TASCAM

Product Information

MiniDisc Recorder/Reproducer MD-801R/P MKII

The MD-801R MKII is the ultimate MD Recorder, designed to meet the most demanding needs of professional studios, theatre and broadcast, yet still offer the flexibility to integrate with simple installations. The MD-801R MKII offers thorough editing capability. This can be accomplished through the buttons on the front panel, or with a standard PC keyboard connected to the PS/2 port on the back. A complete set of audio I/O on the back provide all the formats a professional needs for recording and playback. The analogue output offers the additional ability to split the balanced XLR and unbalanced RCA outputs into "cue" and "main" outputs, so you can check your cues easily before sending them to your mix. On the digital side, Word Clock In and Thru allow you to synchronize to other

sources on playback. This is key for integration into larger digital set-ups with a central clock source.

A multitude of control ports allow the MD-801R MKII to be controlled by a variety of standards. The PS/2 keyboard port provides transport control and editing functions from a standard PC keyboard. The RS-232 port allows serial control from any number of automation/control systems. The parallel port allows for simple remotes and tallies, including Fader Start for integration with broadcast consoles.

Main Features

- Industry-standard 44.1kHz sampling frequency
- Fastest access - 200 ms full stroke search time is 5 times faster than any other MD player; track start in only 100ms
- Fast editing - on disc reversible cut, insert, move and erase works just like traditional "razor-blade" editing
- Compression system - ATRAC Version 4.5 (Adaptive Transformer Acoustic Coding)
- Autolocate feature finds specific points on disc quickly and accurately
- Increment play - automatically cues the playback position to start of next track

- On-Line play
- On board Fs converter (MD-801R MKII)
- Jog dial and shuttle wheel for manual frame by frame searching and positioning
- Wide pitch control ±9.9%
- Programmable end-of-message function gives up to 99 sec. warning of track ending
- Mono mode doubles total play time
- Remote (Parallel) terminal for external control
- RS-232C serial data port for interface to external computers or others

- Keyboard terminal for external control: IBM PS/2 compatible
- Optional BU-801: 16Mb buffer reads and stores the first frames of up to 20 tracks in order to provide instant start replay
- Optional RC-801N: Full function remote control unit for on-air radio broadcast production
- Optional RC-8: Remote control for basic transport functions
- MD-801P MKII for playback/editing only
- 4U rack-mountable chassis

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Specifications

Format	MiniDisc
Tracks	2 tracks (Stereo/Mono)
Recording system (MD-801R MkII only)	Magnetic field modulation overwriting
Recording/playback time (MD-801R MkII only)	74 minutes stereo; 148 minutes mono (using 74 minutes MD)
Compression system	ATRAC Version 4.5 (Adaptive Transform Acoustic Coding)
Sampling frequency	44.1 kHz
Modulation system	EFM (Eight-to-Fourteen Modulation)
Error correction system	ACIRC (Advanced Cross Interleave Reed-Solomon Code)
Frequency response	20 Hz - 20 kHz (±0.5 dB)
Signal-to-noise ratio (playback)	>101 dB
Signal-to-noise ratio (recording, MD-801R MkII only)	>94 dB
Total harmonic distortion	<0.006%
Wow and flutter	unmeasurable
Pitch control	±9.9% (in 0.1% steps)
Playback delay	<0.1 s

Analogue inputs and outputs

Inputs, balanced/unbalanced (MD-801R MkII only)	2x XLR, 2x RCA
Nominal level	+4 dBu / -10 dBV
Nominal impedance	22 kOhm / 8 kOhm
Outputs, balanced/unbalanced	2x XLR, 2x RCA
Nominal level	+4 dBu / -10 dBV
Nominal impedance	11 Ohm/ 220 Ohm
Headphones output	6.3 mm stereo jack

Digital inputs and outputs

Inputs AES/EBU (MD-801R MkII only)	XLR, IEC60958 Type I/II (Fs: 32 kHz - 48 kHz)
Inputs SPDIF (MD-801R MkII only)	RCA, ICE60958 Type II (Fs: 32 kHz - 48 kHz)
Outputs AES/EBU	XLR, IEC60958 Type I
Outputs SPDIF	RCA, ICE60958 Type II
Word sync in	BNC (Fs: 44.1 kHz, ±6%), 75 Ohm
Word sync thru	BNC (auto-terminated)

Other terminals

Remote control	D-sub, 25-pin, connects to optional RC-801
Remote (Parallel)	D-sub, 37-pin, TTL level
Remote (Serial)	D-sub, 9-pin, RS-232C
Keyboard	Mini-DIN, 6-pin, PS/2 or compatible

Power supply and other specifications

Power supply	230 V AC, 50 Hz
Power consumption	33 W (MD-801R MkII), 29 W (MD-801P MkII)
Weight	8 kg
Dimensions (W x H x D)	483 mm x 132 mm x 353 mm

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a whole world of recording