



## CD-700II



### **The Evolution of Perfection – A Newly Refined Second-Generation Mobile Compact Disc Player Makes Its Debut**

Since its introduction in 1999, the Nakamichi CD-700 Mobile Tuner / CD Player has earned the distinction of “the standard reference others are compared against”. With its extraordinary sound quality and stylish appearance it has remained the preeminent mobile source of discerning car audio enthusiasts. In terms of design concept, parts selection, cosmetic appearance and of course sound quality, the CD-700 is in a class by itself.

Improving the sonic performance of the CD-700 was no small task. The first approach used was to further enhance the overall stability of the disc-drive mechanism. It is well known which external vibrations and shock can cause imprecise readout of the digital signal which can negatively affect sound quality. It is different in design from the typical spring-type clamps that simply hold the disc by friction, Nakamichi engineers made use of advanced magnetic to bring forth new levels of digital performance.

The CD-700II inherits the same innovative disc drive mechanism found in the original CD-700, but with a highly refined and stronger magnetic disc clamping system. This stronger magnetic force and refined disc chucking assembly is responsible for greater stability and a substantial reduction in jitter. In addition the entire mechanism has no direct contact with the unit’s chassis, so the compact disc is immune from external vibrations, assuring a pure and precise digital-data readout.

Uncompromised in every respect, the CD-700II is the culmination of years of Nakamichi’s research in the areas of electronic and mechanical engineering in relation to digital audio reproduction in the automobile.

#### **Features**

- Uncompromising sound quality
- Hand-selected left and right channel 24-bit D/A converters

- 4-gang rotary analog volume control
- Selectable Analog/Digital CD changer inputs
- 5-volt preamplifier output
- Safe and reliable disc handling
- Noise rejection shielding
- Aluminum faceplate and volume control knob
- CD changer controller

## SPECIFICATIONS

### Preamplifier Section

Frequency Response	15 - 30,000 Hz $\pm$ 1 dB (AUX to Pre Out)
Total Harmonic Distortion	0.001% (1 kHz)
AUX Input Level / Impedance	1 V / 10 kohms
CDC Input Level / Impedance	1 V / 10 kohms
Output Level	5 V
Tone Controls	
Bass	20 Hz $\pm$ 12 dB
Midrange	1 kHz $\pm$ 9 dB
Treble	20 kHz $\pm$ 6 dB

### 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	10 dBf (0.9 $\mu$ V 175 ohms)
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 $\mu$
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 converter with 8-times oversampling digital filter
Frequency Response	20 - 20,000 Hz $\pm$ 1 dB
Signal-to-Noise Ratio	Better than 105 dB
Dynamic Range	Better than 100 dB
Total Harmonic Distortion	0.003% (1 kHz)

### **General**

Power Source	14.4 V DC, negative ground (10.8 ~ 15.6 V allowable)
Current Consumption	2.5 A
Installation Dimensions*	
Main Unit	178 (W) x 50 (H) x 159.5 (D) mm 7 (W) x 1-15/16 (H) x 6-1/4 (D) inches
Outer Dimensions*	
Main Unit	178 (W) x 46 (H) x 177.8 (D) mm 7 (W) x 1-15/16 (H) x 7 (D) inches
Power Supply Unit	137 (W) x 31.2 (H) x 85 (D) mm 5-3/8 (W) x 1-1/4 (H) x 3-3/8 (D) inches
Mass	
Main Unit	Approx. 1.6 kg / 3 lbs 8 oz
Power Supply Unit	Approx. 0.5 kg / 1 lb 2 oz

Specifications and design are subject to change for further improvement without notice.

\* Dimensions do not include protruding parts. Height is the panel height.