

Steam-Brite.com

Power Joiner & GFCI Quick Guide

This guide explains why GFCI outlets may not work with power joiners and what safe, code-compliant options are available.

IMPORTANT: This is the #1 reason customers think the unit is defective — it is NOT defective.

Key Point: Most power joiners will not operate correctly on GFCI-protected outlets because they combine two separate circuits.

Why GFCI Trips:

GFCI outlets monitor current balance. Power joiners can create a mismatch between outgoing and returning current, which causes the outlet to trip even when the unit is working properly.

Common Situations:

- Garage workshops (all outlets are GFCI)
- EV charging setups
- Temporary jobsite power

Safe, Code-Compliant Options:

- Use a non-GFCI circuit where permitted
- Install a dedicated 240V outlet
- Consult a licensed electrician

DO NOT:

- Do not assume the unit is defective
- Do not exceed amp limits
- Do not modify wiring unless qualified

Reminder: Always verify voltage, amp draw, and outlet configuration before use.

Disclaimer:

Steam-Brite provides this information for educational purposes only. All electrical work should be performed by a licensed electrician and must follow local electrical codes.