



## MB-X



### **A Sophisticated Luxury Car Audio System that has Technological Superiority and is a Pleasure to Use**

MB-X Music Bank is the world's first in-dash receiver with an integral 6-disc CD changer, 4-Channel Amplifier and remote control. Packed with a host of features such as a rotary encoder, dimmer circuit interlocked with the illumination control of the car and sound filter for improved sound quality, the MB-X delivers perfect sound quality.

With the MB-X, Nakamichi has once again successfully combined product innovation and advanced technology to produce yet another superior In-Car Entertainment System.

Available in two versions – Radio Data System (RDS) and non-RDS, the MB-X incorporates an advanced PLL synthesizer tuner section with 18 FM and 12 AM station presets. Features such as high resolution 24-bit D/A converter, 4-channel high power amplifier and 4 low-level RCA preamp outputs provide premium sound performance that would satisfy even the most discerning audiophile.

Designed to fit into a standard single-DIN dashboard and fitted with a detachable front panel, this latest offering in car audio entertainment is finished with an understated yet sleek matte black front panel. The attractive front panel layout is fitted with a unique Rotary Encoder Type controller, making it user friendly while the nine colour illumination option allow for an unprecedented degree of customization to the vehicle's interior. With illumination that adjusts itself to varying light conditions, nighttime glare is minimized with the MB-X. Moreover, the illumination is sync with the car's dimmer to provide the perfect choice of ambience giving the driver absolute control over one's personal space.

Using the MB-X is easy with Nakamichi's proven and highly refined Direct Loading Mechanism which ensures convenient and reliable operation without the need for magazines or trays. The MB-X is also fitted with a Double Eject

Mechanism with automatic reloading after 15 seconds. As the MB-X's MusicBank mechanism handles discs only by their edges, whether they are being moved or stored within the changer, there is absolutely no contact with the disc surface and no possibility of damage. A unique Partial Eject feature further prevents accidental contact with the disc-playing surface. A gentle push is all that is needed to safely remove the partially ejected disc.

### Key Features include

- Rotary encoder
- Selectable illumination colours
- Dimmer circuit interlocked with illumination control in a car
- Sound filter for improved sound quality
- Premium sound performance
- Freedom to remote control
- Unprecedented CD playback convenience
- Aesthetic design, compact and user-friendly



*(For European & Asian Models)*

## SPECIFICATIONS

### Power Amplifier

Maximum Power Output	40 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, 5 W x 4)

### DAC / Preamp Unit

#### Preamp Section

Frequency Response	15 - 30,000Hz $\pm$ 2 dB
Total Harmonic Distortion	0.008% (1 KHz)
Output Level (Pre Out)	1.0 V / 2.0 V / 5.0 V (Selectable)

#### Tone Controls

Bass	20 Hz $\pm$ 12 dB
Midrange	3 kHz $\pm$ 12 dB

Treble	20 kHz $\pm$ 12 dB
Loudness	20 Hz +12 dB (Volume level 30)
<b>D/A Converter Section</b>	
Frequency Response	20 - 20,000 Hz $\pm$ 2 dB
Sampling Frequency	32 kHz / 44.1 kHz / 48 kHz (Automatic Switching)
D/A Converter Type	24-bit DAC
Signal-to-Noise Ratio	Better than 95 dB
Dynamic Range	Better than 95 dB
Total Harmonic Distortion	0.008% (1 KHz)

Tuner	18 FM / 12 AM Presets
	Seek and 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	10 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 dBf
Signal-to-Noise Ratio	45 dB

### **CD Player Section**

Changer Principle	6-Disc MusicBank™ system
System	Compact Disc Digital Audio
Frequency Response	20 - 20,000 Hz
Error Correction	CIRC Principle

### **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
Mass (approx.)	60 g / 0.13 lbs / 2 oz (including batteries)

### **General**

Power Source	14.4 V DC, negative ground (10.8 - 15.6 V allowable)
Current Consumption	7.0 A (At rated power output)
Installation Dimensions*	
Tuner / CD Changer Transport Unit	178 (W) x 50 (H) x 159.5 (D) mm
Outer Dimensions*	
Tuner / CD Changer Transport Unit	178 (W) x 46 (H) x 176.7 (D) mm
DAC / Preamplifier Unit	178 (W) x 25 (H) x 120 (D) mm
Amplifier Block	30 (W) x 46 (H) x 196.7 (D) mm
Mass (approx.)	
Main Unit	2.9 kg
Amplifier Unit	0.9 kg
DAC / Preamplifier Unit	1.1 kg

Specifications and product features are subjected to change without notice.

MusicBank™ is a registered trademark of Nakamichi Corporation.

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