

# SPORTident Station - BS11-LA (Loop antenna)

## Description

- As part of the SPORTident AIR+ product family, the SPORTident Station BS11-LA (beacon with loop antenna) features **contactless registration of time records**.
- The station works together with the SPORTident ActiveCard (SIAC), which records the stations' signal when crossing a 6 metres (or 9 metres) wide antenna loop, allowing for accurate timing even with wide finish lanes.
- The BS11-LA station operates unattended once set up and switched on.
- The station works with an **unlimited number of SIACs** simultaneously.
- The station is configured, updated and recharged via USB.
- The companion PC software SPORTident Config+ gives access to the full configuration of the station, including two different operating modes, allowing for flexible and advanced use cases.
- The BS11-LA does not record passing SIACs. The **time records** are registered and stored on the SIACs only. However, the SIAC can send its records via radio to a SPORTident SRR (short range radio) dongle or GSM modem when passing a BS11-LA station.
- The BS11-LA is easy to carry around and set up, as the foldable loop antenna and the letter-sized station are supplied in a practical case.
- It is typically mounted at the side of the track, with the loop antenna laid out on the ground perpendicular to the track. The ground loop should always be covered with a mat or buried in the ground or snow.
- The station is water-proof, robust and with an **operating time** of up to 90 hours on one battery charge.





## Specifications

Internal power supply	Rechargeable lithium battery
Battery capacity	4500 mAh
Recharging battery	5 V +/- 5 % and minimum 500 mA
Operating time	90 hours
Time accuracy	1 second per 7 days when operated between 15°C and 30°C
Connectors	Mini USB, Loop-antenna
Operating range	- 20°C to + 50°C
International protection class	IP 64 (DIN EN 60529) Protection against penetration of dust Protection against splashed water from all directions
Dimensions	Station: 228 mm x 278 mm x 38 mm Loop antenna: width 6 or 9 m, height 9 mm, depth 70 mm
Weight	Station: 960 g Loop antenna 6 m: 1300 g Loop antenna 9 m: 2200 g
Registration range	Width of field (and antenna): 6 metres Height of field (above antenna): 2.5 metres Depth of field (perpendicular to antenna): 2 metres
Operating modes	Beacon Start, Beacon Finish, Beacon Control
Software support	SPORTident Config+ v2.0 and later

## SPORTident BS11 firmware 702 release notes

### Overview

SPORTident has released a new firmware for the following devices - BS11-BS: SPORTident base station series 11 (Beacon small) - BS11-BL: SPORTident base station series 11 (Beacon large) - BS11-LA: SPORTident base station series 11 (Loop antenna)

Update to the latest firmware is supported for all listed device families running firmware 300 and later.

The new firmware version is available through the firmware update feature of the SPORTident



Config+ application. We recommend to use the latest available version of Config+ available at the [SPORTident website](#).

SPORTident Config+ version 2.5.1 or later is required to update your BS11 stations to this firmware version.

To connect older BS11 stations to your computer, you need to install a USB device driver. SPORTident supplies a driver for Windows operating systems (Windows 2000 up to Windows 10). It is included in the setup of Config+ or can be downloaded at the [SPORTident website](#). Current BS11 stations (produced since Aug 2014) feature an HID connection and do not require additional drivers.

Linux users can use the generic CP2102 device driver that is shipped with their distribution. Mac users can use the Silicon Labs driver for CP2102 that is available at [www.silabs.com](http://www.silabs.com).

Be aware that SPORTident does not provide support for Linux and Mac operating systems.

Please refer to the [firmware update section](#) to find instructions on how to update your firmware.

## Changelog for 702 since 320

Please also refer to our [organizer guide](#) with detailed information about the latest firmware features.

### Improvements

- higher accuracy of real time clock by factory calibration
  - time drift is 1 second per week with 15 - 30°C
- dedicated mode BC\_SLAVE introduced
  - to use gate mode with BS11 BL, the slaved station must be set up as BC\_SLAVE now
  - no automatic configuration of gate master and slave anymore
  - this prevents accidentally misconfiguration on site
- exclusive support for AIR+ operating modes
- a battery status indicator has been introduced
- a battery low warning icon has been introduced
- information shown on the display has been optimized

### Fixes

- wrong calendar has been fixed



- several other minor fixes