

# be wave | Smart HUB

The system controller, the heart of your **BE WAVE**, is a device that enables all functions related to comfort and protection. Enclosed in an elegant housing, it can be placed on a shelf or mounted, for example, on a wall. It has a built-in Ethernet (LAN) port and WiFi.

- support for up to 128 BE WAVE 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**
- capability to assign devices to 50 rooms
- up to 50 users
- Be Wave mobile app to manage the system:
  - ❖ communication via the local network or establishing connection through the Internet using the SATEL server
  - ❖ system programming
  - ❖ system control
  - ❖ system diagnostics
  - ❖ valid for installation on up to 5 different mobile devices of the user



- capability to arm the system fully or partially
- up to 50 scenes and routines:
  - ❖ scenes for easier control
  - ❖ routines for automated system operation
- 8000 event log entries
- event notification types:
  - ❖ push
- reporting:
  - ❖ reporting events to two monitoring stations
  - ❖ support for Contact ID, SIA and SIA IP communication formats
  - ❖ data transmission via Ethernet
- capability to update firmware of the controller and the devices in the system
- built-in Ethernet (LAN) port
- built-in Wi-Fi:
  - ❖ operating in the 2.4 and 5 GHz bands
  - ❖ IEEE 80.11 b/g/n (2,4 GHz) / IEEE 802.11 a/n (5 GHz) standards
- LED indicator
- powered with 230 V AC
- backup battery
- battery charging circuit
- battery status control and low battery disconnect system
- tamper protection against enclosure opening and removal from mounting surface
- compliance with EN 50131 Grade 2 requirements



Operating frequency band .....	868.0 MHz ÷ 868.6 MHz
Supply voltage .....	230 V AC, 50-60 Hz
Rechargeable battery .....	3.6 V / 3200 mAh
Standby power consumption .....	1.82 W
Maximum power consumption .....	2.65 W
Standby current consumption from battery .....	252 mA
Battery charging current .....	250 mA
Low battery voltage threshold .....	3.2 V
Battery cut-off voltage.....	2.8 V
Battery operating temperature	
· discharging .....	-10°C ÷ +60°C
· charging .....	0°C ÷ +45°C
Supported memory cards.....	microSD, micro SDHC
Complied with standards.....	EN 50130-4, EN 50130-5, EN 50131-1, EN 50131-3, EN 50131-5-3
Environmental class according to EN 50130-5 .....	II
Operating temperature range .....	-10°C ÷ +55°C
Maximum humidity.....	93±3%
Dimensions .....	158 x 158 x 30 mm
Weight .....	406 g



**SMART & SAFE**

powered by  
**abox2**  
wireless technology