

TASCAM®

CD-601 MKII Broadcast CD Player



The CD-601 MKII rack-mount unit (half rack width) may be used independently. Its full potential, however, can only be realized in conjunction with the included remote control.

compact
disc
DIGITAL AUDIO



The CD-601 MKII is a fully-redesigned version of the radio-standard CD player CD-601. With a rack-mountable chassis, comprehensive desktop remote control and flexible monitoring and playback options, the CD-601 MKII goes far beyond the capabilities of traditional CD players.

Its rugged disc drive, clear, logically arranged buttons and many features built for professional continuous operation make the CD-601 MKII a unique, reliable tool for broadcast, recording and audio dubbing.

- ▶ 3U half rack size
- ▶ Plays CD-DA, CD-RW or CD-R media
- ▶ Two playback modes:
 1. ON-LINE play:
Balanced analogue and AES/EBU outputs are enabled
 2. MONITOR play:
Unbalanced analogue and SPDIF outputs are enabled
- ▶ Fail Safe function to avoid unintentional operation during ON-LINE playback
- ▶ Instant start
- ▶ Frame accurate search with Jog dial
- ▶ Index search
- ▶ Single play, Continuous play
- ▶ Program play (up to 30 tracks)
- ▶ Incremental play
- ▶ Elapsed, remain, and total remain time display
- ▶ Supports CD text display
- ▶ Auto cue with five threshold levels
- ▶ Auto ready
- ▶ Word Sync In/Thru (44.1 kHz and 48 kHz)
- ▶ Sampling rate converter for 48 kHz systems
- ▶ $\pm 12.5\%$ pitch control in 0.1% steps
- ▶ Power-on play
- ▶ Selectable output level (FS = +24 dBu, +22 dBu, +20 dBu, or +15 dBu)
- ▶ Selectable EOM (End of Message) time (OFF, 10, 15, 20, 30, 60, 90 sec)
- ▶ Menu system for customisation
- ▶ Analogue outputs: XLR balanced with attenuator (0 to -6dB), RCA unbalanced
- ▶ Digital outputs: AES/EBU (XLR), SPDIF (coaxial)
- ▶ Parallel port for external control
- ▶ Serial port (RS-232C) for RC-601 MKII remote controller
- ▶ Headphone output with level control on the front panel

RC-601 MKII Remote Control

- ▶ ON-LINE play and MONITOR play
- ▶ Time search with numeric keys
- ▶ End Check for monitoring the track's end
- ▶ Repeat function: Single, all, program, A-B
- ▶ Ten cue point memories per disc
- ▶ Cue points can be memorized internally
- ▶ Flash start from cue points (up to 10)
- ▶ Headphone monitor output

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Broadcast CD Player



Rating

Model	CD player
Discs used	Compact discs (12 cm, 8 cm)
Compatible discs	Audio CD (CD-DA), CD-R, CD-RW,
Number of audio channels	2 channels
Number of quantized bits	16-bit linear/channel
Sampling frequency	44.1 kHz
Transmission rate	4.3218 MB/sec
Modulation method	EFM
Pickup drive system	Objective lens drive system, optical type 3 beams
Objective lens drive system	2D parallel drive system
Light source	Semiconductor laser
Wavelength	780 nm

Analogue audio characteristics

Valid for the balanced and unbalanced analogue outputs.

Playback frequency response	20 Hz to 20 kHz, ± 0.5 dB
Signal-to-noise ratio (20-kHz LPF)	> 102 dB(A)
Dynamic range (20-kHz LPF, 1 kHz max. output level -60 dB)	> 98 dB(A)
Distortion (THD+N, 1 kHz, max. output level, 20-kHz LPF)	< 0.008 %
Channel Separation (1 kHz)	> 90 dB
Wow and flutter	Below measureable limits

Analogue audio outputs

BALANCED (L, R)	XLR 3-31 or equivalent
Specified output level	+4 dBu
Max. output level	+24 dBu, +22 dBu, +20 dBu, +15 dBu (according to output level setting)
Output level calibration variable range	0 dB to -6 dB or more
Output impedance	150 Ohm
UNBALANCED (L, R)	RCA
Specified output level	-10 dBV
Max. output level	+6 dBV
Output impedance	100 Ohm
PHONES	Stereo phone jack
Max. output level	50 mW + 50 mW (at 32 Ohm load)

Digital audio outputs

AES/EBU	XLR 3-31 or equivalent
Output signal format	IEC60958-4 (AES/EBU)
Output impedance	110 Ohm
Sampling frequency	44.1 kHz, 48 kHz (at word synchronization)
SPDIF	RCA pin jack
Output signal format	IEC60958-3
Output impedance	75 Ohm
Sampling frequency	44.1 kHz, 48 kHz (at word synchronization)

Other inputs and outputs

WORD SYNC IN	BNC
Input impedance	75 Ohm (automatic termination)
Input level	TTL level
Synchronizing frequency range	44.1 kHz $\pm 0.1\%$ and 48 kHz $\pm 0.1\%$
WORD SYNC THRU	BNC
REMOTE (PARALLEL)	37-pin D-Sub female
REMOTE (SERIAL)	15-pin D-Sub female
Electrical characteristics	RS-232C-compliant

Power supply and other specifications

Power requirements	USA/CND: 120 V AC, 60 Hz EUR/UK: 230 V AC, 50 Hz AUS: 240 V AC, 50 Hz The remote control is powered by the main unit
Power consumption	24 W
External dimensions (W x H x D, including feet and protrusions)	
Main unit	220 mm x 142 mm x 383 mm
Remote control	69 mm x 216 mm x 201 mm
Weight	
Main unit	6.0 kg
Remote control	1.3 kg (without cable)
Operating temperature	5 to 35°C
Max. tilt of installation surface	5 degrees
Accessories	Power cable, Remote control connection cable (5 m), Owner's Manuals for main unit and remote control, Warranty card

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