



**EVO-IN-MOTION**

**MEGO**

**Portable Power Supply**

**PPS-1024**

**User Manual**

This MEGO device belongs to

My Name: \_\_\_\_\_

My Contact: \_\_\_\_\_

# Introducing MEGO

MEGO is a portable power supply which can feed electrical power for low wattage circuits and electronics. MEGO is capable to generate wide output DC voltage from 4V to 24V. The device is also designed to be compatible with standard breadboards so you are no longer bothered with the many headache wires on your circuit.

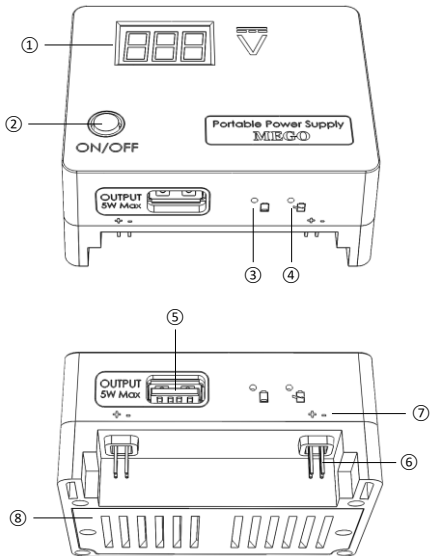
## Before your first use

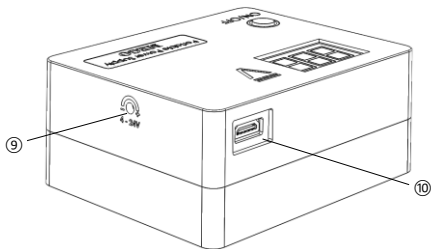
**Check your box. A MEGO device is coming along with the following accessories:**

- MEGO device x 1
- Flat-head screw driver x 3
- Micro USB cable (Input) x 1
- USB to Alligator clips (Output) x 1
- USB to DC Jack (Output) x 1
- User manual x 1

**Read the user manual carefully before using the device**

## Getting to know your device

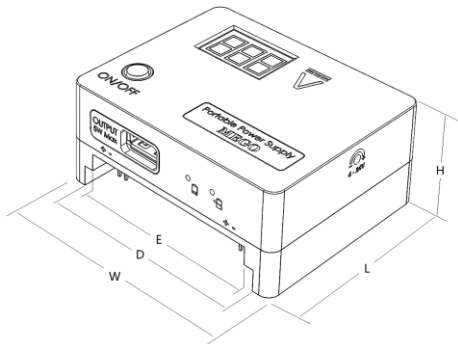




- ① Output voltage display
- ② Power push button
- ③ Low battery indicator (amber light)
- ④ Running/charging indicator (blue light)
- ⑤ Output USB connector (has same voltage as ①)
- ⑥ Breadboard power rail connection pins
- ⑦ Voltage polarity of ⑥
- ⑧ Battery lid
- ⑨ Output voltage adjusting knob
- ⑩ Input Micro USB connector for charging the device

# Specifications

## Dimensions



Parameter	mm (inches)
W	73 (2.87)
L	59 (2.32)
H	32 (1.25)
D	62 (2.44)
E	56 (2.20)

Gross weight: 100g / 3.5oz

## Electrical Specifications

Electrical Specifications	
Output Voltage	4-24VDC
Maximum Power	6W
Overload Protection	Yes
Short Circuit Protection	Yes
Battery Capacity	7.4Whs
Typical Power Efficiency	88%
Voltage Display Accuracy	within 1%
Ripple Voltage *	within 1%
Load Regulation **	65mV
Operating Temperature	-15 to 45 C
Storage Temperature	-20 to 50 C

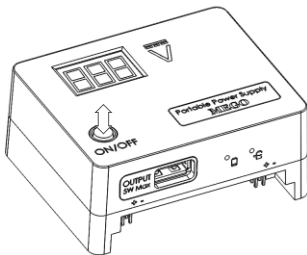
\* Measured under  $V_{OUT} = 5V, 9V, 18V$

\*\* Measured at  $V_{OUT} = 5V, I_{OUT}$  from 10mA to 1000mA

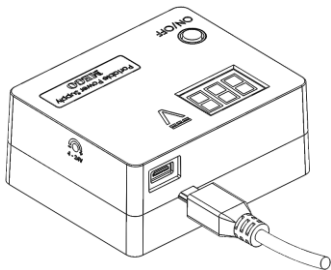
Note You can use the standard 5V cellphone charger to charge MEGO, and it typically takes about 2.5 hours for MEGO to be fully charged. Charging via laptop USB port takes longer time since laptop USB ports source less current

## How to use the device

To turn ON/OFF the device

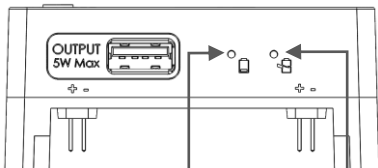


To charge the device





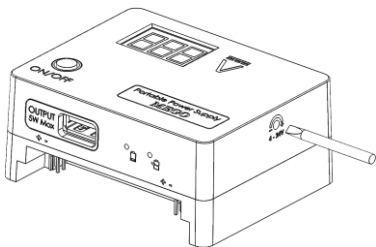
## Meaning of the LED indicators



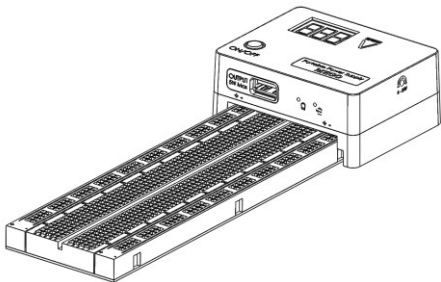
Low battery indicator: amber light turns on when MEGO is in low battery condition.

Running indicator: blue light turns on while MEGO is operating, or the device is being charged

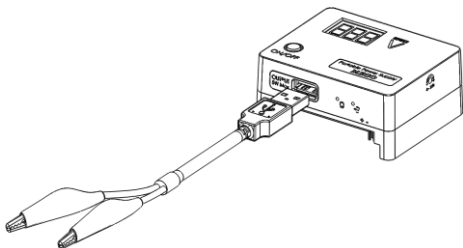
## To adjust the voltage



To use with a standard breadboard



To power non-breadboard circuits



Note: When connected the alligator clip onto MEGO, Black terminal is the lower potential (ground) and Red terminal is the higher potential (output voltage displayed on the screen)



## Warnings

- Keep the device out of the reach of children
- Do not use a cable to connect USB Output port to USB Input port
- Do not charge your phone if you set output voltage higher than 5V
- Do not throw or place heavy weights on the device
- Do not immerse the device in water
- Do not operate the device in wet hands
- Do not operate the device beyond the range of Operating Temperatures (see Electrical Spec.)
- Do not disassemble the device unless you are a trained professional

- Refer all servicing to qualified personnel. Servicing is required when the device has been damaged in any way
- Do not operate the device near any heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat
- Only use attachments/accessories specified by the manufacturer
- Do not charge the device during lightning storms
- Immediately turn off the switch if the device emits smoke, strange sounds or other anomalies. Under no circumstances attempt to repair it yourself. Contact the retail outlet where the device was purchased
- While in use, the product may heat up a little. If the product becomes very hot, stop using it immediately.
- Do not twist, pull, or squeeze the attached cables

- If damaged, discontinue use. If the functions alter or the device has been damaged in any way, please contact the retail outlet where the device was purchased.
- Dismantling or repairs must not be attempted at any time.
- Do not insert raw metal or flammable objects into the ports.
- If the attached cables become damaged (if the connection is poor or it breaks), immediately stop using the device. Electrocutation or fire could occur
- Do not place the cables near a heating device. It may cause the device enclosure or components to melt
- Do not leave the device in a car with closed windows, in direct sunlight, or other places of extreme heat
- If not using the device for a prolonged period, turn off the device and disconnect all attached cables

- Ensure the device is set up on a stable surface.
- Clean only with dry cloth. For stubborn stains, use a soft cloth dampened with a weak solution of mild detergent and water. Dry the device immediately afterwards with a clean cloth
- This device is not intended for use by persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the device by a person responsible for their safety

## ONE YEAR LIMITED WARRANTY

THIS PRODUCT WARRANTY EXTENDS ONLY TO THE ORIGINAL CONSUMER PURCHASER OF THE PRODUCT.

CONDITIONAL UPON NORMAL USE, THIS PRODUCT IS WARRANTED TO BE FREE FROM DEFECTS IN MATERIAL OR WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM THE DATA OF PURCHASE ON SELLER'S RECEIPT.

THIS WARRANTY SHALL BE INVALID IF THE PRODUCT IS DEFECTIVE AS A RESULT OF UNREASONABLE USE, MISUSE, NEGLIGENCE OR OTHER CAUSES NOT ARISING OUT OF DEFECTS IN MATERIALS OR WORKMANSHIP. THIS WARRANTY DOES NOT COVER FAILURE CAUSED BY USERS CIRCUITRY AND EXPERIMENTAL SETUP.

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**Patented Technology**

**Invented by Proudly Canadian Company**

# Contact Us

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