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SWISS  MADE

## Wind Alert

Protect persons and property subject to strong winds



**JDC ELECTRONIC SA**

Avenue des Sports 42  
1400 Yverdon-Les-bains  
Switzerland

phone: +41 (0)24 445 2121  
[www.jdc.ch](http://www.jdc.ch) - [info@jdc.ch](mailto:info@jdc.ch)



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# Wind Alert

## General description



- Designed for multidirectional wind measurements thanks to a unique propeller design.
- Helps to ensure safety on building sites, particularly on scaffolding, cranes and other infrastructures where being caught in the wind can lead to accidents.

To meet the new safety requirements for the protection of people and property, JDC Electronic has developed an alarm system to warn workers of winds that could pose a safety hazard.

The alert is given by a strident audible signal and LEDs: orange for the pre-alarm and red in the event of imminent danger.

Alarm levels, both visual and audible, and their duration can be configured via a USB connection to a PC running the dedicated application supplied.

Battery status is indicated by a green LED.

Swiss Made' product, 2-year warranty. USB cable and stand included.

The PC application is available for download at [JDC.ch](http://JDC.ch)

## Measurements

This instrument has been designed to measure the force of the wind in all directions, both horizontally and vertically (swirling winds and rolls of air).

## Alarms

The maximum number of alarms is 1300. The alarm setting range is available between 3 and 100 km/h wind. An alarm can last from 0 to 10 minutes. Sound and light are independently adjustable.

Precise time stamping of alarms and measurements, resynchronisation possible when the device is connected to a PC.

## Componant Wind Alert



## Fields of application

- Open air
- Sports activity sites
- Drone flights
- Larges ladders
- Platforms
- Cranes
- Scaffolding
- Working at height
- Landscapers
- Suspended bridges
- Exhibition sites under tents
- Outdoor storage of goods

## Battery indicator

The battery indicator is fitted with a green LED that provides a visual signal of the battery status. When the battery is in good condition, the LED flashes at a rate of 1 times every 2 seconds. However, when the battery level becomes low, the flashing frequency slows down to 1 time every 4 seconds. This feature allows users to easily monitor the battery level and know when it's time to replace it.

We strongly recommend that you replace the batteries in your device every year. To do this, manually unscrew the small screws at the bottom that hold the half-spheres together. Then separate the top and bottom half-shells to access the batteries and replace them with new AA batteries.

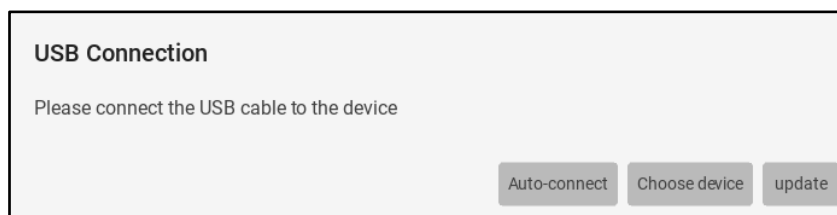
Storage tip: If you wish to store your device for long periods, it is advisable to remove the batteries first. Please note that removing the batteries will erase the date and it will therefore be necessary to reconfigure it.

## How to use (application)

When you want to plug in the device to retrieve data, you need to stand it upright in or outside its case. Connect the mini-USB cable (located under the green LED) to your PC. The green LED should go out once this connection has been established.

To recover your data or configure your device:

1. Connect to your PC using the USB cable supplied.
2. Open the **Wind Alert** application and click on **Update > Choose device**.
3. If you do not know which USB port your device is connected to, simply select **Auto-connect**.



4. Once the application has started, a window like the one shown above should appear. Select the desired wind speed unit by clicking on it.
5. Then set the pre-alarm and alarm parameters according to your preferences using the sliders. Note that a pre-alarm cannot have a trigger threshold than that of the alarm.
6. If necessary, synchronise the date on your device with that on your computer by clicking on Synchronise at bottom right.

The screenshot displays the WindAlert software interface. At the top, there are unit selection buttons for km/h, m/s, mph, fps, and knots. The interface is divided into two main sections: parameter settings and recorded alarms.

**Parameter Settings:**

- Pre-alarm parameter:** Wind threshold (27 km/h), Sound duration (45 s), Light signal duration (380 s).
- Alarm parameter:** Wind threshold (54 km/h), Sound duration (56 s), Light signal duration (180 s).

Each parameter is represented by a vertical slider with a numerical value and a corresponding colored bar (yellow for pre-alarm, red for alarm). Below the sliders are labels for 'Wind threshold', 'Sound duration', and 'Light signal duration'.

**Recorded Alarms:**

No.	Date & Time	Wind Speed	Duration	Type
1	2025-03-04 08:38:26	53 km/h	380 s	Prealarm
2	2025-03-04 08:38:54	73 km/h	180 s	Alarm

Below the table are navigation controls: 'Rows per page' set to 2, '1-2 of 2', and buttons for 'Refresh', 'Export', and 'Delete'.

At the bottom, there is a 'Parameter state' section with a 'Synchronise' button and an 'Update parameters' button. On the right, there are 'Date computer' and 'Date RTC' fields, both showing '2025-03-04 08:39:55', with a 'Synchronise' button between them.

## Storage

To store Wind Alert in its case, attach its clip to the rotation pin on the box.

Tip the device into its case on the magnet side, with the green LED facing upwards.

If your device is stored correctly, the red, orange and green LEDs should light up briefly. If this is the case, you can close it: your device is switched off. If not, correct the position so that the green LED is pointing upwards.



## Technical specifications

### General information about the appliance

Dimensions	Wind alert : Ø 70 mm x 120 mm Clamp and ball joint : 107 mm Spacing : 40 mm
Weight	Wind Alert : 200 g Clamp and ball joint : 140 g
Protection class	Weatherproof
Materials	Wind Alert : Polycarbonate Box : Polypropylene
Power supply	2 batteries AA
Communication protocol	USB-B mini
Type of measurement	Wind speed from 10 to 100 km/h
Units	Knots, m/s, km/h, mph, fps
Clock	Internal, quartz
Operating temperature	-40°C to 60°C
File format	CSV

### Autonomy

Without an alarm, the device powered by 2 AA/LR6 batteries can operate for around 2 years before the battery runs down. However, we recommend that you change the batteries every time you use the device, and every year.

With the LEDs on and the audible alarm active, maximum autonomy is 65 hours.

## Technical support

### Warranty

Your **Wind Alert** is guaranteed by JDC ELECTRONIC SA for two years from the date of purchase against all manufacturing defects. The warranty does not cover damage caused by incorrect use. JDC ELECTRONIC SA can in no way be held responsible for any consequences, direct or indirect, nor for any damage that may result from the use of this instrument or from any defect or breakdown thereof.

If you have any problems or technical questions, please contact us directly:

E-mail: [info@jdc.ch](mailto:info@jdc.ch)

Phone number : +41 24 445 21 21

