MiBOXER® | Mi·Light Subordinate New Brand

30A Knob Dimming Controller (2.4G)

Model: HR1

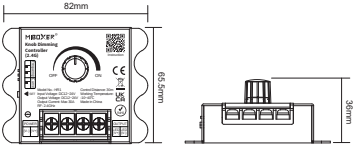
Features



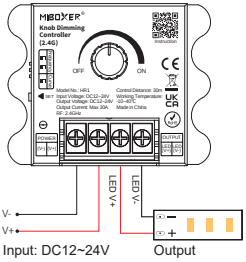
- 2.4G RF wireless technology
- Switchable DIP switch for adjusting PWM frequency and dimming curve
- Remote control distance: 30m
- Auto-forwarding: Automatically forward the remote control signal to another controller, making the remote control distance infinite
- Have DND function, usually used in power failure area and save power
- Support TUYA SMART app control (2.4GHz gateway is needed)
- Support third party voice control like Alexa, Google assistant,Yandex Alice, Tmall Genie,Baidu and Xiaomi (2.4GHz gateway is needed)

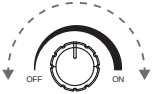
Parameters

Product Name:	30A Knob Dimming Controller	Dimming level:	4096 levels
Model No.:	HR1	Dimming Range:	0.1%-100%
Input Voltage:	DC12~24V	Dimming Curve:	Logarithmic
Output Current:	30A	EMC Standard (EMC):	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-3 V2.1.1
Output Type:	Constant Voltage		
Control Signal:	2.4GHz RF	Safety Standard (LVD):	EN 61347-1: 2015+A1: 2021 EN 61347-2-11: 2001+A1:2019
Control Distance:	30m		
IP Rate:	IP20	Radio Equipment (RED):	ETSI EN 300 440 V2.2.1
Working Temp.:	-10~40°C	Certification:	CE, EMC, LVD, RED



Connection Diagram





Rotate the knob to adjust brightness

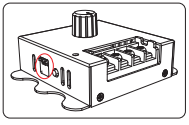
Parameter modification

Toggle the DIP switch to adjust PWM frequency and dimming curve
(Down: ON / Up: OFF).

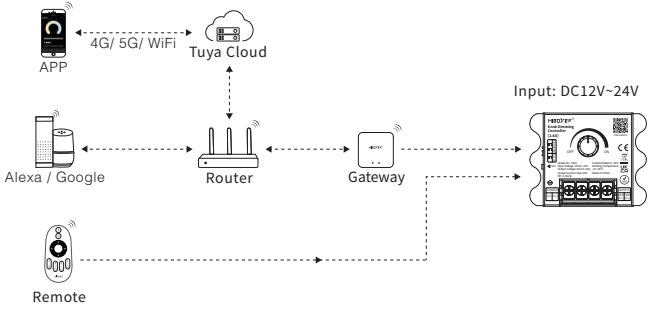
UP: OFF Down: ON

1 2 3 ON	Frequency		
	16KHz		1KHz
	4KHz		250Hz

1 2 3 ON	Curve
	Log
	Linear

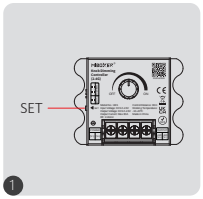


Application Diagram



2.4G RF Remote control instruction

Linking Code Instructions



1

Short press "Link" button once



2

Short press " I " button 3 times within 3 seconds.

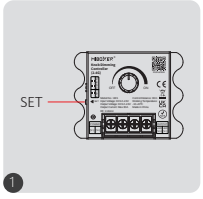


3

Lights blink 3 times slowly means linking is done successfully.

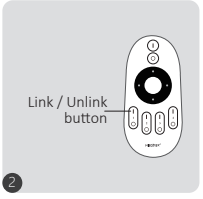
Linking failed if light is not blinking slowly, Please follow above steps again. (Note: Light that have linked can't link again)

Unlinking Code Instructions



1

Short press "Link" button once



2

Short press " I " button 5 times within 3 seconds.

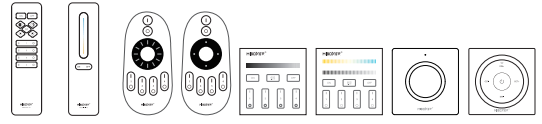


3

Lights blink 10 times quickly means unlinking is done successfully.

Unlinking failed if light is not blinking quickly, Please follow above steps again. (Note: Light haven't linked that don't need to unlink)

Compatible with these 2.4G RF remote controls (Purchased separately)



C2 C3 FUT006 FUT007 B1 / B1-B / T1 B2 / T2 K1 / K1-B K2 / K2-B



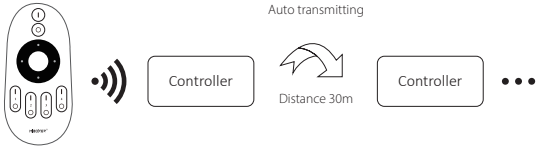
FUT087
FUT087-B

S1-B / S1-W
S1-G

WL-Box2

Transmitting function instruction

One Controller can transmit the signals from the remote control to another Controller within 30m, as long as there is a LED Driver within 30m, the remote control distance can be limitless.



Attention: All "LED Driver" must be linked with one remote.

Turn Do Not Disturb mode on and off (ON by default)

Turn on "Do Not Disturb" (applicable to areas with frequent power outages to save energy)

Turn on Do Not Disturb mode:

Short press the "OFF" button 3 times within 3 seconds, and then short press the "ON" button 3 times. The light flashes 4 times to indicate success.

Note: When the lamp is powered on again after a power outage, its status (lights on or off) will remain the same as before the power outage.

Turn off Do Not Disturb mode:

Short press the "ON" button 3 times within 3 seconds, and then short press the "OFF" button 3 times. The light flashes 4 times slowly to indicate successful shutdown.

Note: When the lamp is powered on again after a power outage, its status will be on by default.

Notice

1. When installing the device, please turn off the power to ensure safety.
2. Please check if the input voltage is consistent with the device.
3. Non-professional users cannot disassemble the device directly, otherwise the device may be damaged.
4. Do not use the device near large metal areas or areas with strong electromagnetic waves, otherwise the remote control distance will be seriously affected.

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