Parameters

Electrical Parameters	
Working voltage	DC5V (from wireless power interface)
Power consumption	55mA/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℃~45℃
Working relative humidity	Up to 90%
Storage temperature	-20℃~+60℃
Storage relative humidity	Up to 93%
Approved	
CE	
RoHS	
Product Information	
LCD resolution	240x80
Dimensions	86×116×10.5 (mm)
Weight	130.5(g)
Housing material	Glass/Aluminum, ABS, PC
Installation	Wireless power interface
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).
- Installation - US wall box.
- Check all connection, avoid any mistake.
- The subnet ID of the panel must be same as the mesh gateway.

Overview

HDL-MPL8-RF.16 8-button wireless panel is a new generation of wall-mounted switch with new design. It has 8 control buttons and the left & right side of the button can be programmed separately. 2 buttons are used for the page switching. Each button can be displayed with an icon in the LCD screen, which is customized for final user.

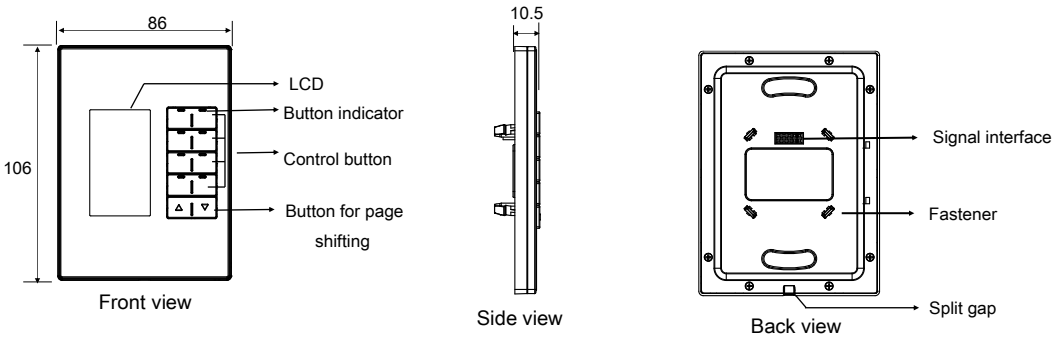
Functions

- The wireless power interface provides the working voltage, a DLP panel can control 4 wireless power interface at the same time.
- It uses wireless communication, and it must work in conjunction with mesh gateway.
- Built-in temperature sensor.
- Indicator intensity is adjustable.
- Specified pages for AC, floor heating, music, etc.
- Icon for key buttons can be customized by users.
- The panel can set combination way of the key and double key merge.
- It has mutual exclusion,
- Multi key mode: Invalid, Single on-off, Single on, Single off, Combination on-off, Combination on, Combination off, Dbclick/single switch, Dbclick/combination switch, Momentary, Clock, Short/Long press, Short Press/ Long jog.
- Multi key control mode: Scene, Sequence, Timer switch, Universal switch, Single channel lighting control, Broadcast scene, Broadcast channel, Curtain switch, GPRS control, Panel control, Security module, Z-audio control, Universal control, Link page, DALI area dimmer, RGB control, Logic light adjust, Logic scene.
- Supports online upgrading via HDL Buspro software.

Installation Steps

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

Dimensions and Wiring



Button Indicator: Indicates the status of the target. On – Status on, Off – Status off.

Control Button: To control target.

Button for page shifting: User can select different pages.

Signal interface and fastener: Connect to panel power interface.

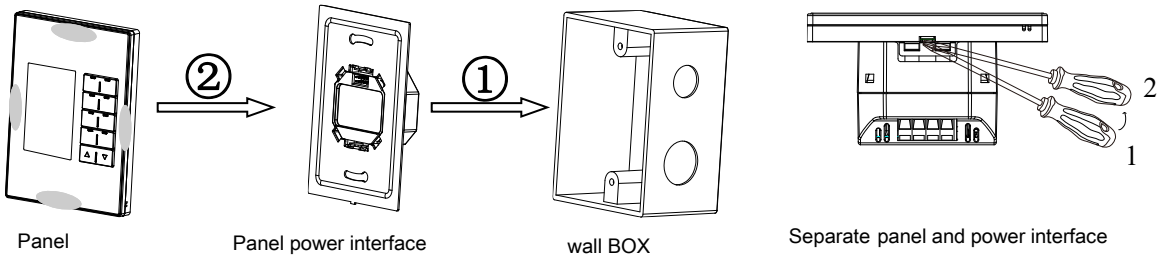
Split gap: Insert a slotted screwdriver to the split gap, separate the panel and power module.

Dimming: When the function mode is scene or single channel lighting control, keep pressing the button, you can adjust the brightness.

Subnet ID and device ID: Subnet ID and device ID should be modified in the mesh gateway. Press the first button and the last button for 2s at the same time, the panel will enter the setting page(System, Other setting, Password, IR select, Date time, Language, Wireless.), and then, select the "Wireless", the seventh and eighth buttons will flash together. Now, the panel enters gateway setup mode and the mesh gateway should enter gateway setup. You can modify the subnet ID and device ID of the panel. The subnet ID of the panel should be same as the mesh gateway.

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

Installation



Installation: Hold the edge of the 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, 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.

Safety precaution

WARNING

- Mounting position: Indoor.
- Never let liquids get into the module, it will damage this device.