

# CD 400

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



CD 400, the latest product in Nakamichi's line of In-Car Entertainment System, received a Design and Engineering Showcase Award at the 2003 International Consumer Electronics Show.

This revolutionary head unit represents a radical departure from the industry norm as it delivers true audiophile sound quality, available for the first time from Nakamichi at an affordable price.

The CD 400 incorporates state-of-the-art 24-bit digital-to-analog converters, an advanced technology application unheard of before in the mid-price range. The result – audibly superior musical reproduction!

To complement the ultimate in digital-to-analog conversion accuracy, a high-resolution preamplifier circuit topology was developed to achieve ultra low-noise and distortion levels and a highly linear signal transmission to the powerful and dynamic 47W x 4 channel power amplifier. Additionally triple-band tone controls – a Nakamichi tradition – are included to allow for fine-tuning the bass, midrange and high frequency ranges. This is essential for the corrective compensation of the poor acoustics in automobile interiors or source program material.

The unit's extraordinary mechanics and electronics are combined with an equally refined cosmetic design. Understated, yet sophisticated the CD 400 will grace the dashboard of any automobile. The color of the front panel illumination is user-selectable to best match the color scheme of the automobile's dash. On the LCD display, green or amber is selectable as are the unit's illuminated push buttons, allowing for four different color combinations.

## Features

- 24-bit D/A converter
- 4 illumination options
- CD-R/CD-RW compatible
- High power 47 watt x 4 amplifier
- Adjustable subwoofer output (adjustable +/- 10 db, Off)
- Remote control

## Specifications

### Amplifier Section

Maximum Power Output	47 W x 4
Frequency Response	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	4 V
Tone Controls	
Bass	100 Hz $\pm$ 11 dB
Mid	1 kHz $\pm$ 11 dB
Treble	10 kHz $\pm$ 11 dB
Loudness	20 Hz +14 dB (Volume level 20)

### 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 (IHF)
Signal-to-Noise Ratio	60 dB (Mono)
Stereo Separation	35 dB
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 dBu
Signal-to-Noise Ratio	45 dB

### CD Player Section

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)

### General

Power Source	14.4 V DC, negative ground (10.8 - 15.6 V 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	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)

*Dimensions do not include protruding parts. Height is the panel height.  
Specifications and product features are subject to change without notice.*

Authorized Distributor's Stamp

 **Nakamichi**<sup>®</sup>  
www.nakamichi.com

Nakamichi Corporation Limited 456 Alexandra Road, NOL Building, #12-01, Singapore 119962 Tel : (65) 6272 1488 Fax : (65) 62729925  
Nakamichi Sales Corporation The Grande Building, 23-3, Higashi 2-Chrome, Shibuya-ku, Tokyo 150-0011, Japan Tel : (81) 3 6418 0920 Fax : (81) 3 3499 1826  
Sound View International Limited 9/F The Grande Building, 398 Kwun Tong Road, Kwun Tong, Kowloon, Hong Kong Tel : (852) 2501 5435 Fax : (852) 2515 9881