



FOSTEX®



PORTABLE RECORDER

DC-R302

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Record pristine audio with your DSLR

Many DSLRs can now capture HD video, many also have microphone inputs. However most do not have headphone monitoring or metering capabilities, and none have on-board mixers. Enter the new Fostex DC-R302

The DC-R302 is a professional stereo recorder with on-board 3-ch pre-amp audio microphone / line mixer designed for use with video-capable DSLRs. Recording pristine quality stereo audio direct to SD cards, the DC-R302 not only allows DSLRs to be easily used in field production applications, it also simplifies the capturing process allowing the camera operator to operate the recorder and camera at the same time.

Housed in a rugged, extruded aluminium chassis the DC-R302 combines Fostex's usual high pedigree of electrical engineering and mechanical construction with a compact footprint and high-quality components. Main features of this no-compromise unit include up to 24bit / 96kHz stereo recording to SDHC cards, 3 channel mic/line mixer with XLR inputs, 48V Phantom Power, limiters and high pass filters, slate tone, flexible on-board headphone monitoring, remote DSLR control and large LCD metering.



- ### Main Features
- Stereo recorder (to SDHC card) with analogue 3 channel audio mixer
 - Recording Stereo WAV file in 16bit - 44.1/48kHz or 24bit - 44.1/48/96kHz
 - Top mounted detachable camera-mount
 - 3 x tripod screw holes on unit base for mounting on various camera rigs
 - Remote Start function allows the DSLR camera's video recording to start/stop in sync with the REC button. (Check the Fostex website for compatible DSLR cameras)
 - Compatible with off the shelf wired remote controller (such as Panasonic DMW-RS1 or equivalent)
 - 3 XLR inputs with Limiter and High Pass Filter
 - 48V Phantom power for use with condenser microphones
 - Microphone Out in addition to Line Out to send stereo mix to the camera
 - Headphone monitoring of Left / Stereo / Right / Return
 - Auto Slate Tone (1kHz / sine wave) function convenient for subsequent synchronization
 - USB for file transfer as well as USB audio output for PC recording and live streaming
 - Powered by 4 x AA batteries (approx. 4 hours operation with NiMH batteries) external DC (9 - 24V)
 - Robust, yet light weight extruded aluminum chassis
 - Can be used as an independent portable mixer/recorder

Professional 3 channel portable audio mixer / stereo recorder for use with HD capable DSLR Cameras

Recording Times: Stereo

Quantization:	16BIT			24BIT			
	Fs:	44.1kHz	48kHz	44.1kHz	48kHz	88.2kHz	96kHz
SDHC CARD 2GB	170min	156min	113min	104min	56min	52min	
SDHC CARD 4GB	340min	312min	226min	208min	113min	104min	
SDHC CARD 8GB	680min	625min	453min	416min	226min	208min	
SDHC CARD 16GB	1360min	1250min	907min	833min	453min	416min	
SDHC CARD 32GB	2721min	2500min	1814min	1666min	907min	833min	

Designed from the ground up as an all-in-one DSLR audio solution: 3 XLR inputs, headphone monitoring, metering & stereo recording.



3 Input Mixer

The DC-R302 is equipped with three Neutrik® XLR connectors with switchable 48v Phantom Power. A Limiter / High Pass Filter is available on each channel.



Battery or DC Powered

The DC-R302 can be powered by either 4 x AA batteries (housed in sturdy battery case) or via an external DC power adapter (9 - 24V).



Recording to SD Card

The DC-R302 records stereo audio in WAV file format to SDHC cards. 16bit - 44.1/48kHz or 24bit - 44.1/48/96kHz is available.



Specifications

Inputs & Outputs

INPUT 1 - 3

Connector:	XLR-3-31 (female, #2 hot) / electrically balanced
Reference Input Level:	HI -60 / MID -55 / LOW -50dBu (Mic), -10dBu (Line)
Maximum Input Level:	HI -32 / MID -27 / LOW -22dBu (Mic), +10dBu (Line)
Input Impedance:	more than 10k ohm
Phantom power:	P48V±4V (10mA/CH) (Mic)

RTN IN

Connector:	3.5mm dia, stereo mini (unbalanced)
Reference Input Level:	-10dBV
Maximum Input Level:	+2dBV
Input Impedance:	more than 10k ohm

MAIN OUT

Connector:	RCA Pin / unbalanced
Reference Output Level:	-10dBV (at reference level input & -12dBFS signal)
Maximum Output Level:	+2dBV (at 0dBFS)
Load Impedance:	more than 10k ohm

MIC OUT

Reference Output Level:	-50dBV (at reference level input)
Maximum Output Level:	-30dBV
Load Impedance:	more than 10k ohm

REMOTE

Connector:	2.5mm dia, 4-prong mini
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PHONES

Connector:	3.5mm dia, stereo mini
Load Impedance:	more than 8 ohm
Maximum Output:	50mW (at 32 ohm loaded, THD less than 0.1%)

USB

Connector:	Mini B type
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DC-IN

Connector:	DC inlet
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Performance

Frequency Response

LINE IN - MAIN OUT:	20 - 20kHz ±1dB (at reference level)
MIC IN - MAIN OUT:	40 - 20kHz ±3dB (at reference level)

Signal to Noise Ratio (LPF 20kHz + A-WEIGHT)

LINE:	more than 95dB (INPUT GAIN -10dBV)
MIC:	more than 55dB (INPUT GAIN Max / 150 ohm loaded)

T.H.D. (LPF 20kHz)

LINE:	less than 0.01% at 1kHz (INPUT GAIN: LINE)
MIC:	less than 0.1% at 1kHz (INPUT GAIN: HI)

Physical

Power Requirement

Internal Battery:	AA x 4 (alkaline / NIMH) / Rated range DC4.8 - 6V
External Power:	AC adapter or equivalent / Rated range DC9 - 24V

Dimensions:

	152 (W) x 45 (H) x 107 (D) mm w/o camera mount
	152 (W) x 52.5 (H) x 107 (D) mm w/ camera mount

Weight:

	approx. 690g (excluding batteries)
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Optional Accessories

Fostex also offer a range of compatible accessories for your new DC-R303 Portable Recorder.

MC10M Multi Capsule Microphone Set

Cardioid electret condenser microphone (MC10) with the replaceable super cardioid capsule, shock mount adaptor, and wind screen.



MC10M

MC10S

MC10S Stereo Microphone Set

Includes a pair of cardioid electret condenser microphones, shock mount adapters, stereo mounting bracket and wind screens

MC32 Condenser Microphone

Switcheable cardioid / super cardioid directivity offering low distortion in a light weight aluminium body.



MC32

MC35

MC35 Condenser Microphone

Hyper cardioid directivity offering low distortion in a rigid copper body. Smooth & extended on-axis response provides you with natural, clear and transparent sound free from colorization.



T40RP

T40RP mkII Headphones

Enclosed type for excellent sound reproduction. Ideal for professional use in noisy environments, the first choice for DJ work and broadcast sound engineers. Frequency Response: 15Hz - 30kHz

SC-302 Carry Case

The SC-302 bespoke padded carry case features vinyl window on the top flap for easy viewing of controls and shoulder strap.

SC-302



AD15-3200 AC Adapter

AC adapter for in house use (no battery charging function)

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