Travel Power

> This is automatically populated from the Power section.

We all know that you can have multiple projectors on the same circuit if you do your math correctly or if you have a higher amperage circuit, but for most situations, you either have a 15 or 20 amp circuit and it's usually not dedicated so be careful.

General Warnings

> Never plug-in and power up any of these products on the same circuit simultaneously : AC, Hairdryer, Vacuum, Toaster, or Projector

Different Voltage and Dual Voltage

For most consumer products, there are two main voltages – 208 Volts and 110 Volts. Most of the world operates on 208 Volts and in the United States, Canada, Mexico and in some of South America, they operate at 110 Volts. Certain products are rated for one or the other. Some work on both. Some require a different power supply brick to work on a different voltage. Some work with limited functionality on different voltages.

Don’t ever plug-in 208v in 110v and vice versa unless the product is rated 100-240v (dual voltage), or if you have a step-up/down converter.

Some products just need a different power supply or brick if the one you have doesn’t support the voltage you need. This is better than using a step/up down. Things like: switches / wireless routers can often be adapted to other voltages using a different PSU.

International Power

As of 2023, changes in NRTL (Nationally Recognized Testing Laboratory) certification requirements have changed for dual-voltage products. Companies whose products used to be rated 100-240v, are now rated for 125v. Anker, whose power supplies I’ve been using all over the world for over a decade, are no longer rated to 100-240v in terms of their certification, but in practice are rated as 100-240v. If the voltage you need isn’t printed on a product, you might be lucky and find that it does support dual-voltage. **Always contact the manufacturer if you need to find this out**

and spec isn’t clear. I called Anker. That’s how I know!

When traveling internationally, you can use a 220v rated NEMA 5-15 power strip with the relevant adapter on the input end. Anything you plug in from there will work fine **as long as it’s rated for 110-220v.** However: you may get flagged if you try to do this in the back of a venue. You can either use a fused adapter per device (laptop adapter mode) or you can get an IEC based PDU. As long as all devices are rated 110-220v and have IECs. You can use an IEC male to IEC female into a device PSU, and then the PDU itself has its own IEC that you can swap depending on the outlets for the country you’re in.

Example IEC PDU: Tripp Lite PDU12IEC

image.png

Example IEC 5-15 Breakout That You Shouldn’t Use But Is Totally Fine If You Do Your Math And The Products Are Dual-Voltage: Toptekits C14 to 2XNEMA5-15R

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Revision #3
Created 2025-07-28 16:05:21 UTC by Cam Vokey
Updated 2025-07-28 16:07:50 UTC by Cam Vokey