

# Smart HUB Plus

## BE WAVE SYSTEM CONTROLLER

**Smart HUB Plus** is the BE WAVE system controller, combining home automation features with protection against burglary, fire, and other random events.

The device has a built-in Ethernet (LAN) port, WiFi, and an industrial cellular module operating on 2G and 4G networks. The system can be managed and controlled using the **BE WAVE** mobile application or the **BE WAVE Soft** software.

- compliance with EN 50131 Grade 2
- support for up to 128 **ABAX 2** system wireless devices
  - operation in the 868 MHz frequency band
  - AES encrypted two-way radio communication
  - transmission channel diversity – 4 channels for automatic selection of the one that will enable transmission without interference with other signals
  - additional transmission channel to receive images from the **Motion Detector Cam**
- virtual IP devices
  - IP zones (receiving HTTP notifications)
  - IP outputs (sending HTTP notifications)
- capability to assign devices to 50 rooms
- capability to arm the system fully or partially (9 configurable partial modes)
- built-in modules
  - Ethernet (reporting to monitoring station, mobile application, push and e-mail notifications)
  - WiFi 2,4 and 5 GHz (reporting to monitoring station, mobile application, push and e-mail notifications)
  - cellular communicator 2G/4G with two SIM card slots (reporting to monitoring station, mobile application, push, e-mail, SMS, CLIP notifications)
- system control using
  - **BE WAVE** mobile application (simultaneous access by multiple users)
  - **BE WAVE Soft** configuration software
  - Smart Keypads
  - remote control keyfobs
- up to 50 users
- up to 100 scenes and routines
- up to 50 schedules with option to be used for routines
- 8000 event log entries
- powered by 230 V AC
- back-up battery
- battery charging circuit
- battery status control and low battery disconnect system
- tamper protection against enclosure opening and removal from mounting surface
- capability to update firmware of the control panel and the devices in the system
- programming of control panel setting
  - BE WAVE Soft configuration software or BE WAVE mobile app
  - communication via the local network or connection established through the Internet using the SATEL server

## TECHNICAL DATA

Operating temperature range	-10°C...+55°C
Weight	411 g
Maximum humidity	93±3%
Battery cut-off voltage (±10%)	2,7 V
Operating frequency band	868,0 ÷ 868,6 MHz
Radio communication range (in open area)	up to 2000 m
Dimensions	158 x 158 x 30 mm
Environmental class according to EN50130-5	II
Complied with standards	EN 50130-4, EN 50130-5, EN 50131-1, EN 50131-3, EN 50131-5-3
Supported memory cards	microSD, micro SDHC
Battery charging current	185 mA
Maximum power consumption	2,8 W
Security grade according to EN50131-1	Grade 2
Standby current draw from battery	272 mA
Standby power consumption	1,85 W
Low battery notification voltage	3,2 V
Battery operating temperature (discharging)	-10°C...+60°C
Battery operating temperature (charging)	0°C...+45°C
Battery	18650 3,6 V / 3200 mAh
Supply voltage	230 V AC, 50 Hz

