



Smart HUB Plus LV

The system controller, the heart of your **BE WAVE**, is a device that enables all functions related to comfort and safety. 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, WiFi and additionally cellular communicator operating in the 2G and 4G networks. Smart HUB Plus LV has been adapted to work in low-voltage installations 9-28 V DC. It is an ideal solution for vehicles, recreational facilities and off-grid systems.

- 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 100 scenes and routines:
 - ❖ scenes for easier control
 - ❖ routines for automated system operation
- 8000 event log entries
- event notification types:
 - ❖ push
 - ❖ SMS
 - ❖ CLIP
- reporting:
 - ❖ reporting events to two monitoring stations
 - ❖ support for Contact ID, SIA, SIA IP and Bold Manitou communication formats
 - ❖ data transmission via Ethernet or cellular network
 - ❖ Dual Path Reporting compliant with EN 50136
- 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
- built-in cellular telephone:
 - ❖ operating in the 2G and 4G networks
 - ❖ dual SIM support
- LED indicator
- 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
Radio communication range (in open area)	up to 2000 m
Supply voltage	9...28 V DC
Rechargeable battery	18650 3.6 V / 3200 mAh
Standby current consumption	
· 9 V DC power	113 mA
· 28 V DC power	42 mA
Maximum current consumption	
· 9 V DC power	240 mA
· 28 VDC power	60 mA
Standby current consumption from battery	220 mA
Battery charging current	205 mA
Low battery voltage threshold	3,2 V
Battery cut-off voltage	2,7 V
Battery operating temperature	
· Discharging	-10°C ÷ +60°C
· Charging	0°C ÷ +45°C
Supported memory cards	microSD, micro SDHC
Security grade according to EN 50131-1	Grade 2
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	324 g

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