Frame rates: 23.976ND, 24ND, 25ND, 29.97ND, 29.97D, 30ND, 30D
- Precision: ± 0.2 ppm
- Supported input levels: 0.2 – 5.0 Vpp
- Input impedance: 4.6 k Ω
- Output level: 3.3 Vpp
- Output impedance: 50 Ω or less

Power supplies

- Batteries: 8 AA
- AC adapter: AD-19 DC12V 2A (center plus)
- External DC power supply: HIROSE HR10A-7R-4S 4-pin connector (1 pin: -, 4 pin: +), 9-18V
- Power consumption: 15 W

Continuous recording time

- When recording 2 channels at 48kHz/16-bit to SD1 with MAIN/SUB OUT OFF, TIME CODE OFF, LED/LCD Brightness 5, 32Ω headphones, PHANTOM OFF
- Alkaline batteries: 6 hours or more
- NiMH (2450mAh): 8.5 hours or more
- Lithium batteries: 12 hours or more
- When recording 8 channels at 48kHz/24-bit to SD1 with MAIN/SUB OUT OFF, TIME CODE OFF, LED/LCD Brightness 5, 32Ω headphones, PHANTOM OFF
- Alkaline batteries: 3.5 hours or more
- NiMH (2450mAh): 6 hours or more
- Lithium batteries: 8 hours or more
- When recording 8 channels at 192kHz/24-bit to SD1 with MAIN/SUB OUT ON, TIME CODE Int Free Run, LED/LCD Brightness 60, 32Ω headphones, PHANTOM 48V
- Alkaline batteries: 1 hour or more
- NiMH (2450mAh): 2 hours or more
- Lithium batteries: 3 hours or more
- Display: 2.4" full-color LCD: 320x240

USB

- USB: Mass storage operation
- Class: USB 2.0 High Speed
- USB: Multi Track audio interface operation (driver required for Windows, not required for Mac)
- Class: USB 2.0 High Speed
- Specifications: 44.1/48/88.2/96kHz sampling rate, 16/24-bit bit rate, 8 in/4 out
- USB: Stereo Mix audio interface operation (no driver required)
- Class: USB 2.0 Full Speed
- Specifications: 44.1/48kHz sampling rate, 16-bit bit rate, 2 in/2 out
- Audio Out From USB: multitrack operation (driver required for Windows, not required for Mac)
- Class: USB 2.0 High Speed
- Specifications: 44.1/48 kHz sampling rate, 16/24-bit bit rate, 8 in/4 out
- Note: iOS device audio interface operation supported (stereo mode only)

External dimensions

- Main unit: 178.2 mm (W) × 140.3 mm (D) × 54.3 mm (H)

Weight

- Main unit: 1000 g

About the Company Sound Service European Music Distribution

Founded in 1983, the Berlin based Sound Service European Music Distribution has been growing steadily from a one-product-distributor (MFB Fricke; the world's first digital drummachine) to one of the major independent german distribution companies for musical instruments recording studio equipment and PA, Lightning and DJ products. Today Sound Service is one of the leading distribution companies in Europe with exclusive distribution rights for a lot of the A-List MI-brands covering most of the countries in Europe.