

WE'RE FOR CREATORS **SCOL*** PROFESSIONAL FIELD RECORDERS 2019



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Ready, Aim, Record

Connect the F1 and Shotgun to the included shock mount and attach it to your camera. Then connect the F1's audio output to your camera's input using the included 3.5mm stereo cable and you're ready to record.

Audio Redundancy

While recording to your camera, the F1 can also record to a microSD card, providing a stereo audio file which can be edited in post-production.

Bright Light? No Problem.

Monitor your levels, battery life, lo-cut settings and more with the F1's newly designed monochromatic display, ensuring visibility even in bright sunlight.

One-Touch Controls

One-touch buttons make record levels, limiter settings, and volume output easily accessible.

Smooth Ride

The SMF-1 shock mount was engineered to eliminate unwanted thumping sounds caused by vibrations when shooting on the

Essential Features for Videographers

CALIBRATE AND SYNC

The F1's tone generator provides a test tone to assist in setting proper audio levels. Sound markers make aligning audio and video easy.

NO CHANCE OF OVERLOAD

An on-board limiter keeps your levels safe when spikes in loud volume occurs.

CONVENIENT POWER SOURCES

The F1 can be powered using two AAA batteries (included) or with the optional AD-17 power adapter.

USB CONNECTIVITY

Transfer recordings to your computer in card reader mode or record directly to your computer using the F1 in USB audio interface mode.

Record in Multiple Audio Formats





The F1 records audio in WAV or MP3 formats. WAV files are automatically time-stamped, making them Broadcast Wave Format (BWF) compliant.

One Recorder, Multiple Mic Options

With our proprietary 10-pin connector, the F1 is compatible with all of Zoom's interchangeable mic capsules, providing options for any recording











Windscreen

F1-SP: Field Recorder + Shotgun Mic Pack



Stereo Mini Cable Shotgun Microphone





Shock Mount

F1 Field Recorder





Low Profile Design

With its minimal profile, the F1 attaches neatly on belts, waistbands, or slipped into a pocket so the recorder can be easily concealed.



Worry-Free Recording

The LMF-1 Lavalier mic connects directly to the F1 and records to a micro SD card. By recording directly to the F1, interference or noise commonly experienced when using a wireless beltpack system is eliminated.

One-Touch Controls, Easy-To-Read Display

The F1's one-touch buttons gives you easy access to record levels, limiter control, lo-cut filter and volume output. It's newly designed monochromatic LCD display ensures visibility even in bright sunlight.

Essential Features for Videographers

AUTO LOCK

The Record Hold function or the Hold Switch can be used to prevent your subject from accidentally hitting buttons while recording.

NO CHANCE OF OVERLOAD

An on-board limiter and auto-level control keep your levels safe when spikes in loud volume occurs.

CONVENIENT POWER SOURCES

The F1 can be powered using two AAA batteries (included) or with the optional AD-17 power adapter.

USB CONNECTIVITY

Transfer recordings to your computer in card reader mode or record directly to your computer or iPad using the F1 in USB audio interface mode.

Record in Multiple Audio Formats





The F1 records audio in WAV or MP3 formats. WAV files are automatically time-stamped, making them Broadcast Wave Format (BWF) compliant.

One Recorder, Multiple Mic Options

With our proprietary 10-pin connector, the F1 is compatible with all of Zoom's interchangeable mic capsules, providing options for any recording situation.



F1-LP: Field Recorder + Lavalier Mic Pack



and WSL-1 Windscreen

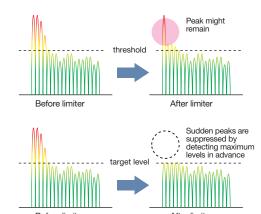




We Stacked the Deck

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 automatically 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.

* Zoom AutoMix™ cannot be used when 192 kHz sampling is selected.

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 up to 0.2 ppm accuracy. Time code I/O is provided on BNC connectors.

Safeguard Your Recordings

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

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 RECORD button.

Simultaneous-Recording

The F8n can record to an SD card and your computer via USB simultaneously. For use during livestreaming, file back-up and more. And you can easily back up your files and stream live while recording.

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.



The hardware

INPUTS

The F8n provides 8 discrete inputs with locking Neutrik XLR/TRS combo connectors, allowing you to plug in any microphone, wireless pack, or line level device. Any input can also be used as a camera return.

MAIN OUTPUTS

The F8n provides four outputs: two Main Outs (on balanced TA3 mini-XLR jacks) for connection to external mixers and processing devices; and two Sub Outs (on a single unbalanced 1/8" stereo mini-jack) for connection to a camera. The F8n also provides a selectable +4 dBu output.

SD CARD SLOT

Record on two SD/SDHC/SDXC cards, up to 512 GB each, simultaneously, allowing you to instantly backup or split recordings.

USB PORT

A USB port enables firmware updates, file transfer, and allows the F8n to be used as an 8-in/4-out USB audio interface operating at sample rates up to 96kHz.

10-PIN MIC CONNECTOR

Our proprietary 10-pin connector enables the use of interchangeable Zoom mic capsules, with optional extension cables that allow for remote positioning.





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 hybrid 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.

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 FRC-8 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.

360° Audio

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.



F8n Specifications

. ioooruli	ng media	Dual SD card slots support	16MB-2GB SD cards, 4GB-32GB SDHC cards and 64GB-512GB SDXC cards		
	INPUT 1–8	Connectors	XLR/TRS combo jacks (XLR: 2 hot, TRS: TIP hot)		
	1141 01 1-0	Input gain	+10 - +75 dB		
	Input source set to	Input impedance	2 kΩ		
	Mic (→P.80)	Maximum input level	+14 dBu (at 0 dBFS, limiter ON)		
	11.00/	Phantom power	+24/+48V 10mA maximum for each channel		
		Input gain	-10 - +55 dB		
	Input source set to Line	Input impedance	2.6 kΩ		
nts		Maximum input level	+24 dBu (at 0 dBFS, limiter ON)		
Inputs	Equivalent input		ed, +75dB input gain, 150Ω input)		
	noise Frequency	10 Hz – 80 kHz +0.5dB/–1dB	(192kHz sampling rate)		
	characteristics	<u> </u>			
	A/D dynamic range	120 dB typ (-60dBFS input, A-weighted)			
	Crosstalk	-90 dB or less (between ad			
	MIC IN	ZOOM mic capsule input (use disables Inputs 1/2) Built-in mic for voice memos can be assigned to tracks freely			
	SLATE MIC				
	MAIN OUT 1/2	Connectors	TA3 connectors, balanced output (2: hot) 150 Ω or less		
		Output impedance			
		Reference output level Maximum output level	-10 dBV (normal output level), +4 dBu (Output Level: Line), 1 kHz, 600Ω load +10 dBV (normal output level), +24 dBu (Output Level: Line), 1 kHz, 600Ω load		
		Connector	3.5mm stereo mini unbalanced output jack		
uts	SUB OUT 1/2	Output impedance	100 Ω or less		
Outputs		Reference output level	-10 dBV (normal output level), -40 dBV (mic output level), 1 kHz, 10kΩ load		
ŏ		Maximum output level	+10 dBV (normal output level), -40 dBV (mic output level), 1 kHz, 10kΩ load		
		Connector	1/4" unbalanced stereo output jack		
	HEADPHONE	Output impedance	15 Ω or less		
		Maximum output level	100mW + 100mW (32Ω load)		
	D/A dynamic range	106 dB typ (–60dBFS input,			
	,,go	When WAV selected	· v · · · ·		
		Supported formats	44.1/47.952/48/48.048/88.2/96/192kHz, 16/24-bit, mono/stereo//2-10ch poly, BWF and iXN		
		Maximum simultaneous	10 (8 inputs + stereo mix)		
		recording tracks	8 (at 192kHz sampling rate)		
Recordin	ng formats	When MP3 selected			
		Supported formats	128/192/320kbps, 44.1/48kHz, ID3v1 tags		
		Maximum simultaneous	2		
		recording tracks	2		
		Using a 32GB card			
Recordin	ng time	30:51:00 (48kHz/24-bit stereo WAV)			
		7:42:00 (192kHz/24-bit stere	o WAV)		
		Connector	BNC		
		Modes	Off, Int Free Run, Int Record Run, Int RTC Run, Ext,		
			Ext Auto Rec (audio clock can be synchronized to timecode)		
		Frame rates	23.976ND, 24ND, 25ND, 29.97ND, 29.97D, 30ND, 30D		
Timecod	de	Precision	±0.2 ppm		
		Supported input levels	0.2 – 5.0 Vpp		
		Input impedance	4.6 kΩ		
		Output level	3.3 Vpp		
		Output impedance	50 Ω or less		
D		Batteries: 8 AA			
Power su	upplies	Batteries: 8 AA AC adapter: AD-19 DC12V 2	2A (center plus)		
Power su	upplies	Batteries: 8 AA AC adapter: AD-19 DC12V 2 External DC power supply:	2A (center plus) HIROSE HR10A-7R-4S 4-pin connector (1 pin: -, 4 pin: +), 9–18V		
Power su	upplies	Batteries: 8 AA AC adapter: AD-19 DC12V 2 External DC power supply: When recording 2 channels	2A (center plus) HIROSE HR10A-7R-4S 4-pin connector (1 pin: -, 4 pin: +), 9–18V at 48kHz/16-bit to SD1 with MAIN/SUB OUT OFF, TIME CODE OFF, LED/LCD Brightness		
Power su	upplies	Batteries: 8 AA AC adapter: AD-19 DC12V 2 External DC power supply: When recording 2 channels 32Ω headphones, PHANTOI	. 2A (center plus) HIROSE HR10A-7R-4S 4-pin connector (1 pin: -, 4 pin: +), 9-18V at 48kHz/16-bit to SD1 with MAIN/SUB OUT OFF, TIME CODE OFF, LED/LCD Brightness M OFF		
Power su	upplies	Batteries: 8 AA AC adapter: AD-19 DC12V 2 External DC power supply: When recording 2 channels 32Ω headphones, PHANTOI Alkaline batteries: 6 hours of	. Al (center plus) HIROSE HR10A-7R-4S 4-pin connector (1 pin: -, 4 pin: +), 9-18V at 48kHz/16-bit to SD1 with MAIN/SUB OUT OFF, TIME CODE OFF, LED/LCD Brightness M OFF or more, NiMH (2450mAh): 8.5 hours or more, Lithium batteries: 12.0 hours or more		
	<u> </u>	Batteries: 8 AA AC adapter: AD-19 DC12V 2 External DC power supply: When recording 2 channels 320 headphones, PHANTOI Alkaline batteries: 6 hours c When recording 8 channels	. 2A (center plus) HIROSE HR10A-7R-4S 4-pin connector (1 pin: -, 4 pin: +), 9-18V at 48kHz/16-bit to SD1 with MAIN/SUB OUT OFF, TIME CODE OFF, LED/LCD Brightness M OFF or more, NIMH (2450mAh): 8.5 hours or more, Lithium batteries: 12.0 hours or more at 48kHz/24-bit to SD1 with MAIN/SUB OUT OFF, TIME CODE OFF, LED/LCD Brightness		
	upplies	Batteries: 8 AA AC adapter: AD-19 DC12V 3 AC adapter: AD-19 DC12V 3 External DC power supply: When recording 2 channels 32Ω headphones, PHANTOI Alkaline batteries: 6 hours 6 When recording 8 channels 32Ω headphones, PHANTOI	A2A (center plus) HIROSE HR10A-7R-4S 4-pin connector (1 pin: -, 4 pin: +), 9–18V at 48kHz/16-bit to SD1 with MAIN/SUB OUT OFF, TIME CODE OFF, LED/LCD Brightness M OFF or more, NiMH (2450mAh): 8.5 hours or more, Lithium batteries: 12.0 hours or more at MARKHz/24-bit to SD1 with MAIN/SUB OUT OFF, TIME CODE OFF, LED/LCD Brightness M OFF		
	<u> </u>	Batteries: 8 AA AC adapter: AD-19 DC12V 2 External DC power supply: When recording 2 channels 3Ω headphones, PHANTOI When recording 8 channels 3Ω headphones, PHANTOI Alkaline batteries: 65 hours Alkaline batteries: 3.5 hours	. 2A (center plus) HIROSE HR10A-7R-4S 4-pin connector (1 pin: -, 4 pin: +), 9-18V at 48kHz/16-bit to SD1 with MAIN/SUB OUT OFF, TIME CODE OFF, LED/LCD Brightness M OFF or more, NIMH (2450mAh): 8.5 hours or more, Lithium batteries: 12.0 hours or more at 48kHz/24-bit to SD1 with MAIN/SUB OUT OFF, TIME CODE OFF, LED/LCD Brightness		
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F4 Multi Track Field Recorder

HOLLYWOOD SOUND GOES INDIE



Creators are making more waves in film than ever before. Thanks to affordable technology and distribution channels like YouTube, we're ushering in a new era of creativity...and it's only just begun. The Zoom F4 propels your film's sound to a whole new level. With 6-input/8-track recording, super-low-noise mic preamps, and time code with pinpoint accuracy, the F4 offers Hollywood sound at an indie budget.





The Essentials For Professional Recording

Super-Low-Noise Microphone Preamps

The F4 is equipped with our highest-quality mic preamps. Like the F8n, the F4's mic preamps enable pristine recording and playback at resolutions up to 24-bit/192 kHz. Its impressive audio specs include an extremely low noise floor (-127 dBu EIN) and high gain (up to 75 dB), with +4 dB line-level inputs.



TCXO Time Code

For precise audio/video syncing, the F4 utilizes a Temperature Compensated Crystal Oscillator (TCXO) that generates time code at 0.2 ppm accuracy—a first for this price point. The F4 supports all standard drop frame and non-drop formats, and can jam sync to time code provided by external devices. Standard BNC connectors enable easy integration into any rig.

Advanced Onboard Limiters

Advanced onboard limiters provide overload protection which lets you capture audio in a wide range of dynamic sound environments. Limiting can be applied to all four channels simultaneously at full resolution, with 10 dB of headroom and controls for setting threshold, attack, and release.

Rock-Solid Build And Lightweight Design

A compact metal chassis makes the F4 both rugged and durable, and keeps its weight down to just 2.27 pounds (1030g) without batteries.



Recording Features

Multi-Track Recording

With four XLR/TRS combo inputs, a 3.5mm stereo input, and a Zoom mic capsule input, the F4 can record up to six discrete tracks with an additional stereo mix track—all at resolutions up to 24-bit/192 kHz.

Camera Return

Input 5/6 can be used as a camera return for monitoring only. This allows you to monitor audio being sent to the camera for confidence checks.

Dual SD Card Recording

A dual SD card recording feature lets you record simultaneously on two SD/SDHC/SDXC cards (up to 512 GB each). This means you can instantly back up or split recordings. For example, you can save eight tracks on one card and a stereo mix on another.

File Protection

The F4 periodically saves files while recording, providing an extra level of protection from unexpected file interruptions like power loss or sudden SD card removal.



Dual-Channel Recording

Dual-channel recording mode lets you create safety tracks for inputs 1 and 2, each with independent level, limiting, delay, phase inversion, and high-pass filtering.

Shortcuts

Built-in shortcuts allow easy access to important menus and features. Hold the front panel OPTION button for access to TC Jam. Trim Link, Clear Clip and other important shortcuts.

Three Power Sources

Power up your F4 with 8 AA batteries or an external DC battery pack with a converter cable connector. The F4 also includes a Zoom AD-19 power supply and a DC-HIROSE adapter which serves as a third power option.



The Best Connections

Inputs

The F4 features four discrete inputs with locking Neutrik XLR/TRS combo connectors. Each input provides a dedicated preamp with gain control knob, phantom power, a six-segment LED level meter, and a Record Ready and PFL switch. The 1/8" stereo input or the Zoom mic capsule input can provide input for tracks 5 and 6. The F4 also includes a variable-frequency slate tone generator to confirm levels.

Outputs

In addition to the 1/4" headphone jack with dedicated volume control, the F4 provides four other outputs. Two Main Outs (on balanced XLR jacks) let you connect to external mixers and processing devices. Two Sub Outs (on a single unbalanced 1/8" stereo mini-jack) enable easy connection to a camera. The front panel OUTPUT button allows easy access to output levels and routing.

Time code and USB connections

Time code I/O is provided on BNC connectors. The USB port facilitates firmware updates and file transfer. It also allows the F4 to be used as a 6-in/4-out USB audio interface with sample rates up to 96 kHz.



Zoom Interchangeable Mic Capsules

Use the proprietary Zoom capsule input to connect any of the available Zoom mic capsules—such as the SGH-6 Shotgun Mic Capsule or the XYH-6 Stereo X/Y Mic Capsule—to add an on-board microphone to your F4. The optional ECM extension cable allows for remote positioning of all capsules.



Monitor Your Recordings

Flexible options help you easily monitor recordings in the field. Route any input, as well as the stereo track (pre- or post-fader), to the left or right headphone channels. A built-in 100 mW headphone amplifier provides plenty of volume for noisy environments.

You can even set headphone alert tones for low battery, recording start/stop, or recording errors.



Onboard Mixer And Effects

An onboard mixer allows for flexible signal routing from all inputs to all outputs (pre- or post-fader) with user-

adjustable level, pan, and input/output delay. Built-in limiters can be applied to all channels and tracks simultaneously. The F4 also includes built-in high-pass filtering to reduce the sound of wind and other noise, plus phase inversion and Mid-Side decoding.

Easy To Navigate Menus And Metadata

Thanks to simple menu navigation, cataloging with the F4 is easy and straightforward. The F4 features a simple file structure and allows you to enter extensive metadata (both BWF and iXML) directly onto the device.

The VR Audio Dream Team

Pair your F4 with the Sennheiser AMBEO VR Microphone* for a complete VR audio production experience. With the F4's gain linking capability, you can evenly adjust the gain on all four capsules of the AMBEO mic in one fell swoop. Lightweight, portable, and easy to mount, the F4 and AMBEO mic combination lets you capture 360-degree audio anywhere.



F4 Specifications

RECORDING MEDIA		16MB-2GB SD cards, 4GB-32GB SD		
	1–4	Connector	XLR/TRS combo jacks (XLR: 2 hot, TRS: TIP hot)	
		Input gain	+10 to +75 dB	
	XLR (MIC)	Input impedance	3 kΩ or more	
		Maximum input level Phantom power	+14 dBu (at 0 dBFS, limiter ON) +24/+48V 10mA maximum for each channel	
		Input gain	-10 to +55 dB	
	TRS (LINE)	Input gain Input impedance	22 kΩ or more	
		Maximum input level	+24 dBu (at 0 dBFS, limiter ON)	
NPUTS		Equivalent input noise	-127 dBu or less (A-weighted, +75dB input gain, 150Ω input)	
		Frequency characteristics	10 Hz - 80 kHz +0.5dB/-1.5dB (192kHz sampling rate)	
	ADDITIONAL INFO	A/D dynamic range	120 dB typ (-60dBFS input, A-weighted)	
		Crosstalk	-90 dB or less (between adjacent channels, 1kHz)	
		MIC IN (INPUT 5/6)	ZOOM mic capsule input (disables RTN (INPUT 5/6) when used)	
		Connector	3.5mm stereo mini	
	RTN (INPUT 5/6)	Nominal input gain	-10 dBV/+4 dBu	
	(57 5/5)	Input impedance	10 kΩ or more	
		Maximum input level	+10 dBV (Level: -10 dBV), +24 dBu (Level: +4 dBu)	
		Connectors	XLR balanced output (2: hot)	
	MAIN OUT 1/2	Output impedance Reference output level	150 Ω or less -10 dBV, 1 kHz, 600Ω load	
	SUB OUT 1/2 HEADPHONE	Maximum output level	+10 dBV, 1 kHz, 600Ω load	
		Connector	3.5mm stereo mini unbalanced output jack	
OLITPLITO		Output impedance	1 kΩ or less	
DUTPUTS		Reference output level	-10 dBV (Output Type: Normal), -40 dBV (Output Type: Mic), 1kHz, 10kΩ	
		Maximum output level	+10 dBV (Output Type: Normal), -20 dBV (Output Type: Mic), 1kHz, 10kΩ	
		Connector	1/4" stereo unbalanced output jack	
		Output impedance	15 Ω or less	
		Maximum output level	100mW + 100mW (32Ω load)	
	D/A	D/A dynamic range	106 dB typ (-60dBFS input, A-weighted)	
		When WAV selected	·	
		Supported formats:	44.1/47.952/48/48.048/88.2/96/192kHz, 16/24-bit, mono/stereo//2- poly, BWF and iXML	
RECORDING FORMA	TS	Maximum simultaneous recording tracks	8 (6 Inputs + LR MIX recording at 192kHz sampling rate)	
		When MP3 selected		
		Supported formats:	128/192/320kbps, 44.1/48kHz, ID3v1 tags	
		Maximum simultaneous recording tracks	2	
		Using a 32GB card		
RECORDING TIME		30:51:00 (48kHz/24-bit stereo WAV)		
		7:42:00 (192kHz/24-bit stereo WAV)	I = =	
		Connector	BNC	
		Modes	Off, Int Free Run, Int Record Run, Int RTC Run, Ext, Ext Auto Rec (audio clock can be synchronized to timecode)	
		Frame rate	23.976ND, 24ND, 25ND, 29.97ND, 29.97D, 30ND, 30D	
TIMECODE		Precision	±0.2 ppm	
		Allowed input level	0.2 – 5.0 Vpp	
		Input impedance	4.3 kΩ or more	
		Output level	3.0 Vpp ±10%	
		Output impedance	50 Ω or less	
		Batteries	8 AA	
POWER SUPPLIES		AC adapter	AD-19 DC12V 2A (center positive)	
0.4E110011EE0		External DC power supply	HIROSE HR10A-7R-4S 4-pin connector (1 pin: -, 4 pin: +), 9-16 V	
		Power Consumption	12W	
		48kHz/16-bit 2ch recording to SD1	F LED Debterre 5 000 level bearing DUMEON OF	
		Alkaline batteries	F, LED Brightness 5, 32Ω load headphones, PHANTOM OFF) 9.5 hours or more	
		NiMH (2450mAh)	11.5 hours or more	
		Lithium batteries	17.5 hours or more	
		48kHz/24-bit 4ch recording to SD1	This result of more	
			F, LED Brightness 5, 32Ω load headphones, PHANTOM OFF)	
CONTINUOUS RECO	RDING TIME	Alkaline batteries	9 hours or more	
		NiMH (2450mAh)	10.5 hours or more	
		Lithium batteries	16.5 hours or more	
			2 (MAIN/SUB OUT ON, TIME CODE set to Int Free Run, LED Brightness (
		32Ω load headphones, PHANTOM set t		
		Alkaline batteries	2 hours or more	
		NiMH (2450mAh)	3.5 hours or more	
DIEDI AV		Lithium batteries	6 hours or more	
DISPLAY		128×64 LCD with backlight		
		Mass storage operation Class:	USB 2.0 High Speed	
			Iriver required for Windows, not required for Mac)	
		Class:	USB 2.0 High Speed	
		Specifications:	44.1/48/96kHz sampling rate, 16/24-bit bit rate, 6 in/4 out	
ISB				
JSB		Stereo Mix audio interface operation (n	o driver required)	
USB		Stereo Mix audio interface operation (n		
JSB		Class:	USB 2.0 Full Speed	
JSB			USB 2.0 Full Speed 44.1/48kHz sampling rate, 16-bit bit rate, 2 in/2 out	
USB EXTERNAL DIMENSIO	DNS	Class: Specifications:	USB 2.0 Full Speed 44.1/48kHz sampling rate, 16-bit bit rate, 2 in/2 out tition supported (stereo mode only)	

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Maximize Your F8n And F4

F-Control works intuitively with the Fn8 and F4 to give you additional mastery over sound design and mixing, as well as broaden your creative possibilities. It connects to your F8n or F4 with a single USB cable, so you can keep your setup clutter-free and be ready to record in seconds.

Recording Essentials At Your Fingertips

F-Control makes recording and mixing easy with nine 60 mm faders (eight + Master) and hands-on input/output control for trim, pan, and track arming. Monitoring channel and output levels is simple with 12-segment LED meters, three user-programmable buttons, and a dedicated time code button. You can also organize recordings using the Track Scene edit buttons for metadata entry. F-Control gives you the option to connect an external USB keyboard so you can enter information for "Track Name", "Scene Increment", "Scene Name", "Notes", and "False Take."

Connect Your Field Recording Gear

Connect your F8n or F4 to F-Control via one of two USB ports. The Keyboard USB port lets you connect an external keyboard so you can quickly enter metadata when you're out in the field.

A 1/4" stereo cable connects the F8n or F4 headphone out to F-Control's headphone in, so you can monitor audio via F-Control's headphone jack.

Power Anywhere You Go

F-Control has two main power options: four AA batteries (for up to 9 hours of operation) or power it with a 4-pin HIROSE

connector with an external battery pack. An additional USB bus power option is available when using the F4 (not available with the F8n).

Built For The Toughest Productions

Its metal chassis makes F-Control suitable for all production locations. Plus, the F-Control is small and light enough to fit into your gear bag or backpack, so you can take it on any shoot.

Take Charge Of Your Creativity

F-Control takes sound recording and mixing to the next level. Its simple and hands-on design give you complete authority over your workflow, so you can fully focus on capturing great audio.











Protective Case For F8n / F4

The PCF-8 protective case is the perfect production accessory for the ZOOM MultiTrack Field Recorders. The lightweight and versatile bag offers top, side, and bottom access to the unit. With water-resistant construction and a removable clear-windowed cover, you can keep an eye on the bright F8n/F4 screen without the risk of getting it wet or covered in dust.

Drawstring sleeves on the sides allow you to access your F8n/F4's inputs and outputs while protecting them from the elements. You can keep accessories and connectors in the zippered front pouch and side pockets while storing mics and cables in the main compartment. The bottom of your F8n/F4 is accessible through a velcro flap underneath the bag, which can also be configured for additional cable routing.

OPTIONAL ACCESSORIES





AD-19 AC Adapter BCF-8 DHC-1 **WSS-6** DC12V/2A **AA Battery Case** DC-HIROSE Cable Windscreen for (Center positive) for F8 / F4 **Shotgun Microphone**







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