

CD-RW901MKII

Professional Audio CD Recorder



The CD-RW901MKII is a professional CD recorder for more demanding installations. A TEAC tray-loading drive ensures years of reliable operation. This CD drive allows gapless recording when setting track marks, something not possible using off-the-shelf optical computer drives. Various recording features like automatic track creation help the operator create polished recordings without constant supervision. A high-performance codec chip is used for A/D and D/A conversion for clean, clear sound quality with a frequency response of 20 Hz to 20 kHz ± 0.8 dB.

The CD-RW901MKII has balanced analogue input/output jacks, optical and coaxial digital audio connectors and external control terminals. Both the left and right analogue inputs have their own gain controls on the front panel. In addition, the digital input can be controlled for optimal recording levels from a digital source. Functions including auto-cue, auto-ready, pitch control, power-on playback, and fade-in/fade-out playback are provided. It is also possible to control the transport via an optional computer keyboard. Additionally, long-run continuous recording (and overlap recording) is possible by connecting multiple units with an accessory cable. An ISRC/RID code can be displayed in order to be able to allocate the recording in a mastering studio without any doubt.

Whether used for PA or sound reinforcement playback, studio, mastering, or broadcast, the CD-RW901MKII is the right choice for reliable CD recording and playback.

Features at a glance

- Highly reliable tray-loading optical drive
 - Records to pro CD-R, CD-RW and consumer CD-R and CD-RW media (Ultra-Speed CD-RW media are not supported)
 - Selectable read speed to increase playability of low-grade or damaged media
 - 24-bit A/D and D/A converters
 - XLR balanced analogue I/O
 - RCA unbalanced analogue I/O
 - Coaxial and optical digital I/O (SPDIF)
 - AES/EBU digital I/O
 - Input sample rate converter (32–48 kHz, defeatable)
 - Independant L/R analogue input level controls
 - Digital volume
 - Sync recording function
 - Auto track division by level with trim function
 - Time track division: Adds a CD track ID every 1 to 10 minutes
 - Set index marks
 - Selectable skip mode: jump by track, by index, or in 1-minute steps
 - Digital fade in/out from 1 to 30 sec in 1-sec steps
 - Rec mute function to record silence
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- Continuous, single, random, or program (up to 99 songs) playback
 - All, single, or A-B repeat play
 - Auto Cue function
 - Auto Ready function
 - Call function
 - Incremental Play function
 - Plays MP3 files on CDs
 - 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)
 - Selectable copy ID
 - Erase/un-finalize CD-RWs
 - Supports CD-Text
 - Computer keyboard can be used for CD-Text input and as a remote control
 - RS-232C serial control (9-pin D-sub)
 - Parallel control (15-pin D-sub)
 - Power-on play: Starts CD playback when power is applied
 - Continuous recording with two CD-RW901MKII units
 - Wired remote control included
 - 2-U rack-mount construction

Related products



SS-CDR250N: Networkable Solid-State/CD Audio Recorder



SS-R250N: Networkable Solid-State Audio Recorder

Specifications

General

Recordable media	CD-R, CD-RW, CD-R-DA, CD-RW-DA (High speed CD-RW is supported)
Playback disc formats	CD-DA, CD-ROM (ISO 9660 Level 1/2 Joliet format, multisession discs and CD text)
Playback file formats	CD-DA: 44.1 kHz, 16-bit stereo MP3: 44.1 kHz, 64–320 kbps, VBR
Recording file formats	CD-DA: 44.1 kHz, 16-bit stereo
Quantisation	16-bit linear
Sampling frequency	44.1 kHz
Frequency response	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)
Dynamic range	95 dB (Playback) 90 dB (recording)
Distortion	<0.006 % (Playback) <0.008 % (recording)
Channel separation	>90 dB (Playback, at 1 kHz) >80 dB (recording, at 1 kHz)
Wow and flutter	<0.001 % (unmeasurable)

Analogue inputs and outputs

Analogue input (balanced)	XLR
Nominal input level	+4 dBu (–16 dBFS)
Minimum input level	–5 dBu (adjustable level at –16 dBFS)
Nominal impedance	14k Ω
Analogue input (unbalanced)	RCA
Nominal input level	–10 dBV (–16 dBFS)
Minimum input level	–19 dBV (adjustable level at –16 dBFS)
Nominal impedance	22k Ω
Analogue output (balanced)	XLR
Nominal output level	+4 dBu (–16 dBFS)
Maximum output level	+20 dBu ±2 dB
Nominal impedance	75 Ω
Analogue output (unbalanced)	RCA
Nominal output level	–10 dBV (–16 dBFS)
Maximum output level	+6 dBV ±2 dB
Nominal impedance	600 Ω
Headphones output	6.3-mm stereo jack
Output power	20 mW (into 32 Ω)

Digital inputs and outputs

Digital inputs	
Sampling frequency converter	32 to 48 kHz
Coaxial	RCA, IEC60958 (SPDIF)
Optical	TOS, IEC60958 (SPDIF)
AES/EBU	XLR, IEC60958 (AES/EBU)
Digital outputs	
Coaxial	RCA, IEC60958 (SPDIF)
Optical	TOS, IEC60958 (SPDIF)
AES/EBU	XLR, IEC60958 (AES/EBU)

Other connectors	
Parallel port	D-Sub, 15-pin
Serial port	D-Sub, 9-Pin (RS-232C)
Remote connector	2.5-mm Mini jack (for RC-RW901 only)
Keyboard connector	Mini DIN, 6-pin (PS/2)

Power supply and other specifications	
Voltage requirements	USA/Canada: 120 V AC, 60 Hz Europe: 230 V AC, 50 Hz Australia: 240 V AC, 50 Hz
Power consumption	Europe, Australia: 19 W USA/Canada: 17 W
Dimensions (W x H x D)	483 mm x 94 mm x 309 mm
Weight	4.5 kg
Supplied accessories	RC-RW901SL wired remote control

Design and specifications subject to change without notice.

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