

MINIPAK

USER GUIDE

SYSTEM OVERVIEW

The MINIPAK micro-fuel cell power supply is a universal handheld charger and power extender compatible with devices requiring DC 3.8V-5V and up to 2W power input. The system includes several adaptor tips for charging different cellphones, GPS, digital cameras, etc., and can power numerous 5V DC devices.

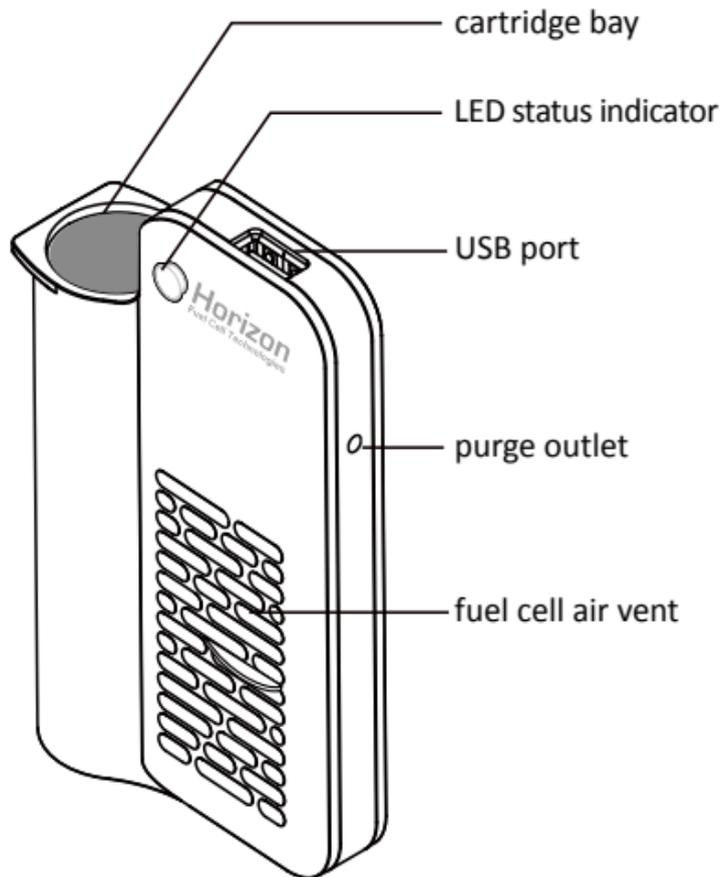
Please read the following information carefully to avoid potential damage to the device.

LED status indicator light:

- Flashing red = Start up/Shut down
- Flashing blue = Ready
- Continuous blue light = Working

Accessories included in this box:

- MINIPAK sealable protective bag
- Cellphone charging tips (iPhone tip not included)
- Mini USB lamp
- USB cable



SPECIFICATIONS

MINIPAK® handheld fuel cell power supply	
Rated Net Power	Up to 2W
Voltage Output	3.8-5V
Size (Dimensions)	13in ³ (4.5x2.7x1.1 in)/214 cm ³ (11.5x6.9x 2.7 cm)
Weight (without cartridge)	4.2 oz / 120g
Weight (with cartridge)	7.9 oz / 225g
Electrical Interface	USB port
User Interface	LED status indicator
Operating Environment	0-35°C

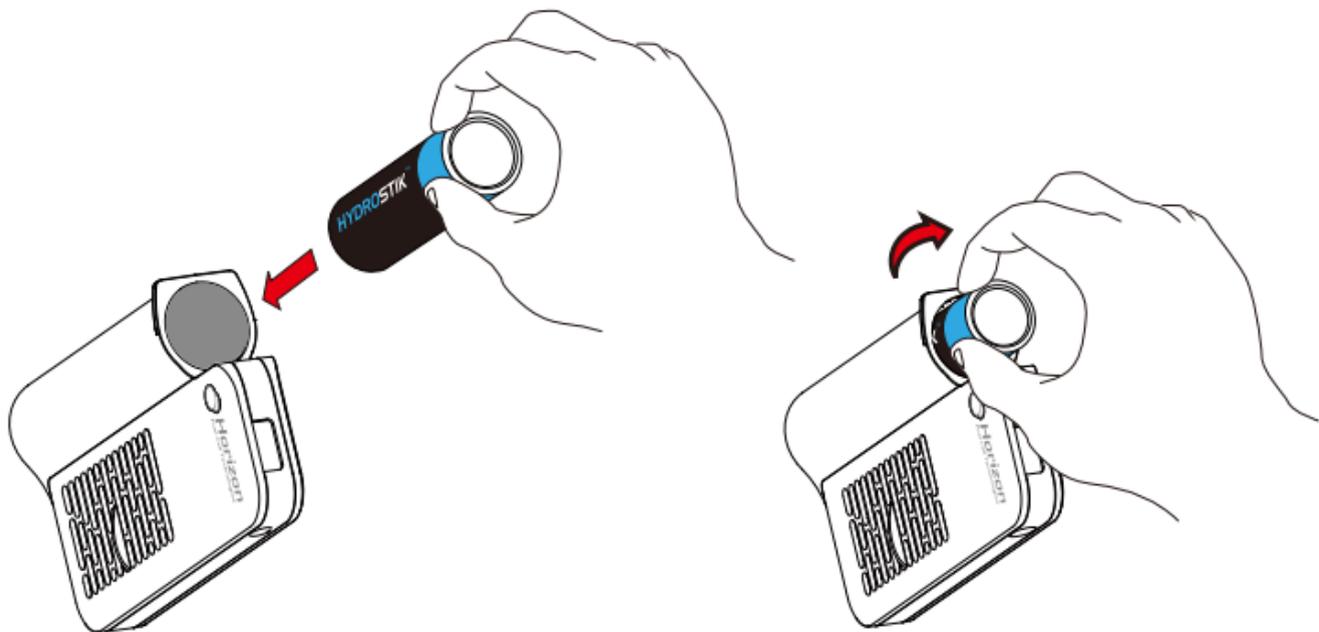
The specifications are subject to change without notice.

SAFETY & MAINTENANCE: Read carefully before proceeding

- Use the original iPhone cable for charging iPhone.
- Fuel cartridge contents are flammable.
- Avoid contact with contents.
- Do not expose to temperature above 50 °C or open flames.
- Keep away from children.
- Follow usage instructions.
- Do not tamper, disassemble or puncture the MINIPAK or HYDROSTIK.
- Keep MINIPAK and HYDROSTIK away from fire, open flame, or heat source.
- The MINIPAK shall be used in a well-ventilated area.
- Wait for LED indicator to flash blue before connecting external devices.
- Do not connect while red light is flashing.
- Remove HYDROSTIK immediately after use.
- Do not keep used or empty HYDROSTIK connected to MINIPAK.
- Carefully store the MINIPAK in the protective bag after use, store HYDROSTIK separately.

ACTIVATING THE MINIPAK

Insert fully charged HYDROSTIK into the cartridge bay and turn clockwise until it is tightly secured. Once LED status indicator light starts flashing red, please screw the canister by one more thread. Wait for LED to flash blue. If the LED does not flash blue for more than 1 minute, re-connect the HYDROSTIK and make sure it is tightly secured.



USING THE MINIPAK TO CHARGE OR POWER YOUR DEVICES

A. HYDROSTIK should be connected and a blue light should be flashing.

(Do not connect if red light is still flashing)

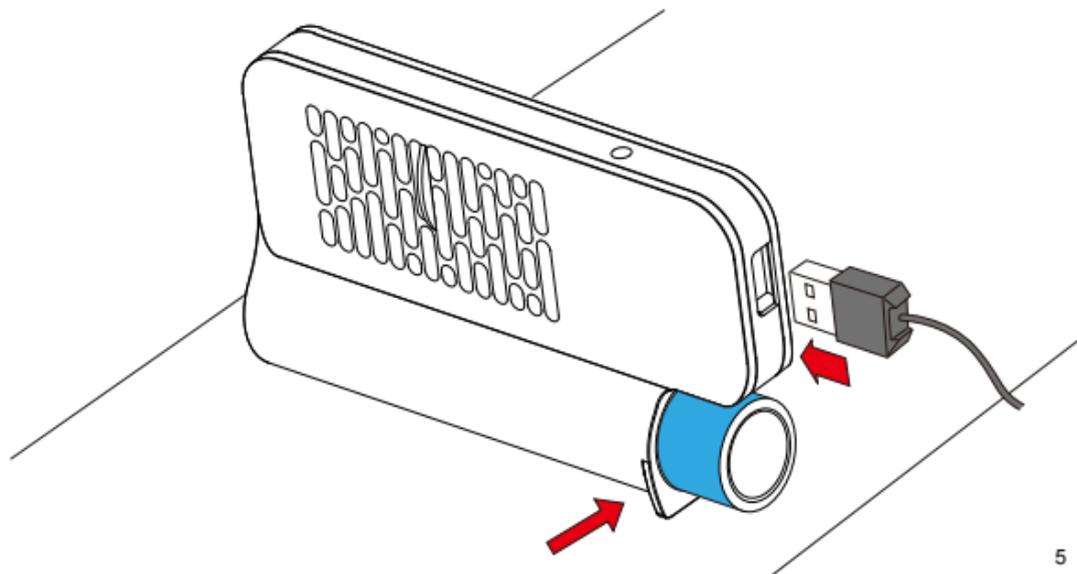
B. Connect your device to MINIPAK with a USB cable.

C. Place your MINIPAK in an upright position for optimal performance.

D. After use, remove HYDROSTIK from MINIPAK. The indicator light will turn off in one minute.

Note:

If the blue light turns to red during operation or at the beginning, make sure the canister has hydrogen in it and screw the canister by one more thread to make sure it is tightly secured.



NOTES:

- To avoid permanent damage to your MINIPAK, please make sure the HYDROSTIK is removed from the MINIPAK system immediately after use. Failing to do so may permanently damage your MINIPAK.
- Air vents located on either side of the MINIPAK need easy access to ambient air.
- Do not cover MINIPAK with anything when it is in use.
- Fuel cells combine hydrogen and oxygen to generate water, heat and electricity. It is normal to see condensed water droplets.

STORING YOUR MINIPAK AFTER USE

- A. Make sure to store MINIPAK in the protective bag provided and seal it tight if not used for more than a week.
- B. Keep HYDROSTIK stored separately.

REFILLING EMPTY HYDROSTKS

- A. HYDROFILL (sold separately) can be used to refill your HYDROSTIK. Check with your vendor for availability.
- B. Contact your vendor for local refilling solutions nearby.

TROUBLESHOOTING

• *INDICATOR LIGHT CONTINUES TO FLASH RED, DOES NOT FLASH BLUE*

Solution 1: Make sure HYDROSTIK is tightly secured in the cartridge bay.

Solution 2: Check whether MINIPAK is placed upright and whether both sides of MINIPAK has sufficient access to air.

Solution 3: Check whether purge outlet is covered.

Solution 4: Remove HYDROSTIK from MINIPAK, wait for red light to come off, and insert HYDROSTIK again. If it does not work, the HYDROSTIK might be empty, replace it with a full one.

• *INDICATOR LIGHT DOES NOT TURN ON AFTER HYDROSTIK IS SECURED*

Solution 1: Make sure HYDROSTIK is tightly secured to the MINIPAK.

Solution 2: Use a fully charged HYDROSTIK.

Solution 3: You may have left HYDROSTIK connected to the MINIPAK without using the system for long time, which might have damaged the fuel cell.

• *WATER DROPLETS START TO FORM UNDER THE MINIPAK*

Solution: Position the MINIPAK upright during operation so both its air vents can access ambient air.

• *MY DEVICE DOES NOT CHARGE WHILE THE BLUE INDICATOR LIGHT IS ON*

Solution 1: Make sure HYDROSTIK is tightly secured and it is operating appropriately.

Solution 2: Some devices, like iPhone 4, sometimes may show "Charging is not supported with this accessory", however, as long as the blue light is ON, MINIPAK is still charging but at a slower speed. Use the original iPhone cable for charging iPhone.

Solution 3: Please also try disconnect and reconnect your device with MINIPAK, the error message may go away after that and your device will be charged at normal speed.

• *THE MINIPAK SURFACE IS WARM*

Solution: The fuel cell will heat up during operation, this is normal.