

# XM-GTR2022

## SERVICE MANUAL

Ver. 1.1 2008.01

US Model  
E Model



### SPECIFICATIONS

#### AUDIO POWER SPECIFICATIONS

**POWER OUTPUT AND TOTAL HARMONIC DISTORTION**  
200 watts per channel minimum continuous average power into 4  $\Omega$  loads, both channels driven, from 20 Hz to 20 kHz with no more than 1% total harmonic distortion per Car Audio Ad Hoc Committee standards.

#### Other Specifications

|                                          |                                                                                                                                                                                                          |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Circuit system                           | OTL (output transformerless) circuit                                                                                                                                                                     |
| Inputs                                   | Pulse power supply<br>RCA pin jacks                                                                                                                                                                      |
| Outputs                                  | High level input connector<br>Speaker terminals<br>Through cut pin jacks                                                                                                                                 |
| Loadable speaker impedance               | 2 – 8 $\Omega$ (stereo)<br>4 – 8 $\Omega$ (when used as a bridging amplifier)                                                                                                                            |
| Maximum outputs                          | 400 W $\times$ 2 (at 4 $\Omega$ )<br>600 W $\times$ 2 (at 2 $\Omega$ )<br>1,200 W (monaural) at 4 $\Omega$                                                                                               |
| Rated outputs (supply voltage at 14.4 V) | 200 W $\times$ 2 (20 Hz – 20 kHz, 1% THD + N,<br>at 4 $\Omega$ )<br>250 W $\times$ 2 (20 Hz – 20 kHz, 1% THD + N,<br>at 2 $\Omega$ )<br>500 W (monaural) (20 Hz – 20 kHz, 1% THD + N,<br>at 4 $\Omega$ ) |
| Frequency response                       | 5 Hz – 50 kHz ( $\pm 3$ dB)                                                                                                                                                                              |
| Input level adjustment range             | 0.3 – 6.0 V (RCA pin jacks)<br>1.2 – 12.0 V (High level input)                                                                                                                                           |

|                      |                                                                                                                                      |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Low-pass filter      | 30 – 300 Hz, $-12$ dB/oct                                                                                                            |
| Low boost            | 0 – 10 dB (40 Hz)                                                                                                                    |
| Power requirements   | 12 V DC car battery<br>(negative ground)                                                                                             |
| Power supply voltage | 10.5 – 55 V                                                                                                                          |
| Current drain        | at rated output : 45 A (at 4 $\Omega$ )<br>Remote input : 1 mA                                                                       |
| Dimensions           | Approx. 400 $\times$ 125 $\times$ 275 mm<br>(15.7 $\times$ 5.0 $\times$ 10.8 in.)<br>(width) not incl. projecting parts and controls |
| Mass                 | Approx. 5.35 kg (11.8 lb.) not incl. accessories                                                                                     |
| Supplied accessories | Mounting screws (4)<br>High level input cord (1)                                                                                     |

*Design and specifications are subject to change without notice.*

STEREO POWER AMPLIFIER

**SONY®**

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**General Motors Corporation. Pontiac  
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