

Smart HUB Plus LV

BE WAVE SYSTEM CONTROLLER

Smart HUB Plus LV 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 device has been adapted to work in low-voltage installations 9–28 V DC. 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 wireless and virtual IP devices
- **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
- visual event verification option
 - receiving images from wireless Motion Detector Cam with a built-in camera
 - capturing snapshots from compatible ONVIF IP cameras
 - saving images to the memory card in the controller
 - displaying images in the BE WAVE app and BE WAVE Soft
 - sending images to the monitoring station or via e-mail
- powered by 9...28 V DC
- 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	324 g
Maximum humidity	93±3%
Battery cut-off voltage (±10%)	2,7 V
Operating frequency band	868,0 Mhz ± 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	205 mA
Security grade according to EN50131-1	Grade 2
Standby current draw from battery	220 mA
Power supply voltage	9...28 V DC
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
Standby mode current consumption (supply 9 V DC)	113 mA
Standby mode current consumption (supply 28 V DC)	42 mA
Max. current consumption (supply 9 V DC)	240 mA
Max. current consumption (supply 28 V DC)	60 mA