

# SKYWATCH<sup>®</sup> BL

SWISS  MADE

## Quick-start guide for the BL-1000

The Skywatch BL-1000 is a high precision equipment which has been created using the most modern technology. It has been designed to stand up to intensive use. However, in order to maintain its appearance and its precision, we recommend that you treat it with care and read this quick-start guide carefully.

## Carry-case contents

This contains:

- Skywatch<sup>®</sup> BL-1000 with pre-mounted carbon-fibre wind guide
- Pivot rod with ¼" thread
- Quick-detach omnidirectional support
- Support mounts (2) for flat or curved surfaces with 3M<sup>™</sup> VHB<sup>™</sup> adhesive
- Micro-USB charging cable

## Assembly

Ensure that the the knurled knob at the base of the BL-1000 is turned to the 'unlocked' position and insert the pivot rod:



Turn to 'off' to lock the pivot rod in position:



## Application installation

Please visit the [Google Play Store](https://play.google.com/store/apps/details?id=com.skywatchguard) and search for **Skywatch Guard** by JDC Electronic SA. Download and install the application on your Android<sup>™</sup> smartphone or tablet.

## Compass calibration

☰>Sensors>I > Compass calibration > Start

## Skywatch<sup>®</sup> BL-1000 activation

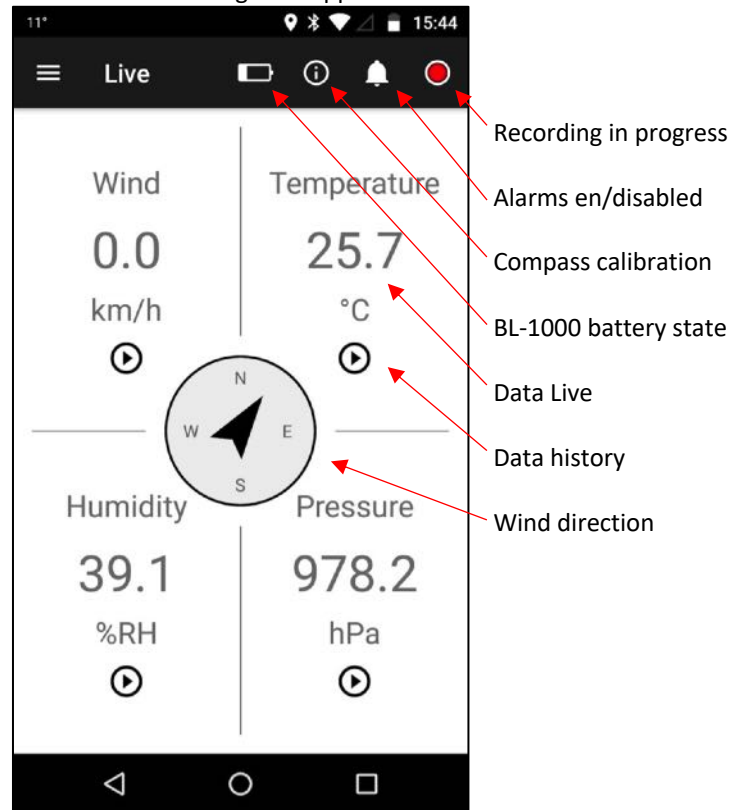
Turn on the BL-1000 by turning the knurled knob to the 'On' position.

This locks the pivot rod and the light at the base of the unit should blink quickly. A blue colour indicates the device is fully charged; a red colour indicates the battery is low and should be re-charged:



## Application launch

A 'connection' message will appear until the BL-1000 is connected

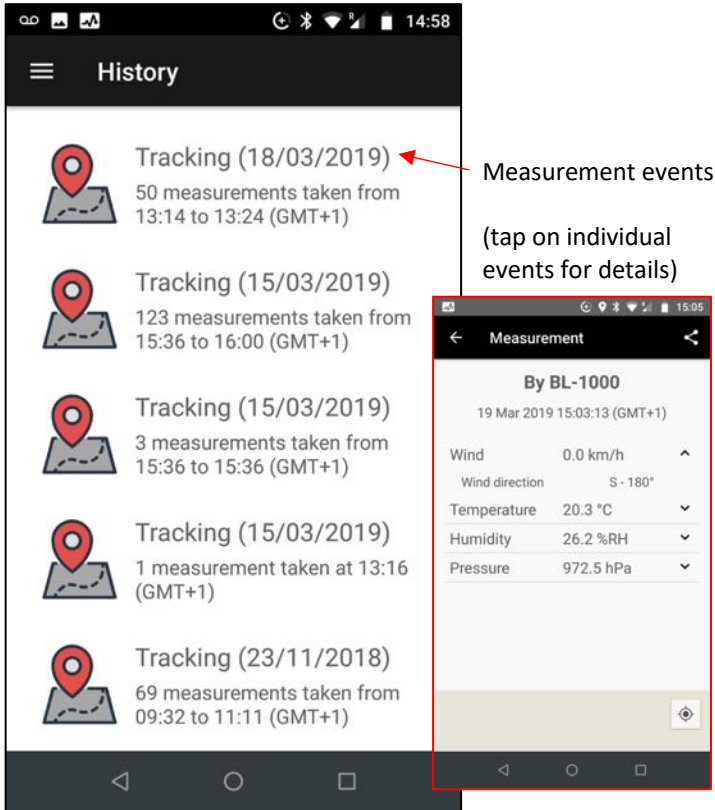


## Application connection to BL-1000

In the case of a 'sensor not found' message please turn off then on the BL-1000 and ensure the light on the BL-1000 unit base flashes.

## Measurement history

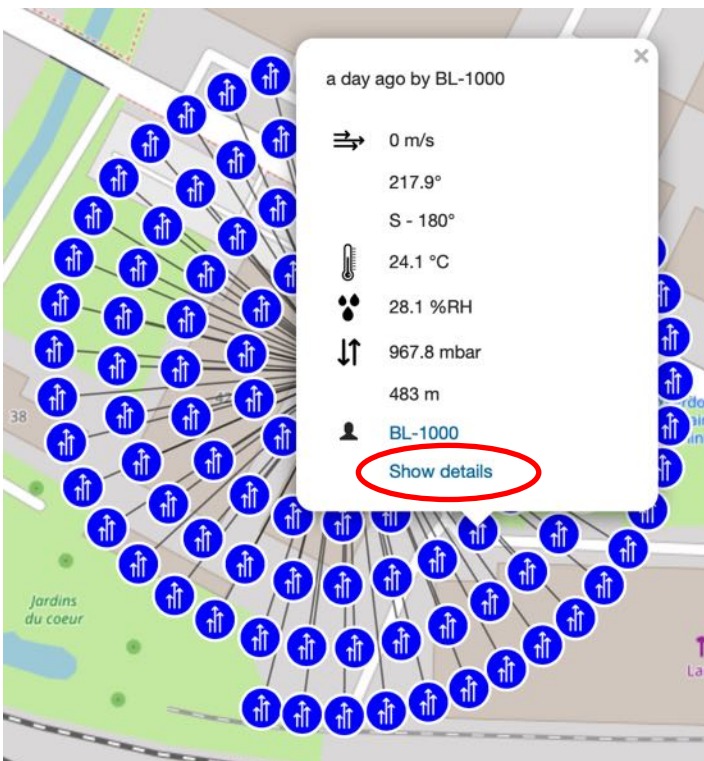
Data is stored both on the Android device:



And in the cloud on the [bl.skywatch.ch](http://bl.skywatch.ch) web-site (please create a *free* account first and update in the settings)

## Measurement CSV-data download

On the 'Map' tab click 'Show details' and then [Show full path](#)

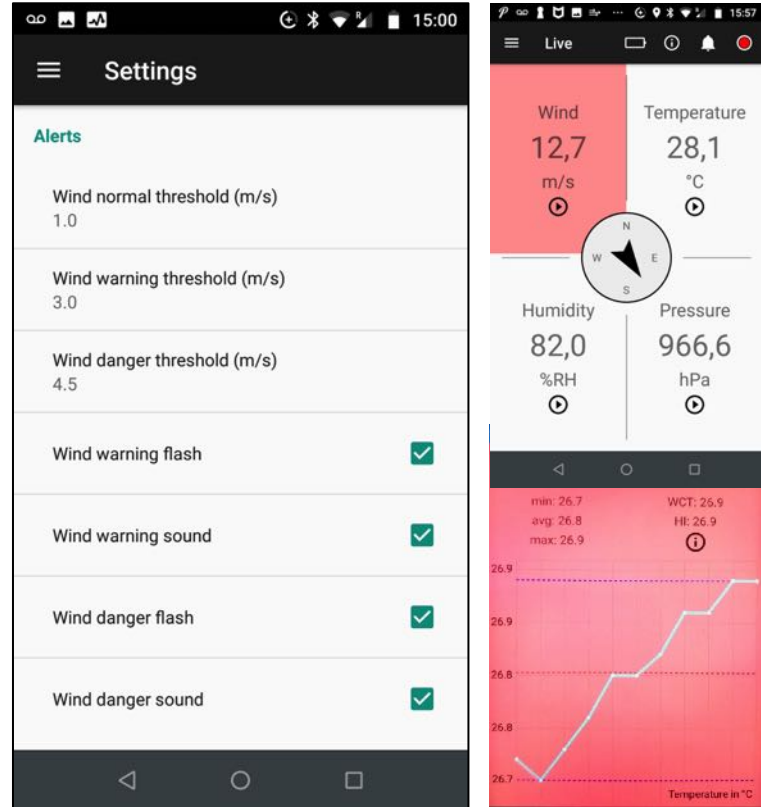


Click to download the measurements to a local file:



## Wind-Speed Alarms

Visual (screen flash) and audio (alarms) are individually configurable (yellow for warning and red for danger) and flash in Live and Chart modes:



## Battery-charging

Turn the BL-1000 knurled knob to unlock, exposing the micro-USB connector. The light at the base of the unit will glow red during charging and extinguishes when the unit is fully-charged.

## Sensors

- Wind speed & direction 3 km/h to 150 km/h ( $\pm 3\%$  accuracy)
- Temperature -25C to 60C ( $\pm 3C$  accuracy)
- Humidity 0% to 100% HR  $\pm 3\%$  accuracy (10-90 %HR)
- Pressure 300 mbar to 1200 mbar ( $\pm 0.2$  mbar accuracy)

## Application features

- Instantaneous measurement of wind speed, wind direction, temperature, barometric pressure and humidity.
- Graphical display of measurements with instantaneous, minimum, maximum and average values.
- Wind alerts (audio and visual) with two programmable levels
- Tracking mode with automatic recording of measurements and GPS coordinates.
- Display all measurements made with history on [bl.skywatch.ch](http://bl.skywatch.ch) (position based upon Android™ device location)

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