

# MP-C1 Trailer Plug Adapter

## Instruction Manual



### Product Overview

The MP-C1 is a plug-and-play 7-way blade trailer hitch adapter with built-in LED circuit indicators and a voltage status light. It also includes a 4/5 flat pin output and a 12V accessory (cigarette lighter) port for added convenience.

### Package Contents

- 1x MP-C1 7-Way Trailer Plug Adapter

### Features

- 7 LED indicators to show power to each trailer circuit:
  - Left Turn
  - Right Turn
  - Running Lights
  - Brake Signal
  - Backup Lights
  - 12V Power
  - Ground
- LED Voltage Indicator Light - confirms power is present from the tow vehicle
- 4/5 Flat Pin Output - allows connection to trailers with 4-pin or 5-pin connectors
- 12V Cigarette Lighter Port - powers accessories such as inflators, chargers, or coolers



### Installation Instructions

1. Turn Off Vehicle  
Before installation, turn off your vehicle's engine and ensure all trailer lights are off.
2. Locate the 7-Way Socket  
Find the 7-blade trailer connector on your vehicle's hitch area (typically near the bumper or undercarriage).
3. Plug in the MP-C1 Adapter  
Firmly insert the MP-C1's male 7-blade plug into your vehicle's 7-way socket until it locks into place.
4. Connect Your Trailer
  - If your trailer uses a 4-pin or 5-pin connector, plug it into the matching flat pin outlet on the MP-C1.
  - If you need to power a 12V device, connect it to the cigarette lighter port on the MP-C1.

### Using the LED Indicators

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

- Each LED will light up as the corresponding function is activated (e.g., turn on left signal - left LED lights up).
- Voltage Indicator LED will illuminate if 12V power is present from the vehicle, confirming overall system power.

### Safety Tips

- Always unplug the adapter when not in use to prevent battery drain.
- Keep the adapter dry and clean to maintain proper connection.
- Periodically check LED lights to verify trailer circuits are functional.
- Do not exceed power limits of the 12V outlet (typically up to 10A).



### Troubleshooting

Issue: LED not lighting

Possible Cause: No power from vehicle

Solution: Check fuse, ignition key position

Issue: Some LEDs not lighting

Possible Cause: Faulty trailer wiring or bulb

Solution: Inspect trailer wiring and bulbs

Issue: Voltage indicator not lighting

Possible Cause: No 12V power from vehicle

Solution: Verify 12V fuse and vehicle wiring

Issue: 12V port not working

Possible Cause: Overload or blown fuse in vehicle

Solution: Check vehicle's accessory fuse

### Specifications

- Input: 7-Way Blade (Standard RV Style)
- Outputs: 4/5 Flat Pin, 12V Cigarette Lighter Port
- Operating Voltage: 12V DC
- LED Indicators: 7 Circuit LEDs + 1 Voltage Indicator
- Materials: ABS housing, weather-resistant design

### Support

Email: [support@mastertailgaters.com](mailto:support@mastertailgaters.com)

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