

## Parameters

### Electrical Parameters

Working voltage	DC5V (from wireless power interface)
Power consumption	MP4B-RF.16:47mA/DC5V MP8B-RF.16:57mA/DC5V
Indoor communication distance	30m(barrier free)
RSSI receive signal intensity	>-80dbm
Factory frequency	Band, PSK (Suggestion: your setting should not be same as the factory setting)

### Environmental Conditions

Working temperature	-5°C~45°C
Working relative humidity	Up to 90%
Storage temperature	-20°C~+60°C
Storage relative humidity	Up to 93%

### Approved

CE  
RoHS

### Product Information

Dimensions	86×116×10.5 (mm)
Housing material	Glass, ABS, PC
Installation	Wireless power interface, US wall box
Protection degree	IP20

### Frequency allocation

(China) WPAN	780MHz to 786MHz
(Europe) SRD	864MHz to 870MHz
(North America)	904MHz to 928 MHz
Default band	780MHz
Default PSK	HDL-SecurityKey0

## Important Notes

- It must work in conjunction with wireless power interface (be installed in wall box).
- User can design and replace the button labels.
- The subnet ID of panel must be same as the subnet ID of mesh gateway.
- Check all connection after installation.
- Installation - wall box.

## Overview



HDL-MP4B-RF.16



HDL-MP8B-RF.16

HDL-MP4(8)B-RF.16 Multi-function wireless panels. Button labels are easy to replace.

## Functions

- Key Mode: Single on/off, Single on, Single off, Combination on, Combination off, Combination on/off, Double click single on/off, Double click combination on/off, Inching, Short/long press, Short press/long inching.
- Key Control Type: Scene, Sequence, Timer Switch, Universal switch, Single channel lighting control, Broadcast scene, Broadcast channel, Curtain Control, GPRS Control, Panel Control, Security Module, Z-audio Control, Universal Control, Link Page, DALI Area Dimmer, RGB Control, Logic Light Adjust, Logic Scene, etc.
- The wireless power interface provides the working voltage. And the panel can control four wireless power interfaces at the same time.
- Built-in temperature sensor.
- It uses wireless communication, and it must work in conjunction with wireless power interface.
- It has key lock, mutually exclusive and key linkage.
- Customize button labels and plate can be replaced.
- Indicator intensity is adjustable.
- Supports online upgrades.

## Safety precaution



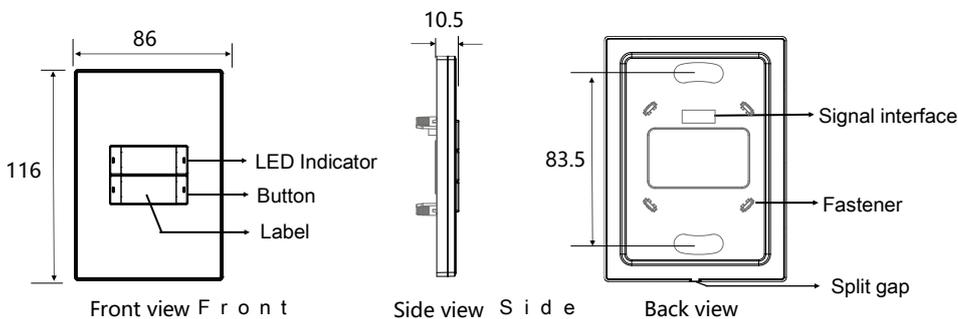
- Mounting position: Indoor.
- Do not let the module come into contact with liquids.

## Installation Steps

- Mount the wireless power interface in the wall box.
- Put this device into wireless power interface.



## Dimensions and Wiring



Take MP4B-RF.16 as an example.

**Subnet ID and device ID setting:** The subnet ID and device ID should be modified in the mesh gateway. Keep pressing any button for 25s, it will enter the gateway setting mode. Now, you can modify the subnet ID and device ID of the panel in the HDL Buspro Setup Tool. (It must be same as the subnet ID of mesh gateway.)

**Targets and parameters:** When you finish setting, you can search the panel, and then, set the targets and parameters.

**Button:** On/off.

**Button indicator:** Indicates the status of the controlled target. On – Status on; Off – Status off.

**Address modification:** If you want to modify, the panel should finish the gateway setup mode. Keep pressing any button for about 15S, and then all LED indicators will flash together, use HDL Buspro Setup Tool to modify the address ( Address management->Modify address), then press any button will exit program mode.

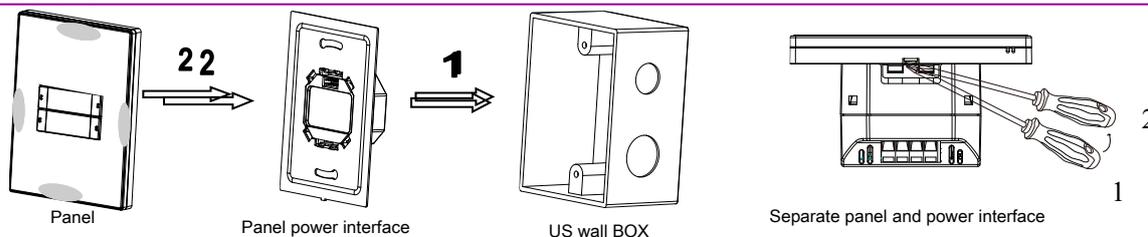
**Button label:** User can print and replace the button labels, pull out the cover, and then put down the new labels. Finally, user should install the cover.

**Panel unlock/ lock:** Press the first button and the last button for about 2s, you can lock/unlock panel.

**Signal interface and fastener:** Connect to power interface.

**Split gap:** Insert a slotted screwdriver to the split gap, separate the panel and power module.

## Installation

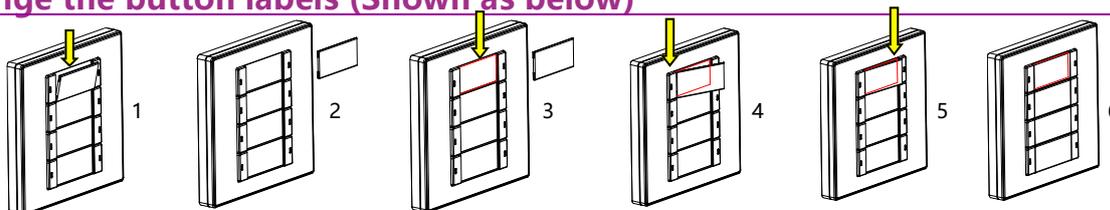


**Installation:** Hold the edge of panel. (shown as above), insert the power interface module vertically. Do not push the panel too hard.

**Split:** Insert a 2.5mm-screwdriver to the split gap, pry up from position 1 to 2, then the wiring hole will open. Then separate the panel and wireless power interface.

**Wall box:** For convenience of the wiring installation, the wall box should be deeper than the power interface.

## Change the button labels (Shown as below)



1. Open the plastic (shown as above) 2. Remove it (take out the label if it is inside) 3. Put the new label in the middle place 4. Put one side of plastic to the button 5. Press the other side of plastic to the button 6. Finish to change the button label

Notes: Label dimension is 31.5mmX 14.5mm, user can use same way to change each button label.