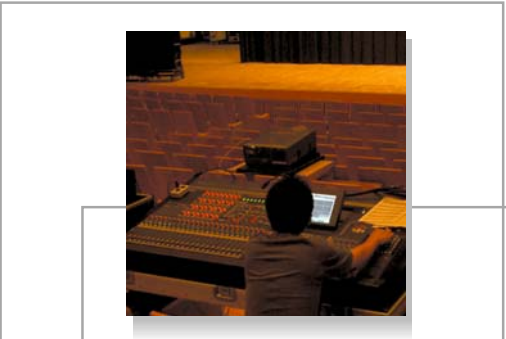


# UR-2

## STEREO RACK MEMORY RECORDER

The UR-2 is a 1 U rack size stereo audio recorder using SD card and USB storage device that is flexibly adapting to the wide variety of playback requirements.



The UR-2 is a new generation stereo memory recorder from Fostex that uses 2 SD cards (SDHC compatible) and USB storage device as the recording media. The recording/ playback file format is BWF (WAV). Its ample playback functions will adapt to the wide variety of playback requirements. It offers high quality recording of up to 24bit/96kHz (in BWF format). Employing FAT 32 disc format, it is easy to process the file transfer to a PC based DAW. The analog input and output are balanced XLR/+4dBu and un-balanced RCA/-10dBV, the digital input and output complies to AES/EBU and S/P DIF digital signal. It is flexible to be used in the available audio system.

The playback function includes Chain Play and Timer Play, it is suitable for live stage performance and sound installation. In addition to the external control via parallel remote with D-Sub 25pin and RS-232C serial remote, a USB keyboard and 10-key keyboard can trigger the instant playback start, which is very useful at a live event, theater and broadcast environments. Mic input located on the front panel offers 48V phantom power, it can be used not only for recording but also for speech to be mixed with playback source. Last but not least, its newly employed organic EL display gives an extremely clear visibility. This combined with DC power operation, it serves for outdoor use very well.



# UR-2

## STEREO RACK MEMORY RECORDER



### Main Features

- 2 sets SD card slots and a USB host connector for alternate recording/playback among the different media.
- Stereo or Mono WAV (BWF) recording to SD card (also SDHC) and USB storage device



- Fs: 44.1/48/88.2/96kHz, Quantization: 16/24bit
- High speed file transfer with PC via USB 2.0 (bi-directional)
- Employing FAT32 format, it allows to directly mount the recorded files to PC.
- It adapts to a wide variety of use environment by offering Chain Play and Memory Play.
- Timer Play and Power ON Play enable automatic playback start for such as chime and repetitive announcement, which are convenient in the installation audio industry.
- The play mode list employs CSV file format so that it is easy to edit by a text editor or spread sheet program software on PC.
- 99 Cue points with locate function. Waveform display under Scrub mode offers easy and visual Cue point setting
- Microphone input with P48V available on the front panel. Not only for recording but for speech to be mixed with playback source.



- Analog I/O with balanced XLR and un-balanced RCA pin jacks, Digital I/O with XLR connectors
- An organic EL display offers high visibility.
- Remote transport control via Foot SW, Parallel remote pot (D-sub 25pin) and RS-232C (D-sub 9pin)
- External USB keyboard can be used not only for file name editing but for transport control such as REC and PLAY.

### Recording Times

\*Approximate times in minutes

Fs	24bit				16bit	
	44.1	48	88.2	96	44.1	48
1GB	62	57	31	28	94	86
2GB	125	115	62	57	188	173
4GB	251	231	125	115	377	347
8GB	503	462	251	231	755	694

### Main Specifications

#### Recording/Playback

- Recording media: SD card (2 slots, SDHC, 128MB-32GB)  
USB port for USB storage device (USB 2.0, Hi-speed)  
44.1/48/88.2/96kHz (24bit), 44.1/48kHz (16bit)
- Sampling frequency: 44.1/48/88.2/96kHz (24bit), 44.1/48kHz (16bit)
- Record format: BWF (WAV), MP3 \*with future software update
- ADC/DAC: 24bit Delta-Sigma modulation
- Recording time: Approx. 94minutes (1GB SD card/16bit/44.1kHz/stereo)
- Recording track: Stereo or Mono
- Frequency response: 20Hz-20kHz  $\pm 2$ dB (44.1/48kHz)  
20Hz-40kHz  $\pm 3$ dB (88.2/96kHz)
- S/N (between ADC and DAC, 24bit, 48kHz):  
Line 103dB or more (typical)  
Mic (with Max gain) 85dB or more (typical)
- Dynamic range: 103dB or more (typical)
- T.H.D: Line 0.006% or less (1kHz, -1dBFS)  
Mic (with Max gain) 0.01% or less (1kHz, -1dBFS)
- Reference level: -12dBFS/-20dBFS (switchable)

#### Input and Output

0dBu = 0.775Vrms, 0dBV = 1.0Vrms

##### Analog input (INPUT L, R)

- Connectors: XLR 3-31, balanced (pin #2 hot)  
RCA pin jack, un-balanced
- Nominal input level: +4dBu (XLR/ balanced)  
-10dBV (RCA/ un-balanced)
- Maximum input level: +24dBu (-20dBFS, XLR/ balanced)  
+10dBV (-20dBFS, RCA/ un-balanced)  
more than 10k $\Omega$

##### Input impedance:

##### Microphone input (MIC IN)

- Connector: XLR3-31, balanced (pin #2 hot)
- Nominal input level: -56 ~ -12dBu
- Maximum input level: +7dBu (with Max gain)
- Input impedance: more than 1.5k $\Omega$
- Phantom Power: P48V

##### Analog output (OUTPUT L, R)

- Connectors: XLR 3-32, balanced (pin #2 hot)  
RCA pin jack, un-balanced
- Nominal output level: +4dBu (XLR/ balanced)  
-10dBV (RCA/ un-balanced)
- Maximum output level: +24dBu (-20dBFS, XLR/ balanced)  
+10dBV (-20dBFS, RCA/ un-balanced)  
more than 10k $\Omega$

##### Digital input

- Connector: XLR 3-31 (pin #2 hot)
- Format: IEC60958 (AES/EBU) or IEC60958 (S/P DIF) \*Auto select

##### Digital output

- Connector: XLR 3-32 (pin #2 hot)
- Format: IEC60958 (AES/EBU) or IEC60958 (S/P DIF)

##### Headphones output

- Connector:  $\phi$ 6.3mm stereo phone jack
- Maximum output: 100mW (with 32 $\Omega$  load)

##### Remote

- Connector: D-sub 9pin (RS-232C), D-sub 25pin (Parallel)

##### Foot SW

- Connector:  $\phi$ 6.3mm phone jack

##### USB port

- Connectors: A type (Host, Keyboard)  
B type (for PC, USB 2.0 Hi-speed)

##### SD card Slots:

- Standard SD card slot x 2

##### General

- Dimensions: 482 (W) x 52 (H) x 197 (D) mm
- Weight: Approx. 2.3kg (except AC adaptor)
- Power requirement: DC12-24V, Standard AC adaptor included
- Connector: XLR 4-32
- Power consumption: Approx. 5W

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