

## Xantrex 806-1810

# Xantrex XM 1800 Pro Series 12V Power Inverter User Manual

Model: 806-1810

Brand: Xantrex

## INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your Xantrex XM 1800 Pro Series 12V Power Inverter. This 1800W inverter is designed to convert 12V DC battery power into 120V AC household power, suitable for running TVs, small appliances, and other electronics. It features a built-in 15A circuit breaker to protect GFCI connected loads.

## SAFETY INFORMATION

**WARNING: Improper installation or use of this inverter can result in serious injury, death, or equipment damage. Read all instructions before installation and operation.**

- Ensure proper ventilation around the inverter to prevent overheating.
- Do not expose the inverter to water, rain, or excessive moisture.
- Connect the inverter only to a 12V DC power source.
- Always disconnect the battery before performing any maintenance or installation.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

## PRODUCT OVERVIEW

The Xantrex XM 1800 Pro Series Inverter is a robust power solution. Key components include the front panel display, AC outlets, and DC input terminals.



Figure 1: Front view of the Xantrex XM 1800 Pro Series Inverter, showing the digital display, status indicators, and AC outlets.

### Front Panel Features:

- **Digital Display:** Shows Input Voltage (V), Input Current (A), and Output Power (W).
- **Status Indicators:** LEDs for Utility, Battery, and Fault conditions.
- **Select Button:** Used to cycle through display information.
- **AC Outlets:** Standard household outlets for connecting appliances.
- **Built-in 15A Circuit Breaker:** Provides protection for connected loads.

## SETUP AND INSTALLATION

Proper installation is critical for the performance and safety of your inverter. Ensure the installation location is dry, well-ventilated, and away from flammable materials.

### Mounting the Inverter:

1. Choose a secure, flat surface for mounting.
2. Ensure adequate clearance around the inverter for airflow (at least 6 inches on all sides).
3. Use appropriate fasteners to secure the inverter to the mounting surface.

### DC Input Connection:

1. Connect the positive (+) terminal of the inverter to the positive (+) terminal of your 12V battery bank using appropriately sized cables.
2. Connect the negative (-) terminal of the inverter to the negative (-) terminal of your 12V battery bank.
3. Ensure all connections are tight and secure to prevent voltage drop and overheating.

### AC Output Connection:

Plug your AC appliances directly into the AC outlets on the front panel of the inverter. Do not exceed the inverter's rated output power of 1800W.

## OPERATING INSTRUCTIONS

### Turning On/Off:

- To turn on the inverter, press and hold the power button until the display illuminates.
- To turn off the inverter, press and hold the power button until the display turns off.

### Monitoring Performance:

The digital display provides real-time information:

- **Input Voltage (V):** Shows the voltage of the connected 12V battery.
- **Input Current (A):** Indicates the current being drawn from the battery.
- **Output Power (W):** Displays the power being supplied to connected AC loads.

Use the **Select** button to cycle through these readings.

### Connecting Appliances:

Ensure the total wattage of all connected appliances does not exceed 1800W. For optimal performance, avoid running high-surge appliances simultaneously.

## MAINTENANCE

- Regularly inspect all cable connections for tightness and corrosion.
- Keep the inverter's ventilation openings clear of dust and debris. Use compressed air to clean if necessary.
- Check the battery voltage periodically to ensure it remains within the recommended operating range.
- Store the inverter in a cool, dry place when not in use for extended periods.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Inverter not turning on	Low battery voltage; Loose battery connections; Blown fuse (external)	Charge battery; Check and tighten connections; Replace fuse if necessary

Problem	Possible Cause	Solution
No AC output	Overload; Over-temperature; Fault indicator lit	Reduce load; Allow inverter to cool; Refer to fault codes in manual (if applicable)
Fan running constantly/loudly	High internal temperature; Heavy load	Ensure adequate ventilation; Reduce load if possible
GFCI outlet trips	Ground fault detected; Overload on GFCI circuit	Check connected appliance for faults; Reduce load on GFCI outlet
Inverter shuts down unexpectedly	Low battery voltage; Overload; Over-temperature	Check battery charge; Reduce load; Ensure proper ventilation

### SPECIFICATIONS

Model Name	Xantrex XM 1800 Pro Series 12V Power Inverter
Part Number	806-1810
Input Voltage	12V DC
Output Power (Continuous)	1800W
Built-in Circuit Breaker	15A (for GFCI connected loads)
Item Dimensions (LxWxH)	12.9 x 8.3 x 4 inches
Item Weight	1 Pounds
Material	Plastic
Style	Detachable (Remote Control)

### WARRANTY AND SUPPORT

This Xantrex product comes with a manufacturer's warranty. For specific warranty details and terms, please refer to the documentation included with your purchase or visit the official Xantrex website.

For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact Xantrex customer service. You can find contact information on the Xantrex website or through your product's packaging. Visit the [Xantrex Store](#) for more information.

## ADDITIONAL RESOURCES







For further assistance, consider these options:

- **Online FAQs:** Check the Xantrex support page for frequently asked questions.
- **Community Forums:** Engage with other users for tips and advice.

*Note: No official product videos from the seller were found to be relevant for embedding in this manual.*

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## Related Documents - 806-1810

	<p><a href="#">Xantrex Inverter and Battery Charger Selector Guide   Find Your Power Solution</a></p> <p>Comprehensive guide to selecting the right Xantrex inverter, inverter/charger, and battery charger for your needs. Compare models, features, and applications for 110VAC and 230VAC systems.</p>
	<p><a href="#">Xantrex Sine Wave Inverter Owner's Manual: Installation, Operation &amp; Troubleshooting</a></p> <p>Comprehensive owner's manual for Xantrex Sine Wave Inverters (models 1000, 1000i, 1800, 1800i). Provides detailed instructions on installation, operation, safety precautions, troubleshooting, and specifications for reliable power conversion.</p>
	<p><a href="#">Xantrex Sine Wave Inverter 1000/1800 Owner's Manual</a></p> <p>Owner's manual for Xantrex Sine Wave Inverter models 1000, 1000i, 1800, 1800i. Provides comprehensive guidance on installation, operation, safety, troubleshooting, and specifications for reliable AC power conversion.</p>
	<p><a href="#">Xantrex Sine Wave Inverter 1000/1800 Owner's Manual</a></p> <p>This owner's manual provides detailed instructions for the installation, operation, and troubleshooting of the Xantrex Sine Wave Inverter models 1000, 1000i, 1800, and 1800i, designed to deliver clean AC power from DC sources.</p>
	<p><a href="#">Xantrex Prosine Sine Wave Inverter 1000/1800 Owner's Manual</a></p> <p>This owner's manual provides detailed instructions for the installation, operation, and maintenance of the Xantrex Prosine Sine Wave Inverter models 1000, 1000i, 1800, and 1800i. Learn about safety precautions, wiring, troubleshooting, and specifications.</p>
	<p><a href="#">Xantrex Sine Wave Inverter 1000/1800 Owner's Manual - Installation &amp; Operation Guide</a></p> <p>Comprehensive owner's manual for Xantrex Sine Wave Inverter models 1000, 1000i, 1800, and 1800i. Includes installation, operation, safety, troubleshooting, and specifications.</p>