



XM-GS6DSP
6/5 channel class-D amplifier with DSP

Boost the power of your existing car stereo and add Bluetooth³ streaming without changing the look of your dashboard. The XM-GS6DSP transforms in-car sound with up to 780W¹ of power on up to 6 channels of output and allows customization of the sound via the Sony | Music Center app.²



Bullets

- Bluetooth music streaming³
- Customized sound with the Sony | Music Center app.²
- 5/6 Channels of amplification
- Class-D amplification technology for high power
- DSP with 4.1-channel time alignment
- Low-pass, high-pass and bandpass filters for accurate sound
- Heavy duty aluminum low-profile case

Features

Time Alignment optimizes sound for every seat

Wherever you sit in your car, you'll be closer to some speakers than others, which affects how the music sounds. Time Alignment re-calibrates the signal so you're always in the correct sound field for a more natural listening experience.

Customization at your fingertips

Pair your smartphone with the XM-GS6DSP and take charge of the sound. Adjust equalizer and speaker settings, volume levels and fader controls from the comfort of your seat with a simple touch of your smartphone screen with the Sony | Music Center app.²

Stream the music you love

Unleash your tracks and playlists. Stream music to your car stereo from all your favorite apps with BLUETOOTH® wireless connection.³

Power meets precision

With 6 channels of class-D amplification, the XM-GS6DSP drives a variety of speaker configurations. Fill your car with 45Wx4 (4Ω) RMS of clean and dynamic sound plus 600W (2Ω bridged) RMS of subwoofer power.¹ All from a compact amp, with minimal interference for audio that's crystal clear, even at its loudest.

Premium components

High quality electrolytic capacitors at power input and output stages provide responsive bass. Premium inductors with low resistance OFC wire cut RF noise for a rich, lively sound.

Heavy duty aluminum case

A sturdy, heat sink-integrated aluminum case protects the amp during your drive, preventing unwanted vibrations so music stays stable and true.

Low-pass, high-pass and bandpass filters

Highly customizable Low-pass, high-pass and bandpass filters can be applied across the system, allowing you to drive component high frequency tweeters and subwoofers, plus everything in between, all from the same amp.

Precision meets versatility

Install your amp under a seat or in the trunk, then connect to your existing car radio. Select from a variety of speaker configurations to complete your new audio system, with easy set up to drive subwoofers and component speakers, as well as regular coaxial speakers.

Specifications

Amplifier Section		High-pass filter	500 Hz – 4 kHz, 12 dB/oct (FRONT), 50 Hz – 500 Hz, 12 dB/oct (REAR)
Frequency Response	20 Hz – 20 kHz (+0.5,-3.0 dB) (FRONT/REAR), 20 Hz – 10 kHz (+0.5, -3.0 dB) (SUB)	Input level adjustment range	in 6ch mode: 0.3 V – 6 V (RCA pin jacks), 3 V – 12 V (High level input)
Harmonic distortion	0.1% at 1 W, 1 kHz (FRONT/REAR at 4 Ω), 0.1% at 45 W, 1 kHz (SUB at 4 Ω)		



Low boost	0 dB – 10 dB (40 Hz) (SUB)
Low-pass filter	500 Hz – 4 kHz, 12 dB/oct (REAR), 50 Hz – 500 Hz, 12 dB/oct (SUB)
Maximum outputs	5 Speakers: 100 W × 4 (FRONT/REAR at 4 Ω), 1,100 W × 1 (SUB BTL at 2 Ω) 6 Speakers: 100 W × 4 (FRONT/REAR at 4 Ω), 300 W × 2 (SUB at 2 Ω)
Rated outputs (at 14.4V)	6 Speakers: 45 W × 4 (FRONT/REAR at 4 Ω), 90 W × 2 (SUB at 4 Ω) (supply voltage at 14.4 V, 20 Hz – 20 kHz, 1% THD))
Power	
Current Drain	At rated output: 36 A 45 W × 4 (FRONT/REAR at 4 Ω), 90 W × 2 (SUB at 4 Ω)
Input Power	ACC Input: 1 mA Remote input: 1 mA
Input Voltage	10.5-16V Power Supply Voltage
Power Requirements	12 V DC car battery (negative ground (earth))
Rated Output	CTA2006 Standard 45 Watts RMS × 4 at 4 Ohms, 90 Watts RMS × 2 at 4 Ohms 1% THD+N SN Ratio: 83 dBA (FRONT/REAR), 80 dBA (SUB) (reference: 1 Watt into 4 Ohms)

Speaker	
Circuit System	Class D Amplifier, Pulse power supply
Impedance	4 Ω – 8 Ω (Speaker output connector), 2 Ω – 8 Ω (WOOFER/SUBWOOFER terminals)
Weights and Measurements	
Dimensions (Approx.)	11 5/8 in × 2 1/8 in × 7 7/8 in (295 × 51 × 199.5 mm) (w/h/d) not incl. projecting parts and controls
Weight (Approx.)	5 lb 12 oz (2.6 kg) not incl. accessories
Wireless Connectivity	
Compatible Bluetooth® Profiles	A2DP (Advanced Audio Distribution Profile): 1.3 AVRCP (Audio Video Remote Control Profile): 1.5 SPP (Serial Port Profile))
Frequency Band	2.4 GHz band (2.4000 GHz – 2.4835 GHz)
Maximum Range	Maximum communication range: Line of sight approx. 33 ft (10m)
Modulation Method	FHSS
Accessories	
Supplied Accessories	Main unit (1) Mounting screws (4) High level input cord (1) RCA input cord (1) Speaker output cord (1) Protection cap (1)

1. Rated Power: CEA2006 Standard Power Output: 45 Watts RMS × 4 + 90 Watts RMS at 4 Ohms 1% THD+N SN Ratio: 83 dBA (FRONT/REAR), 80 dBA (SUB) (reference: 1 Watt into 4 Ohms).

2. Requires download of free Music Center App for iPhone from the App Store or for Android from Google Play. Subject to app terms and conditions. Music Center does not support iPhone 3G, iPod touch (3rd generation), iPod touch (2nd generation), iPod classic and iPod Nano.

3. Interoperability and compatibility among Bluetooth® devices may vary.