LEGRAND - BP30076
87045 LIMOGES CEDEX FRANCE
Téléphone : 05 55 06 87 87 - Télécopie : 05 55 06 88 88

BLUETOOTH BLE DONGLE S10MPX.10

Cat. n° : 0 283 10

Table of Contents Page

1. DESCRIPTION - UTILISATION

USB-BLE (bluetooth low energy) interface device for DPX3 S10 and DMX3 MPX.10 switches.
The interface allows, through the proprietary APP (" EnerUp + Project), the connection and association with the individual device in order to consult, parameterize and access advanced functions.

. Portable device not suitable for fixed installation

TECHNOLOGIE:

. The device communicates via bluetooth low energy and USB. It manages the charging of NiMh batteries with a dedicated chip.

2. RANGE

Power consumption:

. 2.5 W Max

Rated Voltage:

. 5v +/-0.5V USB and input
. 5v +/-0.5V USB and shield
. 2.4 V (1.2Vx2) nominal voltage AA-NiMh batteries

Setup and Use:

App per smartphone " EnerUp + Project"

Available for free on Google Play or App Store

App EnerUp + Project

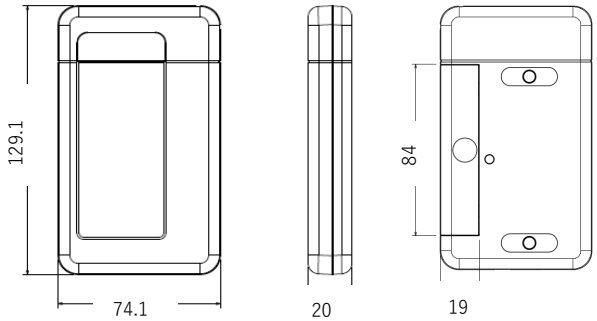
3. DIMENSIONAL DATA

Dongle lanyard: 40 cm

Cable USB – mini B: 1m

Cable USB – micro B: 1m

3. DIMENSIONAL DATA

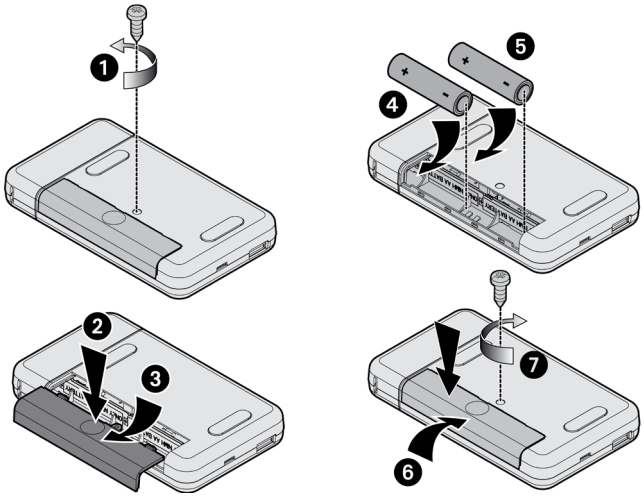


4. INSTALLATION - CONNECTION

Power supply:

The device needs to be powered by AA **type rechargeable NiMh** batteries (not included) and/or by micro USB cable.

Inserting batteries:



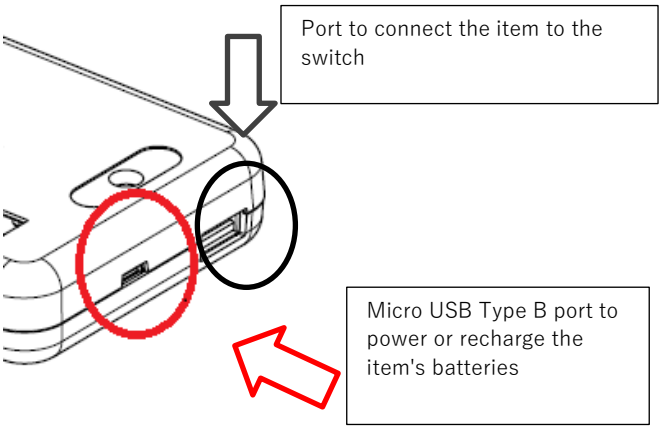
Tools:

For the screw: Pozidriv screwdriver No. 1 or 4 mm blade screwdriver

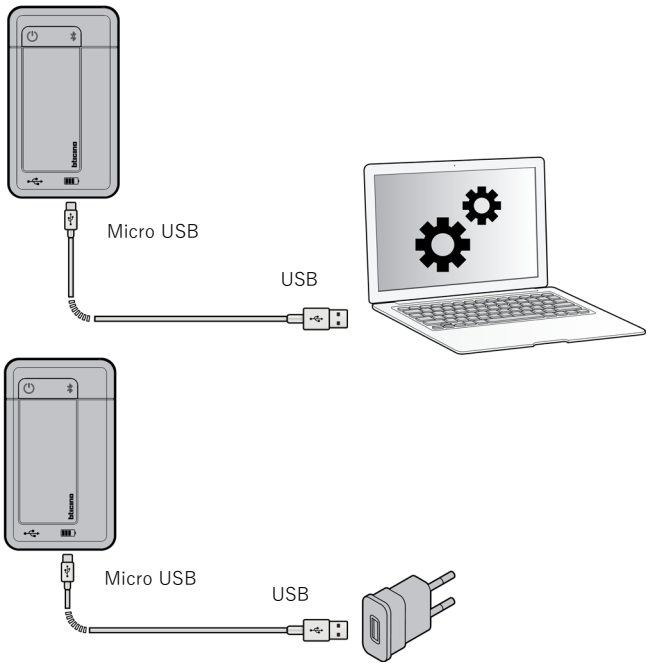
4. INSTALLATION - CONNECTION *(continued)*

Cable insertion:

Only with the micro USB you can charge the dongle



How to recharge the batteries or connect the dongle to an external power source

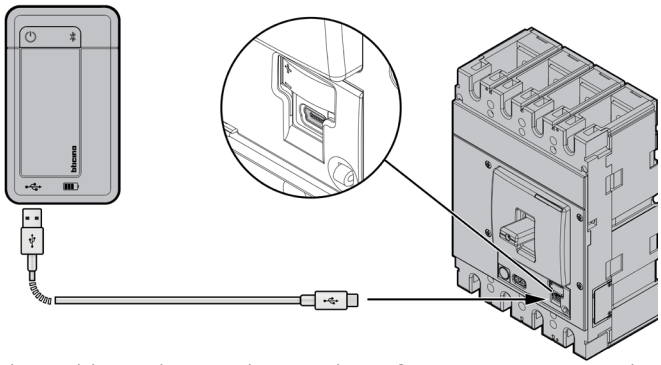


In any case, use a compatible USB 2.0 power supply

Check for firmware updates using the EnerUp + Project app periodically and follow the wizard.

4. INSTALLATION - CONNECTION *(continued)*

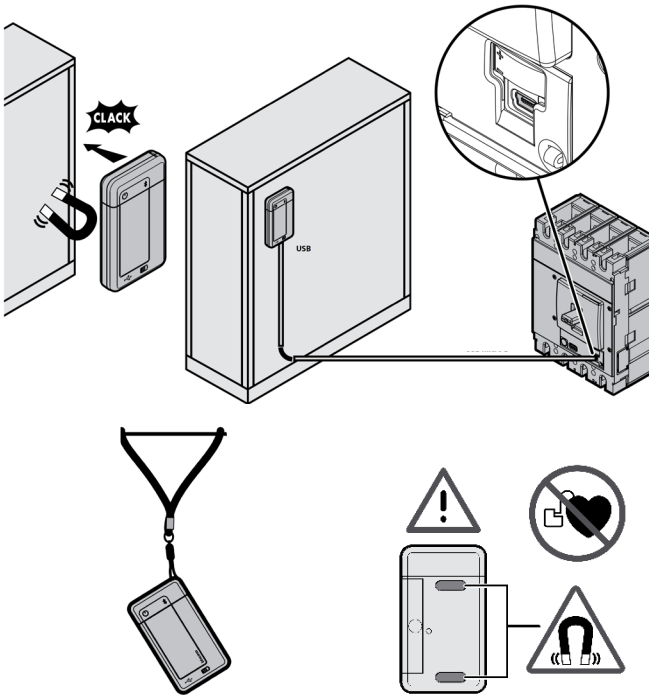
SWITCH CONNECTION



The cable to be used must be USB-Mini Type B with Megatiker switches or USB-Micro Type B with DMX3 MPX.10 switches.

Compatibility	Connection type
DPX3 250HP	Mini-USB type B
DPX3 630 S10	Mini-USB type B
DPX3 1600 S10	Mini-USB type B
DMX3 (MP6.10 - MP4.10)	Micro USB type B

How to dock the device



4. INSTALLATION - CONNECTION *(continued)*

Operating time:

. with fully charged batteries up to 2 hours (for DMX3 switch) and up to 7 hours (for DPX3 switch); This value depends on the type of switch, its power status, and the capacity of the batteries chosen.

Battery charging time:

. average time 8 hours; This time may vary depending on the battery capacity and the installation conditions of the dongle. In the worst conditions, i.e. when the dongle is the only power source of the switch, the charging time can be up to 36 hours.

Function of the buttons

Button	Function
	ON/OFF/PIN reset
	BLE Activation/ BLE Deactivation/ PIN Reset

Reset PIN

4.xx Pin reset sequence.

Dongle PIN reset: When the device is turned off, press the ON/OFF button for 15s. The BLE LED starts flashing RED for 5 seconds. Pressing the BLE button 3 times within 5 s will cause the BLE LED to stop flashing and turn solid RED for 2 s, after which the dongle will turn off. The PIN is automatically set to 123456.

- if the BLE button is NOT pressed 3 times within 5 seconds, the dongle will turn off without a reset.

4. INSTALLATION - CONNECTION *(continued)*

LED Color Status

	Dongle Status	LED Status ON/OFF	LED Status BLE
	LED off	LED off	LED off
	Battery charging	Flashing green	LED off
	Device in advertising	Fixed green	Flashing Blue
	Device connected	Fixed green	Fixed Blue
	Device with ble off or in limited consumption mode	Fixed green	LED off
	Device with low battery	Fixed Red	Fixed Blue, Flashing Blue, off
	Device in pin reset mode	Fixed green	Flashing red
	LED off	LED off	LED off

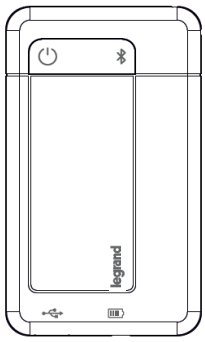
Famiglia articoli associabili
DPX3 1600 ver S10, with configurable electronic protection unit (display version)
DPX3 1600 ver S10 with configurable electronic protection unit and integrated measurement (display version)
DPX3 630 ver S10 with configurable electronic protection unit (display version)
DPX3 630 ver S10 with configurable electronic protection unit and integrated measurement (display version)
DPX3 250HP ver S10 with configurable electronic protection unit (display version)
DPX3 250HP ver S10 with configurable electronic protection unit and integrated earth differential protection (display version)
DPX3 250HP ver S10 with configurable electronic protection unit and integrated measurement (display version)
DPX3 250HP ver S10 with configurable electronic protection unit and integrated measurement and differential protection (display version)
DMX3 (MP2.10 - MP4.10) ver S10

BLUETOOTH BLE DONGLE S10MPX.10

Cat. n° : 0 283 10

5. CARACTÉRISTIQUES GÉNÉRALES :

Front side markings:



Back Marking:

Real-time and historical data visualization:
using smartphones with the EnerUp + Project APP.

Download the EnerUp+Project app and follow the instructions to add the linked product to your installation.

Check for firmware updetes using the EnerUp-Project app periodically and follow the wizard.

5. GENERAL FEATURES *(continued)*

Rated Usage Voltage (EU):

. 5v +/-0.5V USB and input

. 5v +/-0.5V USB and shield

. 2.4 V (1.2Vx2) nominal voltage AA NiMh rechargeable batteries

Recommendations:

due to the presence of magnets inside the device, possible interactions with electromedical devices.

Radio Interface Features:

. ETSI EN 300 328 V2.2.2
. ETSI EN 301 489-1 V2.2.3
. ETSI EN 301 489-17 V3.2.4
. ETSI EN 301 489-17 V3.2.2
. Standard IEC 62368-1

. Frequencies from 2.4 to 2.4835Ghz
. Transmitter Output Power <100mW

Degree of protection:

. Terminal protection index against direct contact: IP2X (IEC/EN 60529)
. Front face protection index against direct contact: IP3XD (IEC/EN 60529)
. Class II, front panel with faceplate.
. Touch protection of terminals: IP5x
. Impact Protection: IK03

Plastic:

. Anti-static ABS.
. Glow wire test GWFI IEC 60695-2-12 (1.6 mm) 650° C

Operating Ambient Temperature:

. Min. = - 5 ° C Max. = + 45 ° C.

Storage Ambient Temperature:

. Min. = - 40 ° C Max. = + 70 ° C.

Average weight:

. Weight = 86g

Packing Volume:

. 0.62 dm3.

Environmental profile:

. PEP document not available

6. COMPLIANCE AND APPROVALS

Standards Compliance:

EN 301 489-1

Respect for the environment - Compliance with European Union directives:

. Compliance with Directive 2002/95/EC of 27/01/03 known as "RoHS" which provides for a restriction on the use of hazardous substances such as lead, mercury, cadmium, hexavalent chromium and polybrominated biphenyl (PBB) and polybrominated diphenyl ether (PBDE) brominated flame retardants from 1 July 2006

. Compliance with Directive 91/338/EEC of 18/06/91 and Decree 94-647 of 27/07/04

Electromagnetic Interference (EMC) Compliance:

. In accordance with EN 301 489-1:
Immunity to electrical transients in explosions

Plastic Material:

. Halogen-free plastics.
. Marking of parts according to ISO 11469 and ISO 1043.
. ISO 7000:2004, Graphic symbols to be used on equipment - Index and synopsis

Packing:

. Design and production of packaging in accordance with Decree 98-638 of 20/07/98 and Directive 94/62/EC.

Battery disposal: Batteries must be replaced using only batteries of the same type and electrical characteristics as those specified in the product's user manual and by following the instructions dedicated to the purpose in the same manual and disposed of in accordance with current laws.
The user must, therefore, deliver the batteries and the end-of-life equipment free of charge to the appropriate municipal centres for the separate collection of electrical and electronic waste, or return it to the retailer, one by one, or free of charge for appliances with external dimensions of less than 25 cm.
Adequate separate collection for the subsequent recycling, treatment and environmentally compatible disposal of discarded equipment helps to avoid possible negative effects on the environment and health and promotes the reuse and/or recycling of the materials of which the equipment is made.
The improper disposal of equipment, batteries and accumulators by the user will result in the application of the penalties provided for by current legislation.