
12 Turn the Instrument on

12.1 Turn the PSY1 ON

The PSY1 has a physical power switch located inside the USB communication access port. To access this switch remove the communications access port bung by unscrewing the bung.

NOTE 15: the bung consists of two parts (a) the bung which is the knurled large portion of the bung and (b) the smaller Gore-Tex cap. You must unscrew the whole bung by turning the larger knurled portion of the bung otherwise you will not gain full access to the communications port.



Photo 17: The Power switch is located below the knurled bung.

The power switch is located above the USB port. It is a small black button.

NOTE 16: In most cases the user should be able to use their finger to reach inside the communications access port. The point of the finger can rest gently on the USB port allowing the fingernail to rock forward and depress the switch. VERY LITTLE force is required to depress the power switch. If you find this technique difficult you can use a small flat blade screw driver or tweezers supplied by ICT to gently depress the switch.

To turn the PSY1 on, press and hold the switch for approx 1 second. You will see the **Green** LED turn on. The LED will remain **Green** for approx 10 to 15 seconds before turning off. The LED will then Flash **Green** once every 10 seconds to confirm that the unit is powered on.

**Power Switch: Small
Black Button Located
above USB Port**



Photo 18 PSY1 Power Switch

NOTE 17: The PSY1 can also be automatically powered up by connecting it to a 12V DC power supply. This can either be in the form of a 12V DC mains power plug pack, a solar panel, solar panel & 12V battery direct to the instrument or through a shared power distribution system in which a large solar panel and battery provide power through a distributed (wired) network to any or all instruments connected ([see Charging – Powering the Instrument](#)).

12.2 Turning the PSY1 **OFF**

The PSY1 DOES NOT turn off automatically. If external power is disconnected from the instrument it will continue to operate from and discharge the internal battery. It **MUST** be turned **OFF** manually. This can be done by using the power switch. To turn the device off press and hold the power switch for approx. 3 seconds. The LED will alternately flash **Red** then **Green** for a few seconds before stopping and all lights are extinguished.

The PSY1 can also be turned off via the GUI software. From the File menu select “Power-Off PSY1”. The LED will alternately flash **Red** then **Green** for a few seconds before stopping and all lights are extinguished. The Instrument will turn off. Confirmation of this is positively reinforced by the software automatically disconnecting. No further current will be drawn from the internal battery. The Instrument is now ready for transport or storage.

NOTE 18: Whilst the PSY1 is connected to external 12V power it cannot be turned off either by using the manual power switch or the software function. Pressing and holding the power switch will just display a **Green** LED. Using the software will display the warning “External Power Connected” and the software will not automatically disconnect.