

TASCAM®

CD-RW900 • CD-RW901 Professional CD Recorders



Professional



CD-RW901 and CD-RW900 are rugged CD Recorders for high-quality audio recording on CD-R and CD-RW media in professional and semi-professional areas. Differences can be found among their features, while audio performance is virtually identical for both units.

Over the CD-RW900, the CD-RW901 offers balanced analogue inputs and outputs and can receive and output digital audio not only in SPDIF format but also in professional AES/EBU format. Furthermore, it offers parallel and serial (RS-232C) ports for easy integration into media control systems. With its Auto Cue, Auto Ready and Call functions as well as additional editing capabilities for track and index marks, the CD-RW901 is ideal for live applications in broadcast studios, theatres or permanent installations, while the CD-RW900 is a good choice for home and live concert recording or for any other semi-professional use.

- ▶ 24-bit converters
- ▶ Input sample rate converter (32 kHz to 48 kHz)
- ▶ Independent L/R analogue input level control
- ▶ Digital volume
- ▶ Sync recording function
- ▶ Auto or manual track division
- ▶ Digital fade in/out from 1 to 30 sec in 1-sec steps
- ▶ Rec mute function to record silence
- ▶ Erase/un-finalize CD-RWs
- ▶ Supports CD-Text
- ▶ Computer keyboard can be used for CD-Text input and as a remote control
- ▶ Timer function (play when power comes on)
- ▶ Continuous, single, random, or program (up to 99 songs) play
- ▶ All, single, or A-B repeat playback
- ▶ Plays MP3 files on CDs (128 Kb/s only)
- ▶ Plays MP3 files inside directories
- ▶ Shows MP3 tags on Display (ID3)
- ▶ Pitch control ($\pm 16\%$ in 0.1 to 1.0% steps)
- ▶ Key control (± 6 semi-tones)
- ▶ Key original function (change tempo without changing key)
- ▶ Digital I/O (SPDIF coaxial and optical)
- ▶ RCA unbalanced analogue I/O
- ▶ Wireless remote control included (CD-RW901: Wired remote control)
- ▶ 2-U rack mount construction

CD-RW901 additional features

- ▶ Balanced XLR analogue I/O
- ▶ AES/EBU digital I/O
- ▶ RS-232C port
- ▶ Parallel port
- ▶ Auto Cue, Auto Ready, Call functions
- ▶ Manually adjust track marks
- ▶ Add track marks every 1 to 10 minutes
- ▶ Set/search index marks
- ▶ Selectable copy ID

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Professional CD Recorders

Specifications	CD-RW901	CD-RW900
Recordable media	CD-R, CD-RW, CD-R-DA, CD-RW-DA CD-RW: Multi speed (1-4x) and High speed (4-10x)	CD-R, CD-RW, CD-R-DA, CD-RW-DA
Quantisation	16-bit linear	16-bit linear
Sampling frequency	44.1 kHz	44.1 kHz
Frequency converter input	32-48 kHz	32-48 kHz
Frequency response	20 Hz to 20 kHz, ±0.8 dB (Playback) 20 Hz to 20 kHz, ±1.0 dB (Recording)	20 Hz to 20 kHz, ±0.8 dB (Playback) 20 Hz to 20 kHz, ±1.0 dB (Recording)
Signal-to-noise ratio	95 dB (Playback), 90 dB (Recording)	95 dB (Playback), 90 dB (Recording)
Dynamic range	95 dB (Playback), 90 dB (Recording)	95 dB (Playback), 90 dB (Recording)
Total harmonic distortion	<0.006 % (Playback), <0.008 % (Recording)	<0.006 % (Playback), <0.008 % (Recording)
Channel separation	>90 dB (Playback, at 1 kHz), >80 dB (Recording, at 1 kHz)	>90 dB (Playback, at 1 kHz), >80 dB (Recording, at 1 kHz)

Analogue inputs and outputs	CD-RW901	CD-RW900
Analogue input, unbalanced	RCA	RCA
Input level nominal/maximum, impedance	-10 dBV (-16 dBFS) / +6 dBV, 22 kOhm	-10 dBV (-16 dBFS) / +6 dBV, 22 kOhm
Analogue output, unbalanced	RCA	RCA
Output level nominal/maximum, impedance	-10 dBV (-16 dBFS) / +6 dBV, 600 Ohm	-10 dBV (-16 dBFS) / +6 dBV, 600 Ohm
Analogue input, balanced	XLR	-
Input level nominal/maximum, impedance	+4 dBu (-16 dBFS) / +20 dBu, 14 kOhm	-
Analogue output, balanced	XLR	-
Output level nominal/maximum, impedance	+4 dBu (-16 dBFS) / +20 dBu, 75 Ohm	-
Headphones output	6.3-mm stereo jack	6.3-mm stereo jack
Nominal output power	2 x 20 mW (into 32 Ohm)	2 x 20 mW (into 32 Ohm)

Digital inputs and outputs	CD-RW901	CD-RW900
Coaxial	Cinch, IEC60958 Type II (SPDIF)	Cinch, IEC60958 Type II (SPDIF)
Optical	TOS, IEC60958 Type II (SPDIF)	TOS, IEC60958 Type II (SPDIF)
AES/EBU	XLR, IEC60958 (AES/EBU)	-

Other specifications	CD-RW901	CD-RW900
Voltage requirements	Europe: 230 V / 50 Hz	Europe: 230 V / 50 Hz
Power consumption	19 W	18 W
Dimensions (W x H x D)	483 mm x 93 mm x 309 mm	483 mm x 93 mm x 308 mm
Weight	5.4 kg	4.9 kg
Supplied accessories	Wired remote control	Infra-red remote control



CD-RW901
Rear panel



CD-RW900
Rear panel

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