Rencher Industries

USB-C PD 2.0 Sink Instructions (V1)

This product can request any voltage available to the USB PD 2.0 specification from a compatible source, and output voltage to a 2-pin Lemo (Lemo part EGG.0B.302.CLL, wired pin-1 GND).

The USB-C PD Sink will enter Quick Selection mode by default, but it is recommended that the user enters Program Mode to set the voltage to any supported value before first use via these instructions.

Program Mode:

- First, do not plug anything into the USB-C PD sink
- To enter Program Mode, hold down the Program Button while inserting a USB-C PD source cable
- The LED will flash quickly to confirm that Program Mode is activated
- To set your output voltage, you will cycle through the output options by quick-pressing the Program Button
- The color of the LED corresponds with each Mode:
    - Red: 5V, 3A
    - Yellow: 9V, 3A
    - Green: 12V, 3A
    - Green: 15V, 3A
    - Blue: 20V, 5A
    - Violet: Auto Mode - Set to the highest supported voltage
    - White: Polling Mode - Display all supported voltages in sequence
- Once LED is displaying the color that corresponds to the mode you wish to use, long-press the Program Button to save the setting.

Auto Mode:

It is not advised to plug in any 2-pin cable into the output while in Auto Mode until the output voltage is confirmed to be within range of the connected device.

When Auto Mode is activated, the USB-C PD Sink will poll the USB PD source for the available voltages and set the output at the highest available voltage.

Please note that the USB-C PD Sink does not indicate what current is available from the source, only voltage. It is recommended that the user first consults with the USB source manufacturer to

find the available current and voltage specifications for the device. This product is for professional use only.

Polling Mode:

It is not advised to plug in any 2-pin cable into the output while in Polling Mode.

Polling Mode is meant to show the user what available voltages the USB PD source can provide. The LED will flash each color that corresponds to each available voltage (color and voltage values listed in Program Mode instructions) in sequence. While in Polling Mode, the output will be active, and each available voltage will be passed through in correspondence to the LED indicator; this is useful when a voltage meter is plugged into the 2-pin output.