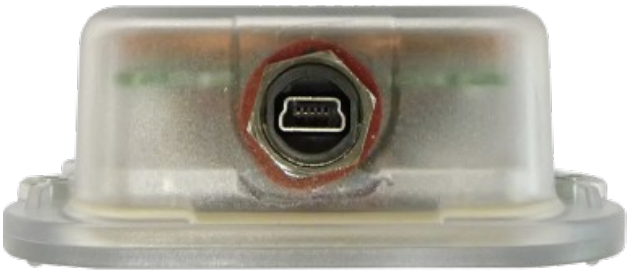
SPORTident-Station BS11-BS blue

April 2016

Identification at check points in outdoor sport disciplines like trail, biking and skiing is slightly different than in orienteering. In general passing speed is higher and control points are more line elements than filigree objects. The BS11-BS is special adapted for these applications by enabling identification over the air. By using the BS11-BS the SPORTident Active Card SIAC1 can register the intermediate and start/finish times contactless in a range of up to 1.80 meters.

The station is part of SPORTident AIR+ system configuration.

BS11-BS blue
USB connector



BS11-BS blue
Beacon Small

The SPORTident Station BS11-BS comes in a housing at the size of the SI-station BSx7. The station works battery powered standalone but can be controlled and also be charged by USB interface.

Key features are:

- The SPORTident station BS11-BS blue is compatible with the SPORTident system parts and can be configured by software SI-Config+.
- The BS11-BS blue features stronger coupling field strength compared to stations BSF7/8.
- Compared to stations BSF7/8 the BS11-BS blue features additional beacon working modes.

Beacon modes (BC-START, BC-CONTROL, BC-FINISH) for identification over-the-air

The station transmits a data record comprising the internal real time, the code number, and the operating mode periodically. This record is caught by the SI-Card.
The working distance is up to1.80 meters. There are two time keeping modes “punching” and “timing” to best serve in different sport applications
The number of SIAC's which can be triggered simultaneously is unlimited.
The station does not directly receive signals from the SIAC. There is a second transmission channel by radio.

Please note: After the defined working time, the station turns OFF automatically. There is no prolongation depending on triggered SI-Cards.

Direct punching modes (CLEAR, CHECK, START, CONTROL, FINISH)

The working distance is up to 5 cm. Only one SI-Card can be managed by the station at the same time.

Handling and service

- The Control Station BS11-BS blue needs only minimal services. In typical application cycles only station's real time has to be monitored.
- Station's settings can be changed by using the software SI-Config+.
- The rechargeable battery has got a capacity of 1800 mAh. This is sufficient to power the station for more than 75 hours without a break. After that the battery must be charged via USB connector.
- The station is switched on with a magnet switch placed at stations side. To turn off the station activate the button and wait for three flashing cycles. Turning off the station is prolonged to prevent switching off inadvertently.
- SPORTident Control Station BS11-BS blue features an easy firmware upgrade mechanism.
  Station's firmware can be uploaded by the user via USB connection. Using this feature the station keeps up to date and enables the implementation of additional functionality. The firmware upgrade service is fully integrated in SI-Config+.

Specification

Internal power supply	1 x Lithium battery rechargeable
Battery capacity	1800 mAh
Battery charge	by USB
Working time before recharge	75 hours
Operating range	- 20°C + 50°C
International protection class	IP 64 (DIN EN 60529) Protection against penetration of dust Protection against splashed water from all directions
Dimensions	228 mm x 278 mm x 38 mm
Weight	150 g
Registration range in Beacon mode	Up to 1.80 meters, SIAC only
Beacon modes	BC_CONTROL, BC_START, BC_FINISH
Registration range in direct mode	Up to 5 cm, pCard
Direct modes	CLEAR, CHECK, START, CONTROL, FINISH
ON/OFF	by magnet switch

Notes:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the

interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna. -- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.