

SONY®

CDR-W33

CD RECORDER



The Sony CDR-W33 is a compact disc recorder developed with the achievement of outstanding sound quality as a central design objective. Through the use of Super Bit Mapping recording technology and 24-bit A to D and D to A conversion, the CDR-W33 meets this target and is able to achieve high sound quality approaching that of 20-bit recording quality.

Main Features

Super Bit Mapping (SBM) Technology

SBM has been a feature of Sony DAT recorders for many years, and is also adopted in the CDR-W33 to provide high sound quality equivalent to a 20-bit digital recording from an analog input source.

24-bit A/D and D/A conversion

The A/D and D/A converters of the CDR-W33 operate at a resolution of 24 bits, maximizing the advantages of the SBM process.

Digital Limiter and Equalizer

A digital limiter and equalizer are available for use when the input signal is from an analog source.

-Digital Limiter

The algorithm of the digital limiter increases the average signal level and smoothly limits signal peaks. The limiting ratio is adjustable up to 100%, at which setting the gain is increased by 6 dB.

-Digital Equalizer

A 3-band (Bass/Mid/Treble) parametric equalizer provides up to ± 6 dB of correction (in 1 dB steps)

Alternative digital inputs

Both coaxial and optical inputs are provided .

CD Text entry

A CD Text function allows disc and track titles to be entered using an optional PC keyboard, supplied remote control unit or buttons and rotary encoder of the front panel. This text can be read on any CD Text capable player.

PC keyboard control function

An optional PS/2 keyboard can be connected to enter CD Text and provide remote control of Play, Pause, Stop, FF, Rew and AMS+/AMS- functions, and so on.

Rec level adjustment

Record level adjustment is available on both digital and analog inputs.

Analog input level can be adjusted using a knob located on the front panel.

Alternatively, the analog level and L/R balance can be set through the use of the set-up menu accessed via the remote control too. Digital input levels are also able to be attenuated via the set-up menu.

Other features

2x finalizing

Fade In/Out Recording Record Mute, Music Sync Record and Auto Track Marking functions

Shuffle Play, Program Play, Repeat Play, Auto Pause and Music Scan functions

32/44.1/48 kHz input signals accepted via built-in sample rate converter

44.1 kHz signals accepted without rate conversion

Supplied Wired/IR Remote Control Unit

Recommended Applicable media, CD-R for Digital Audio and CD-RW for Digital Audio

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Front Panel



Supplied Remote Control Unit RM-CW1

The RM-CW1 dual mode Remote Control Unit connects to the 3.5 mm Control-S jack with a supplied 5 m cable, but also operates as a conventional IR remote when not connected to the Control-S jack.



Rear Panel



Specifications

Inputs

	Connector type	Reference level	Maximum level	Impedance
ANALOG LINE IN	Phono	-4 dBu	+12 dBu	47 k Ω
DIGITAL COAXIAL IN	Phono	0.5 Vp-p \pm 20%		75 Ω
DIGITAL OPTICAL IN	Square optical connector			Optical wave length:660 nm

Outputs

	Connector type	Reference level	Maximum level	Load impedance
ANALOG LINE OUT	Phono	-10 dBu	+8 dBu	More than 10 k Ω
DIGITAL COAXIAL OUT	Phono	0.5 Vp-p		75 Ω
DIGITAL OPTICAL OUT	Square optical connector	-18 dBm (optical power)		Optical wave length:660 nm
PHONES	Stereo jack	0-10 mW adjustable		32 Ω

General

System	: CD Recorder
Number of Channel	: 2 Channels
Sampling frequency	: 44.1 kHz
Sampling Rate Converter	: 32k/ 44.1k/ 48kHz
Recording formalities	: Track At Once(TAO)
Power requirement	: 120 V AC, 60 Hz
Power consumption	: 15 W
Operating temperature	: + 5 - + 35 $^{\circ}$ C
Storage temperature	: - 5 - + 60 $^{\circ}$ C
Weight	: 10lb. 3oz.
Dimensions	: 19 inches (W) x 3 inches (H) x 10 inches (D)
Supplied accessory	: Wired/IR Remote Control Unit RM-CW1

Audio performance

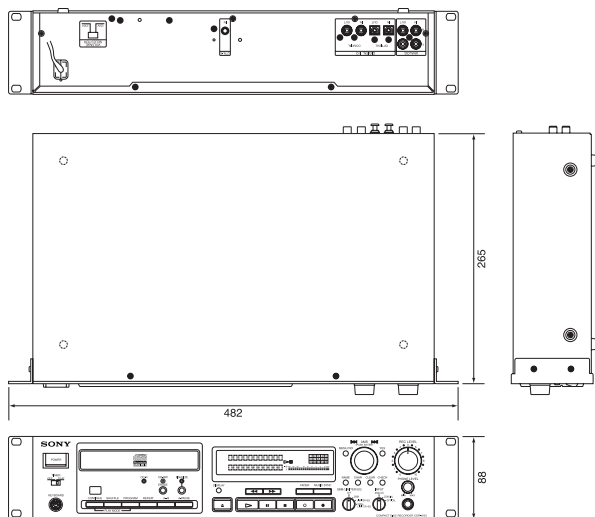
Frequency response	: 20Hz - 20kHz +0.3/-0.7 dB
Dynamic range	: 98 dB(Playback), 92 dB(Recording and Playback)
S/N ratio	: 98 dB(Playback), 92 dB(Recording and Playback)(A-weighted)
Wow and flutter	: below measurable limits

Remote

Control-S	: Input(1) 3.5 mm mini jack
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Dimensions(Unit:mm)



Mounting the unit

This unit can be attached to a standard 19 inch rack (type EIA). After detaching the four feet on the bottom of the unit, mount the unit on the rack.

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