



CD-500



Un-Compromised Sound Quality with MP3 Performance

CD-500, the first in Nakamichi's In-Car Entertainment product line with MP3 capability, is an audiophile's delight. Playing any format from CD to CD-R and CD-RW or even the digital format of MP3 makes any music selection for driving pleasure simply pleasurable. CD500 offers both the convenience of an MP3 and 24-bit premium sound quality.

With premium sound quality that is typical of Nakamichi's attention to detail and engineering prowess, the CD-500 is packed with features such as RDS, Rotary Encoder, Synchronized back lighting with dimming control.

Designed like any Nakamichi head unit, the CD-500 is easy to install, equips with standard security release button feature and its aesthetics would enhance any car interior.

Key Features include

- 9 Colour Illumination Option
- 24 Bit D/A Converter
- 0.005% (1kHz) Total Harmonic Distortion
- MP3/WMA Compatible
- CD/CD-R/CD-RW Compatible
- CD Changer Controller
- Detachable Panel
- Rotary Volume Encoder

SPECIFICATIONS

Power Amplifier Section

Maximum Power Output

47 W x 4 (4 ohms)

Frequency Response (Pre Out)	15 - 30,000 Hz \pm 1 dB
Total Harmonic Distortion	0.1% (4 ohms, 1 kHz, 3W x 4)
AUX Input Level / Impedance	1 V / 50 kohms
Output Level (Pre Out)	4 V
Tone Controls	
Bass	100 Hz \pm 11 dB
Midrange	1 kHz \pm 11 dB
Treble	10 kHz \pm 11 dB
Loudness	20 Hz \pm 14 dB (Volume level 20)

Tuner Section

18 FM/12AM Presets
 Seek & Preset Scan
 AMS - Auto Memory Store
 One Touch Memory

FM Tuner Section

Frequency Range

U.S.A.	87.5 - 107.9 MHz in 200 kHz steps
Other Area	87.5 - 108.0 MHz in 50 kHz steps
Sensitivity	15 dBf
Signal-to-Noise Ratio	60 dB (Mono)
Stereo Separation	35 dB (1 kHz)
Antenna Input	75 ohms (Unbalanced)

AM Tuner Section

Frequency Range

U.S.A.	530 - 1,710 kHz in 10 kHz steps
Other Area	531 - 1,602 kHz in 9 kHz steps
Sensitivity	32 dB μ
Signal-to-Noise Ratio	45 dB

CD Player Section

CD-DA

System	Compact Disc Digital Audio
Error Correction	CIRC Principle
Sampling Frequency	44.1 kHz
D/A Converter Type	24-bit D/A Converter
Frequency Response	20 - 20,000 Hz
Signal-to-Noise Ratio	Better than 100 dB
Dynamic Range	Better than 90 dB
Total Harmonic Distortion	0.005% (1 kHz)

MP3/WMA Section

Numbers of Folders	Up to 256
Number of Files	Up to 999
Number of Files Per Folder	Up to 256
Number of Folder Layers	Up to 8 Layers

Bit Rate

MPEG1 Audio Layer3	32-320 kbps
MPEG2 Audio Layer3	8-160 kbps
MPEG2.5	8-160 kbps
WMA	64-192 kbps

Sampling Frequency

MPEG 1	32/44.1/48kHz
MPEG 2	16/22.05/24 kHz
MPEG 2.5	8/11.025/12kHz
*WMA	32/44.1/48kHz

General

Power Source	14.4 V DC, negative ground (10.8 - 15.6 V allowable)
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Current Consumption	9.0 A (At rated power output)
Installation Dimension#	178 (W) x 50 (H) x 158 (D) mm 7(W) x 1-15/16(H) x 6-1/4(D) inches
Outer Dimensions#	178(W) x 50(H) x 170(D) mm 7(W) x 1-15/16(H) x 6-11/16(D) inches
Mass	Approx. 1.5KG / 3 lbs. 5 oz.

Remote Control Unit

Principle	Infrared pulse system
Power Supply	3 V DC (1.5 V x 2)
Dimensions*	49 (W) x 26 (H) x 110 (D) mm 1-15/16 (W) x 1 (H) x 4-5/16 (D) inches
Mass (approx.)	60 g / 2 oz (including batteries)

Specifications and features subject to change without notice.

*Thus unit does not support WMA VBR (Variable Bit Rate).

#Dimensions do not include protruding parts.