

Wireless Smart Control Box

CBH64H-HS

Verson:0.0

Release date: 2017/03/08

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1. Introduction

● **Feature**

1. Output 0-10V DC voltage.
2. Flexible & compatible with 99% lighting fixtures.
3. Maximum load up to 500W/110V, 1KW/220V.
4. Dimmable & scheduling by APP for power saving.
5. Suitable applications for home user/ office/ factories.
6. UL/ CE/ FCC certification.
7. Three years warranty.

● **Specification**

1. AC input / output voltage: 100Vac~277Vac
2. AC mA load current: 4.55A
3. AC max load power: 110Vac→500W / 220 Vac→1000W
4. Optional two channels output voltage: 0~10V
5. Dimension: L11cm*W4.2cm*H3cm
6. Functions: ON/Off, Dimming & tunable color temperature

● **APP download**

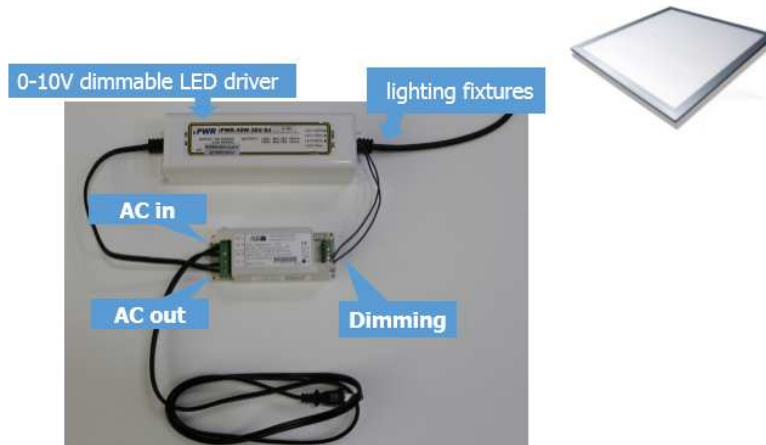
1. Google Play store search 「Light Q」, download。
2. Google Play store download 「QR Droid Code Scanner」 before user starts APP



QR Droid Code Scanner

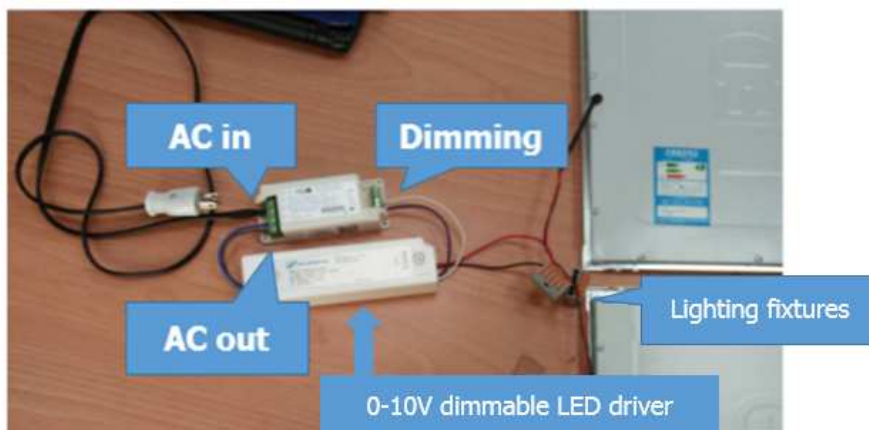
2. Installation

- **Single lighting fixture**



- **Two or more lighting fixtures with one Control Box**

Note: LED driver power should be matched with lighting fixtures.



- After wiring and providing electricity to Control Box pls make sure LED indicator is flashing. If not, pls follow page 9 to reset Control Box.



- Recommend LED driver: High Perfection Technology.

Lighting fixture	Dimention	Maximum load	HS model name			Control Box numbers	Lighting fixture numbers	Note
			Model/ Spec.	Type	Dimming			
Mono-color Panel light	60*60cm	110V/500W	LP1036 (40W)	P	0~10Vdc	1	1	a. Dimmable LED driver support b. Drivers dimming wiring: In parallel to Control Box 0~10V c. 110V maximum load power:500W 220V maximum load power:1000W d. Dimming type: 0~10V support e.AC Input maximum load curent 4.55A
			LP1042 (42W)	P	0~10Vdc	1	1	
			LP1056 (60W)	P	0~10Vdc	1	1	
			LP1057 (70W)	M	0~10Vdc	1	1	
			LP1096 (100W)	P	0~10Vdc	1	1~2	
			LP1097 (100W)	M	0~10Vdc	1	1~2	
			LP1048 (53W)	P	0~10Vdc	1	1	
			LP1075 (75W)	P	0~10Vdc	1	1	
			LP1153 (150W)	M	0~10Vdc	1	1~3	
			LP1156 (150W)	M	0~10Vdc	1	1~3	
			LP1240 (240W)	M	0~10Vdc	1	1~5	
			LP2200 (200W)	M	0~10Vdc	1	2~4	
		220V/1000W	LP1036 (40W)	P	0~10Vdc	1	1	
			LP1042 (42W)	P	0~10Vdc	1	1	
			LP1056 (60W)	P	0~10Vdc	1	1	
			LP1057 (70W)	M	0~10Vdc	1	1	
			LP1096 (100W)	P	0~10Vdc	1	1~2	
			LP1097 (100W)	M	0~10Vdc	1	1~2	
			LP1048 (53W)	P	0~10Vdc	1	1	
			LP1075 (75W)	P	0~10Vdc	1	1	
			LP1153 (150W)	M	0~10Vdc	1	1~3	
			LP1156 (150W)	M	0~10Vdc	1	1~3	
			LP1240 (240W)	M	0~10Vdc	1	1~5	
			LP2200 (200W)	M	1~10Vdc	1	2~4	

Note: "P"-Plastic; "M"-Metal

● AC output v.s supply current map

Vout (Vac)	Max Iout (A)	Max load Power (W)
* 100	4.55	455w
* 100	4.55	500w
* 120	4.55	546w
• 130	4.55	591w
• 140	4.55	637w
• 150	4.55	682w
• 160	4.55	728w
• 170	4.55	773w
• 180	4.55	819w
• 190	4.55	864w
• 200	4.55	910w
• 210	4.55	955w
* 220	4.55	1001w
* 230	4.55	1046w
• 240	4.55	1092w
• 250	4.55	1137w
• 260	4.55	1183w
• 270	4.55	1228w
• 277	4.55	1260w

*** Symbol means maximum load power**

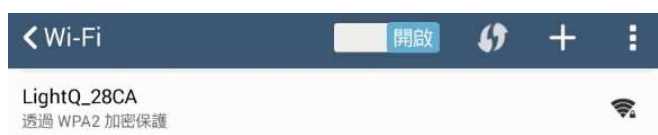
3. Download APP & Setting Gateway

Step1. Power on Gateway.

Step2. Google Play store download APP 「Light Q」.

Step3. Search Gateway Wi-Fi SSID by smart phone.

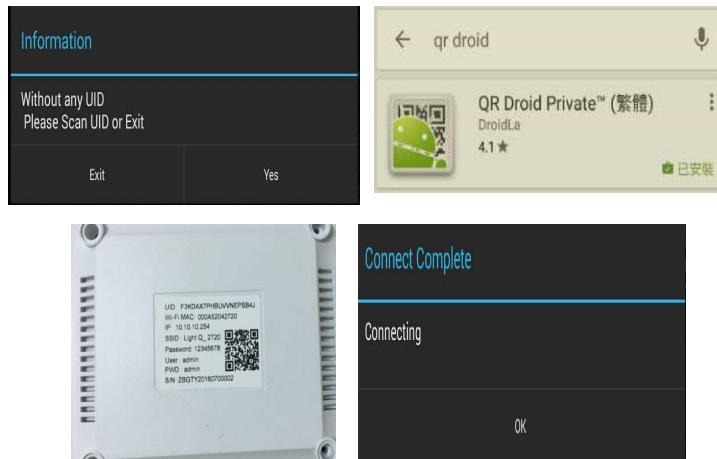
(EX: Gateway SSID : LightQ_28CA)



Step4. Key in password "12345678".



Step5. Click APP Light Q and click YES, your smart phone will download APP "QR Droid" automatically. Scan Gateway backside QR code, If success, will show "connect complete".



Step6. Turn Control Box power on.

4. Paring

Step 7. Click left top symbol, select "Single".



Step 8. Click  to paring.

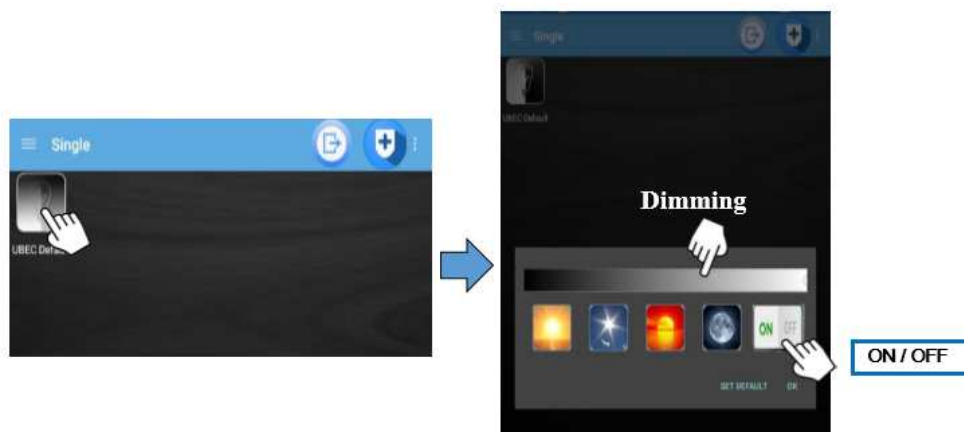
Step 9. Before paring the lighting fixture will flash 3 times and keep brightness and the LED indicator will always flash slowly.

Step 10. Pairing success , the lighting fixture and LED indicator will keep brightness.
There will have a bulb symbol pop up under "Single" page in APP.



5. Functional test confirmation

Step 11. Click bulb symbol to enter control screen and click dimming or ON/ OFF to make sure if the lighting fixture is workable.



6. Reset Control Box by APP

Step 1. Click "Delete" to reset Control Box.



Step2. After reset the lighting fixture will flash 3 times and keep brightness.
The LED indicator will always flash.

7. Reset Control Box from power ON/ OFF or Reset button

Method1. Power on Control Box 5~7 seconds, power off 5~7 seconds as a cycle, repeat 4 times. If success the LED indicator will start flashing, if not the LED indicator will keep brightness.

Method2. Press Reset button 7 seconds, the LED indicator will start flashing.



Notice : The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IMPORTANT NOTE: To comply with the FCC RF exposure compliance requirements, the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. No change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate the device.

The equipment has been tested and found to comply with the limits for a Class B Digital Device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communication. However, there is no grantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.