

CD 500

I N - C A R E N T E R T A I N M E N T



 Nakamichi®

## Inspired by Nature. Perfected by Nakamichi.

Experience true freedom and power with the CD 500 - listen to any type of music in any kind of format, from CD, CD-R, CD-RW to MP3. Rich in features, the CD 500 is packed with all that you can expect of a premium car stereo. From RDS technology to Nakamichi's signature Rotary Encoder, you'll experience the perfection that in-car entertainment can be. And with your Nakamichi remote control, you will have even more control over your in-car entertainment unit than ever before.

### Features

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

### Specifications

#### Power Amplifier

Maximum Power Output	47W x 4 (4 Ω)
Frequency Response	15 – 30,000 Hz ± 1 dB
Total Harmonic Distortion	0.1% (4 Ω, 1 kHz, 3W x 4)
AUX Input Level/Impedance	1V/50 K Ω
Tone Controls	
Bass	100 Hz ± 11 dB
Mid	1 kHz ± 11 dB
Treble	10 kHz ± 11 dB
Loudness	20 Hz ± 14 dB (Volume Level 20)
Output Level	4V

#### Tuner

18 FM / 12 AM Presets  
 Seek and Preset Scan  
 AMS – Auto Memory Store  
 One Touch Memory

#### FM Tuner Section

Frequency Range	
USA	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 Ω (Unbalanced)

#### AM Tuner Section

Frequency Range	
USA	530 – 1,710 kHz in 10 kHz Steps
Other Area	531 – 1,602 kHz in 9 kHz Steps
Sensitivity	32 dBμ
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

Number 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	
MPEG 1 Audio Layer3	32 – 320 kbps
MPEG 2 Audio Layer3	8 – 160 kbps
MPEG 2.5	8 – 160 kbps
WMA	64 – 192 kbps
Sampling Rate	
MPEG 1	32/44.1/48 kHz
MPEG 2	16/22.05/24 kHz
MPEG 2.5	8/11.025/12 kHz
*WMA	32/44.1/48 kHz

#### General

Power Source	14.4V DC, Negative Ground (10.8 – 15.6V Allowable)
Current Consumption	9.0 A (At Rated Power Output)
Installation Dimensions	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. 1.5 kg / 3 lbs. 5 oz.

#### Remote Control Unit

Principle	Infrared Pulse System
Power Supply	3V DC (1.5V 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)

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

Dimensions do not include protruding parts. Specifications and design features are subject to change for further improvement without notice.

Authorized Distributor's Stamp

 **Nakamichi**<sup>®</sup>  
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