

MP-C1 Trailer Plug Adapter

Instruction Manual



Product Overview

The MP-V1 is a smart 7-way trailer hitch adapter designed for advanced visibility into your towing system. With both LED circuit indicators and digital voltage displays, this diagnostic adapter ensures you have the information you need for safe and reliable towing.

Package Contents

- 1x MP-V1 7-Way Trailer Plug Adapter

Key Features

- 7 LED Circuit Indicators:
Confirms power to each trailer function:
Left Turn, Right Turn, Running Lights, Backup Lights, Brake Signal, 12V Auxiliary, Ground
- Digital Input Voltage Display:
Real-time monitoring of vehicle's output voltage
- Digital Output Voltage Display:
Monitors voltage going to your trailer
- 4/5 Flat Pin Output:
Converts 7-way RV blade to 4-pin or 5-pin trailer plugs



Installation Instructions

1. Turn Off Vehicle
Ensure engine is off before installation.
2. Locate Vehicle's 7-Way Socket
Typically near rear bumper.
3. Connect the MP-V1 Adapter
Plug into vehicle's 7-way socket until secure.
4. Connect Trailer Plug
Insert trailer's 4-pin or 5-pin connector into MP-V1.

Using the LED Circuit Indicators

Once the vehicle is running and the adapter is plugged in:

- Left Turn: Activate left signal - LED blinks

MP-C1 Trailer Plug Adapter

Instruction Manual

- Right Turn: Activate right signal - LED blinks
- Running Lights: Turn on headlights - LED solid
- Brake Signal: Press brake pedal - LED lights up
- Backup Lights: Shift to reverse - LED lights up
- 12V Power: Vehicle ON - LED solid
- Ground: Continuously monitored - LED solid if grounded

Using the Voltage Displays

- Input Voltage Display (Left): Shows vehicle output voltage (12.0V-14.5V typical)
- Output Voltage Display (Right): Shows voltage delivered to trailer



Safety & Maintenance Tips

- Unplug when not in use to avoid battery drain
- Keep unit dry and clean
- Check voltage regularly
- Do not submerge in water

Troubleshooting

- Issue: No LEDs/voltage - Check ignition and 12V fuse
- Issue: LED not lighting - Check trailer wiring and fuses
- Issue: Low input voltage - Check battery/alternator
- Issue: Low output voltage - Check trailer and ground connections

Specifications

- Input: 7-Way RV Blade
- Output: 4/5 Flat Pin
- Voltage Range: 9V-16V DC
- LED Indicators: 7 Circuit LEDs
- Displays: Dual Digital Voltage (Input & Output)
- Construction: ABS Housing, Weather-Resistant

Support

Email: support@mastertailgaters.com

Website: www.mastertailgaters.com