

# Smart HUB

## BE WAVE SYSTEM CONTROLLER

**Smart HUB** 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 and WiFi module. 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)
- 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                                      | 406 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                   | 2,65 W   |
| Security grade according to EN50131-1       | Grade 2  |
| Standby current draw from battery           | 252 mA   |
| Standby power consumption                   | 1,82 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  |