

# LUXMAN

CAR AUDIO POWER AMPLIFIERS

CM-20000

CM-6000

CM-4000

CM-2050

*Verve, presence, and expressive power — enjoy them all in the supreme sound of the CM series*

LUXMAN CORPORATION



CAR AUDIO POWER AMPLIFIER  
**CM-20000**

**Dazzling performance  
 A new flagship**

Superlative hi-fi engineering from unsurpassed home audio performance. Based on a superb design of four parallel eight-transistor power modules, the flagship model features a final power stage capable of 100 W output per channel for two channels. BTL monaural enables peak transient power draw of 1600 W into a 1 Ω load. Retains all its performance characteristics, even when driving low-impedance speakers. From power supply to circuit board topology, each channel is entirely discrete. Accepts high-capacity passive components with ease. All primary components are connected with high-grade 6N cabling. Shielding a full millimeter thick protects against virtually any external source of electromagnetic interference. Provide performance worthy of the pinnacle of the new-generation CM series when connected to capable, high-capacity speakers.



**Circuit innovation to bring you superior sound quality  
 ODNF Version 2 — the second generation**

Music free to ebb and flow. Taut, powerful bass for precise rhythm delineation. Luxman's ODNF circuit, with its superb signal transfer fidelity and response all along the input to output chain, precisely recreates and brings to life each subtle musical hue and nuance, with instant response to musical signals. The CM series adopts our latest Version 2 circuit, which drives current levels at every part of the ODNF circuit. Amplifiers in the CM series weave harmonies and tones of indescribable texture and spaciousness.

\* ODNF (Only Distortion Negative Feedback) is a proprietary Luxman high-quality audio feedback circuit system.

**Fanless design for the  
 quietest possible  
 playback ambiance**

Introducing a panel-integrated heat sink for high-efficiency heat dissipation. No cooling fan needed, thanks to 30% higher heat dissipating efficiency. Significant upgrades in chassis vibration damping help create an aural backdrop of near-perfect silence.

**High-capacity  
 independent power  
 supply for each  
 channel**

Power supply equipped with high-capacity chemical condenser to provide power reserves for transients. Each channel is composed of discrete DC high-inertia components, eliminating crosstalk, particularly in the higher frequencies.

\* CM-6000 and CM-4000 use independent power supplies for each channel.



CAR AUDIO POWER AMPLIFIER  
**CM-2050**

CM-2050 is a 2ch power amplifier, and the most compact in the CM series. By installing an optional "Plug-in Board," it is possible to have 3ch crossover output. Moreover, by adding two units of CM-2050, it can be expanded into 3ch multi-drive.

CAR AUDIO POWER AMPLIFIER

# CM-6000

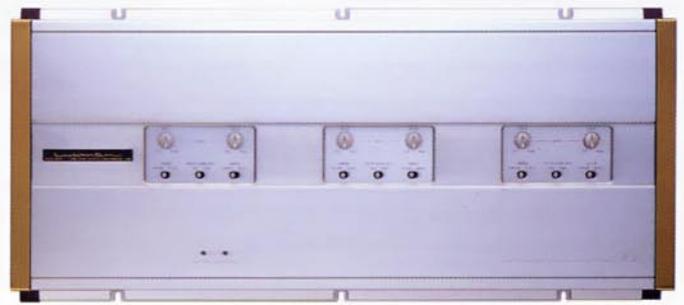


## Maximum utility through 6-channel output

Expand your listening pleasure with a system offering multi-configuration capability.

A 50 W x 6 channel power amp that expands the pleasures of cinema surround sound, multi-configuration capability, BTL, and other car audio components in a myriad of ways.

Each of the unit's 6-input/6-output amp channels constitutes a discrete signal path. Choose from one channel to all channels to create a broad range of configurations using 6, 5, 4, or 3 channels. Realizes exceptional audio quality in any environment. Bridged, the amplifier pumps out 200 W x 3 channels of pure high power output. Provides more than enough reserve power, even for systems that place the highest demands on a power amplifier.



## Equipped with independent gain control for each channel

All models in the this CM series come with independent volume controls for each channel, allowing the user to establish precise independent gain for each channel of the power amp. They also have controls for input sensitivity, as well as direct position and bridge connection ON/OFF configuration switches for each 2-channel block.



Choke coils and power transformers were repeatedly tested and customized.



High-capacity block condenser is excellent at the instantaneous discharge.

CAR AUDIO POWER AMPLIFIER

# CM-4000



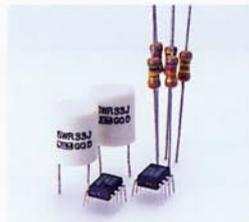
## Most commonly used 4-channel system

For high-quality audio reproduction across a wide range of sound environments. A 50 W x 4 channel power amplifier based on the same concept as the CM-6000. Reflecting our fundamental philosophy in the pursuit of audio perfection, the CM-4000 introduces an independent 4-input/4-output design for each block, with outputs that can be bridged for 200 W x 2 channel output. Like other models in the CM series, it exhibits the top-flight performance that exemplifies the system.



## Pride of ownership, customer loyalty

For Luxman, the pride and joy our customers experience in owning a finely-crafted device remains an important goal. Our approach to the high-end home audio market and to car audio power amps is identical. The unit front panel is machined from pure aluminum stock, with finely detailed hairline treatments. At all times, the scrupulous and painstaking finish expresses the power and performance of the next-generation CM series.



Audio parts with high information capacity

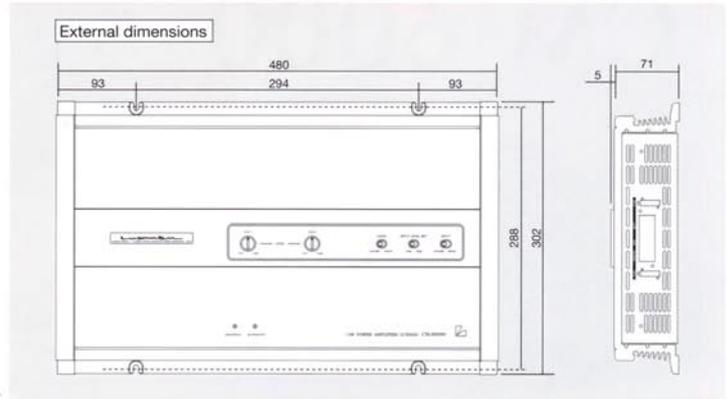


High-grade I/O terminals

# SPECIFICATIONS

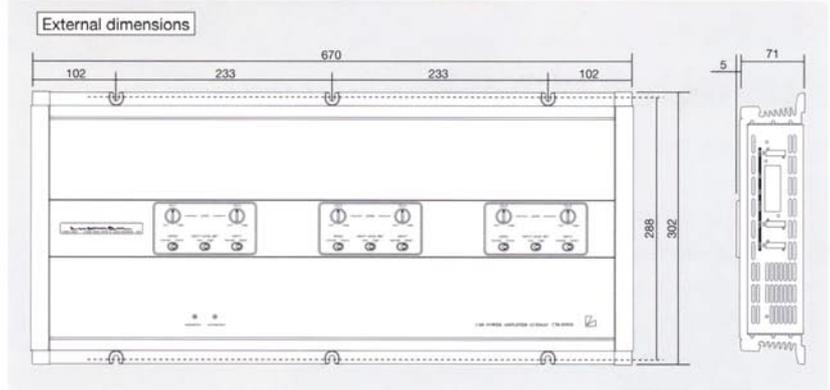
## CM-20000

Continuous effective output	100 W x 2 ch (4 Ω) 400 W x 1 ch (4 Ω, MONO) 1600 W x 1 ch (1 Ω, MONO, Max.)
Input sensitivity/Impedance	NORMAL (LOW) 0.5 V/20 KΩ (HIGH) 2.0 V/3.1 KΩ DIRECT 0.5 V/25 KΩ
S/N ratio (Rated output)	Min. 110 dB (IHF-A compensation, input short circuit, DIRECT)
T.H.D.	Max. 0.05 % (4 Ω, 1 kHz, DIRECT) Max. 0.2 % (4 Ω, 20–20,000 Hz, DIRECT)
Frequency characteristics	20–20,000 Hz (+0, -0.2 dB, DIRECT) 5–100,000 Hz (+0, -2 dB, DIRECT)
Damping factor	Min. 100 (4 Ω, 1 kHz, DIRECT)
Battery voltage	DC 12V
Power demand	33.6 W (2.8 A, no signal) 354 W (29.5 A, 4 Ω, Rated output)
External dimensions (in mm)	480 (Width) x 302 (Depth) x 76 (Height)
Weight	9.5 kg (Body)



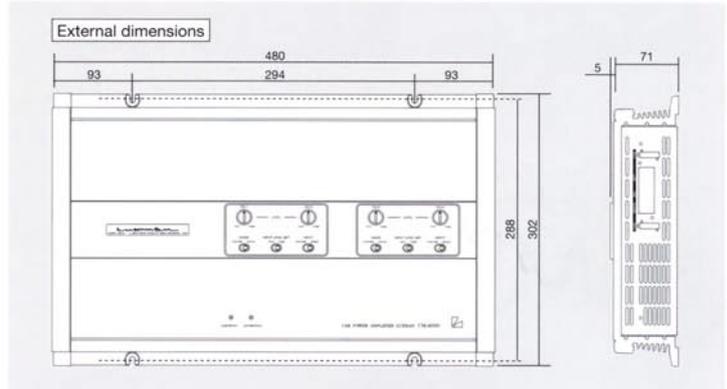
## CM-6000

Continuous effective output	50 W x 6 ch (4 Ω) 200 W x 3 ch (4 Ω, MONO)
Input sensitivity/Impedance	NORMAL (LOW) 0.5 V/20 KΩ (HIGH) 2.0 V/3.1 KΩ DIRECT 0.5 V/25 KΩ
S/N ratio (Rated output)	Min. 105 dB (IHF-A compensation, input short circuit, DIRECT)
T.H.D.	Max. 0.04 % (4 Ω, 1 kHz, DIRECT) Max. 0.1 % (4 Ω, 20–20,000 Hz, DIRECT)
Frequency characteristics	20–20,000 Hz (+0, -0.2 dB, DIRECT) 5–100,000 Hz (+0, -2 dB, DIRECT)
Damping factor	Min. 100 (4 Ω, 1 kHz, DIRECT)
Battery voltage	DC 12V
Power demand	27.6 W (2.3 A, no signal) 552 W (46.0 A, 4 Ω, Rated output)
External dimensions (in mm)	670 (Width) x 302 (Depth) x 76 (Height)
Weight	12.6 kg (Body)



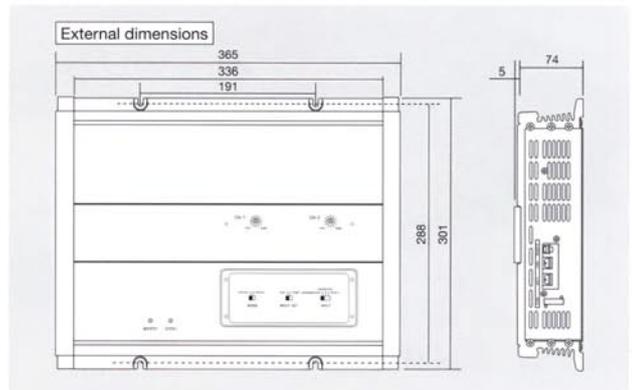
## CM-4000

Continuous effective output	50 W x 4 ch (4 Ω) 200 W x 2 ch (4 Ω, MONO)
Input sensitivity/Impedance	NORMAL (LOW) 0.5 V/20 KΩ (HIGH) 2.0 V/3.1 KΩ DIRECT 0.5 V/25 KΩ
S/N ratio (Rated output)	Min. 107 dB (IHF-A compensation, input short circuit, DIRECT)
T.H.D.	Max. 0.04 % (4 Ω, 1 kHz, DIRECT) Max. 0.1 % (4 Ω, 20–20,000 Hz, DIRECT)
Frequency characteristics	20–20,000 Hz (+0, -0.2 dB, DIRECT) 5–100,000 Hz (+0, -2 dB, DIRECT)
Damping factor	Min. 100 (4 Ω, 1 kHz, DIRECT)
Battery voltage	DC 12V
Power demand	19.2 W (16 A, no signal) 360 W (30.0 A, 4 Ω, Rated output)
External dimensions (in mm)	480 (Width) x 302 (Depth) x 76 (Height)
Weight	9.5 kg (Body)



## CM-2050

Continuous effective output	50 W x 2 ch (4 Ω)
Input sensitivity/Impedance	BALANCE (LOW) 0.5 V/20 KΩ (HIGH) 1 V/4.3 KΩ UNBALANCE (LOW) 0.5 V/20 KΩ (HIGH) 1 V/4.3 KΩ DIRECT 0.5 V/25 KΩ
S/N ratio (Rated output)	Min. 112 dB (IHF-A compensation, input short circuit, DIRECT)
T.H.D.	Max. 0.05 % (4 Ω, 1 kHz, DIRECT) Max. 0.20 % (4 Ω, 20–20,000 Hz, DIRECT)
Frequency characteristics	20–20,000 Hz (+0, -0.2 dB, DIRECT) 5–100,000 Hz (+0, -1.5 dB, DIRECT)
Damping factor	Min. 100 (4 Ω, 1 kHz, DIRECT)
Battery voltage	DC 12V
Power demand	8.4 W (0.7 A, no signal) 192 W (16 A, 4 Ω, Rated output)
External dimensions (in mm)	365 (Width) x 301 (Depth) x 79 (Height)
Weight	5.7 kg (Body)



## Peripherals/Accessories

Peripherals	RCA Input terminal, Balance Input terminal (CM-20000, CM-4000, CM-2050), Speaker output terminal, Remote terminal, Ground terminal, Battery terminal, Fuse, Level volume, Monaural amp. (BTL) switch, Input sensitivity switch, Input selector switch, Indicator (OPERATION, PROTECTION)
Accessories	Mounting screws, Hex wrench, Instruction manual

\* Specifications and external appearance may change without prior notice.