SDHC USB BATTERY POWERED

Affordable Pocket Recorder with Advanced Features

The compact R-05 is easy to use, affordable, and packed with big-ticket features that raise the bar in its price class. Experience crystal-clear 24/96 capture, enhanced recording and editing features, and extended battery life (over 16 hours per charge). On stage, in rehearsal, at school, on the street, in the boardroom — whenever inspiration strikes, let the R-05 capture the moment with convenience and quality.

▶ High-quality stereo recording (24-bit / 96kHz) with the built-in stereo mic or external input
▶ Records directly to SD card with extended battery life (over 30 hours continuous playback, over 16 hours continuous recording)
▶ Strong, attractive metallic exterior
▶ Onboard editing functions; built-in reverb
▶ Music-practice features (change tempo without changing pitch, loop playback, etc.)
▶ Auto record start, auto song split, auto level adjust
▶ Pre Record function (captures 2 seconds of audio that precedes pressing REC)
▶ Use as a high-quality portable audio player (plays WAV and MP3 files)
▶ Windscreen and tripod mount included

R-05 Specifications

[Recorder Part] ■ **Tracks** 2 (stereo) ■ **Signal Processing** AD/DA conversion: 24-bit, 44.1/48/88.2/96 kHz ■ **Data Type [For Recording]** *Stereo only, <WAVE> Sampling Rate: 44.1/48/88.2/96 kHz, Bit Depth: 16/24-bit <MP3 (MPEG-1 Audio Layer 3)> Sampling Rate: 44.1/48 kHz, Bit Rates: 64/96/128/160/192/224/320 kbps <WAVE + MP3> Sampling Rate: 44.1/48 kHz, Bit Depth: 16-bit, Bit Rates: 128 kbps **[For Playback]** <WAVE> Sampling Rate: 32/44.1/48/88.2/96 kHz, Bit Depth: 16/24-bit <MP3 (MPEG-1 Audio Layer 3)> Sampling Rate: 32/44.1/48 kHz, Bit Rates: 32 to 320 kbps or VBR (Variable Bit Rate) ■ **Memory Card** SD Card, SDHC format compatible **[Input/Output]** ■ **Audio Inputs** Internal Stereo Microphone, Mic input (Stereo miniature phone type, plug-in powered mic), Line input (Stereo miniature phone type), *The Internal/External Mic and the Line input can't be used at the same time; only the Line input is effective. ■ **Audio Output** Phones (Stereo miniature phone type) ■ **Nominal Input Level (Variable)** Mic input: -33 dBu (MIC GAIN is H, Default input level), Mic input: -15 dBu (MIC GAIN is L, Default input level), Line input: -7 dBu (Default input level) ■ **Input Impedance** Mic input (MIC GAIN is H): 7 kΩ, Mic input (MIC GAIN is L): 5 kΩ, Line input: 8 kΩ ■ **Output Level** 20 mW + 20 mW (In case 16 Ω load) ■ **Recommended Load Impedance** 16 Ω or greater ■ **Frequency Response** 20 Hz to 40 kHz ■ **USB Interface** Mini-B type connector (support USB 2.0/1.1 mass storage device class) **[Effects]** (Playback only. Excludes playback in 88.2 kHz or 96 kHz.) ■ **Reverb** 4 types (Hall1, Hall2, Room, Plate) ■ **Speed change** 50 to 150 % of playback speed **[Others]** ■ **Display** 128 x 64 dot graphic display ■ **Power Supply** AC Adaptor, Alkaline dry battery LR6 (AA) type x 2 or Nickel Hydrogen battery (HR15/51) x 2 ■ **Current Draw** 290 mA (MAX) ■ **Duration of continuous use with Alkaline battery operation:** (These figures will vary depending on the actual conditions of use.) Playback: over 30 hours, Recording: over 16 hours ■ **Dimensions** 59.6 (W) x 103.0 (D) x 25.0 (H) mm/2-3/8 (W) x 4-1/16 (D) x 1 (H) inches ■ **Weight** 140 g/5 oz (including batteries) ■ **Accessories** Owner's manual, Quick start guide, SD card, Batteries (two AA), USB cable (mini-B type), Windscreen

■ **Recording Time (unit: minutes)**

Data Format	Memory Size				
	2 GB	4 GB	8 GB	16 GB	32 GB
WAVE (24bit/96kHz)	55	110	220	450	900
WAVE (24bit/88.2kHz)	60	120	240	490	980
WAVE (24bit/48kHz)	110	220	440	900	1,800
WAVE (24bit/44.1kHz)	120	240	480	980	1,950
WAVE (16bit/96kHz)	80	160	320	670	1,350
WAVE (16bit/88.2kHz)	88	176	352	735	1,470
WAVE (16bit/48kHz)	166	332	664	1,350	2,700
WAVE (16bit/44.1kHz)	180	360	720	1,470	2,950
MP3 320kbps	797	1,540	3,080	6,450	12,950
MP3 128kbps	1,993	3,990	7,980	16,180	32,350
WAVE+MP3 16bit+128kbps/48kHz	152	305	610	1,240	2,490
WAVE+MP3 16bit+128kbps/44.1kHz	165	330	660	1,345	2,690

* Each recording time is approximate. The times may change depending on the card specifications.
* In case that there are plural files, the sum of recording time would be shorter than above.

* 0 dBu = 0.775 Vrms
* The specifications are subject to change without notice.