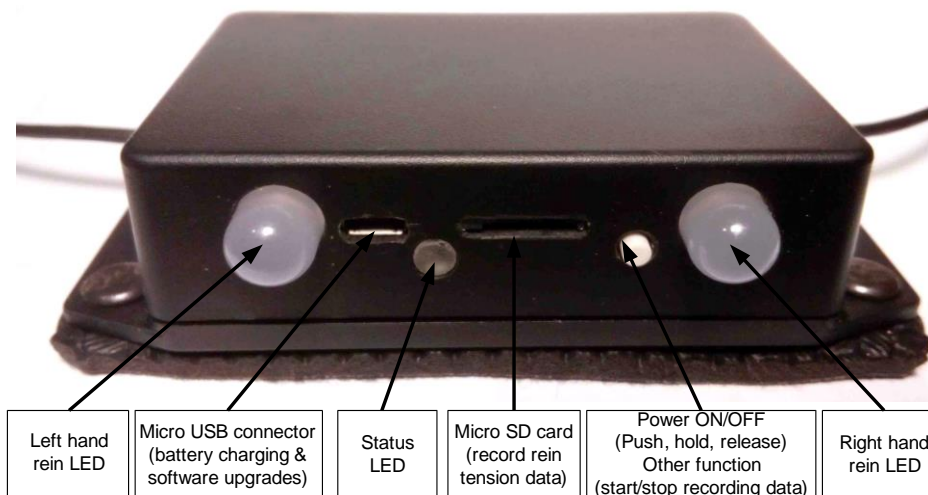**Prior to turning the unit on, and for the first few seconds after turn on, remember that the reins must be resting, with no tension on them at all.**

| Left hand rein LED | Micro USB connector (battery charging & software upgrades) | Status LED | Micro SD card (record rein tension data) | Power ON/OFF (Push, hold, release) Other function (start/stop recording data) | Right hand rein LED |

To turn the unit 'ON', gently push down on the white 'Power ON/OFF' button for about 5 seconds until the Left-hand rein and Right- hand rein LEDs start alternately flashing red, then release the button. During this interval, do not touch the reins. Following that, the left and right-hand rein LEDs cycle through the colour spectrum that will be observed in use. Once this cycle completes, the LEDs both display blue, and the unit is ready to use.

To turn the unit 'OFF', gently push down on the white Power ON/OFF button for about 5 seconds until the rein LEDs extinguish, then release the button.

Rein tension on start up.
When the unit is turned on, the two large LEDs will blink red alternately for a few seconds, during this interval, the reins should be hanging freely, with no tension on them. This allows the unit to measure the resting rein tension, it 'zeros' the readings, commonly called the Tare, and is critical for the correct operation of the unit. If the unit is to be used for many hours continuously, and in particular if the air temperature changes markedly over this time, it would be a good idea to turn the unit off, rest the reins, and turn it back on again every so often. This will keep the rein tension measurements as accurate as possible.

Battery charging.
If, on turning the unit on, the small 'Status LED' is RED, then the unit needs charging, the battery is nearly flat. Turn the unit off and recharge the battery as described below. In the event that the unit does not start at all, then the battery is completely flat, again, proceed as described below.

Plug a Micro USB cable into the 'Micro USB connector' as shown in the photo above, and plug the other end of the cable into a USB charger (or a computer), at this point the 'Status LED' will glow blue, indicating that the internal battery is charging. When the battery is fully charged, the 'Status LED' will extinguish. Charging takes about 3 hours. The fully charged unit should run for over 12 hours.

Recording Data.
With a micro SD card inserted into the SD connector, it is possible to record data for subsequent analysis and storage on a PC. The card must be inserted prior to powering up the unit, and it must be initialised as described in the full document on data recording. To record, momentarily press the power on/off button, to stop recording, again momentarily push the power on/off button. This process may be repeated up to 99 times.
The status indicator will be green when the card is in the record state. If the status indicator blinks green, the card cannot record, the possible errors are discussed further in the full document on data recording.