

Technical Sheet For KNX Wireless Remote Knob K5

CHRK-04/B.4.2x

(x=1: Black; x=2: Silver; x=3: Gray; x=4: Golden)

The worldwide STANDARD for home and building control

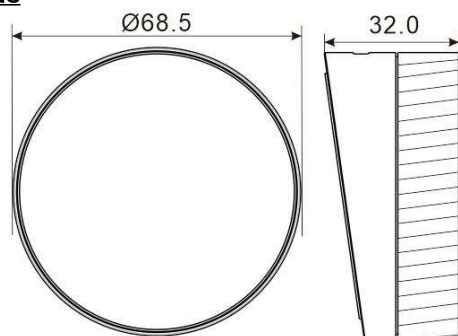
CHARACTERISTICS

- Support single click, left revolve and right revolve operation
- KNX Wireless Remote Knob K5 can be customized as product control functions through the KNX Wireless Transceiver. It can be configured for switch, dimming, colour temperature switching/send value, value sender, scene control, blind and colour temperature adjustment functions
- Support 8 Logic functions, with AND, OR, XOR, Gate forwarding, Threshold comparator, Format convert, Gate function, Delay function and Staircase lighting
- Supports 8 scene groups, each with 8 configurable outputs

PARAMETERS

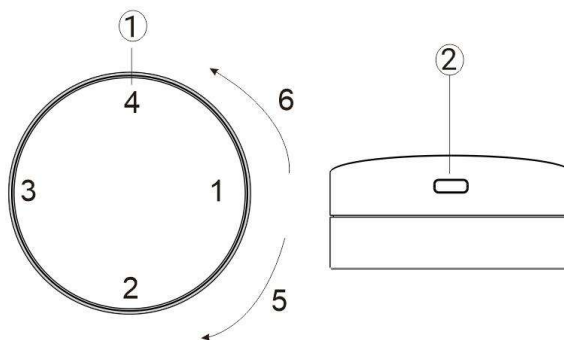
General	Power supply	Lithium Battery, 650mAh/3.7V
	Charging Power	Max.5V/0.5A
	Communication Protocol	2.4G Wireless Communication
	Wireless Range	10m
	Protection Rating	IP20
Temperature	Operation	0 °C ... + 40 °C
	Storage	-10 °C ... + 40 °C
	Transport	-10 °C ... + 40 °C
Environment	Humidity	10%~90%, except dewing

DIMENSIONS



Model	Dimension	Weight
CHRK-04/B.4.2x	φ68.5 x 32.0mm	0.2Kg

DESCRIPTIONS



①Button/Button LED 1、2、3、4

②Type-C Charging Interface

OPERATING INSTRUCTIONS

Operation	Function	LED	Note
Single click 1~4	Trigger the configured ETS functions	The corresponding button LED flashes 5 times with a 0.1s interval.	By default, it flashes once after power-on and then turns off
5、6	Associated with the pressed button 1/2/3/4, trigger the corresponding ETS configuration functions	The last activated button LED flashes. After the rotation stops, the button LED flashes three times and then turns off.	5 Forward , 6 Reverse
Charging feedback	Device charging notification	Red LED is always on	The green LED always on to indicate the device is fully charged.
Low battery feedback	Low Battery Alarm	The button LED Flashes in the sequence 1/2/3/4	The device will issue an alarm when its battery level falls below 15%.

The KNX Wireless Remote Knob K5(CHRK-04/B.4.2x) must be used with a KNX Wireless Transceiver(BTWT-00/B.1).

The detailed operations are as follows:

1.Device pairing and binding: ①Long press the pairing button of the transceiver for 10s, at this time, the red LED flashes at 1s intervals.

②Long press the button 1 and button 2 of the remote for 3s, the device sends a pairing request (clear previous pairing information before pairing; pairing timeout is 1min), at this time, the button LED1 will flash at 0.5s intervals until pairing succeeds.

③During the pairing process, if pairing with a remote succeeds, the red LED will stop flashing and the white LED will high light for 1s, then the red LED will continue flashing, you may continue pairing other remote at this time. For new remotes, long press the buttons 1 and 2 for 3s to complete pairing.

2.Exit pairing mode: Single click the pairing button 3 times to exit pairing mode. If any remote is already paired with the transceiver, the white LED stays steadily on; if no remote is paired, the red LED stays steadily on.

Note: After the transceiver exits pairing mode, re-pairing is subject to the device quantity limit. If the transceiver has already paired with 8 devices, it cannot enter pairing mode again. If the number of paired devices is less than 8, new devices can be added normally. The system will automatically exit pairing mode once the 8-device limit is reached. One transceiver supports a maximum of 8 paired remote.

3.Clear pairing data: To clear all stored pairing information on the transceiver, single click the pairing button 5 times.

Note: After this operation, all previously paired remote need to be re-paired and re-bound for normal use.

IMPORTANT INFORMATION

Installation and commissioning of the device may only be carried out by trained electricians. The relevant standards, directives, regulations and instructions must be observed when planning and implementing the electrical installation.

●Protect the device against moisture, dirt and damage during transport, storage and operation!

●Do not operate the device outside the specified technical data (e.g. temperature range)!

Should the device become soiled, it may be cleaned with a dry cloth. If this does not suffice, a cloth lightly moistened with soap solution may be used. On no account should caustic agents or solvents be used.



KNX 无线旋钮遥控器 K5 技术规格书

适用型号：
CHRK-04/B.4.2x
(x=1：曜夜黑；x=2：流光银；x=3：静谧灰；x=4：璀璨金)

国际标准的家庭和楼宇控制系统

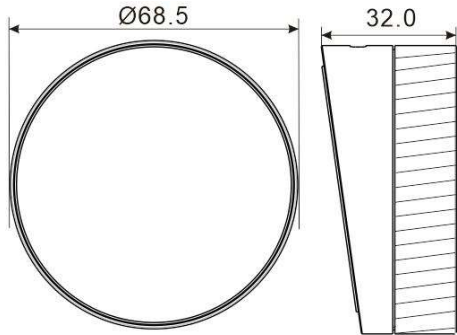
产品功能

- 支持单击、左旋、右旋操作
- KNX 无线旋钮遥控器 K5 可通过配套 KNX 无线信号接收器自定义为产品控制功能，可配置为开关、调光、色温开关/值发送、值发送、场景控制、窗帘控制、色温调节功能
- 支持 8 个逻辑功能，带与、或、异或，逻辑门转发，阈值比较器，不同数据类型转换，门功能，延时、楼梯灯功能
- 支持 8 个场景组功能，每组带有 8 个可配置的输出

技术参数

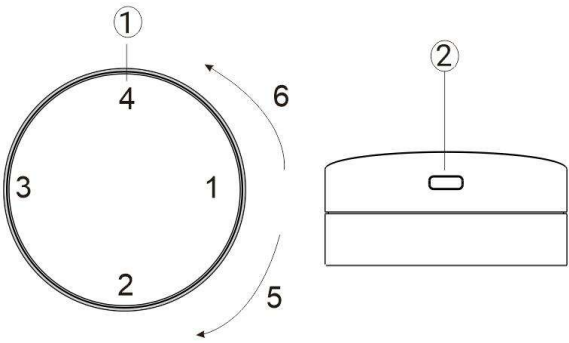
常规	供电	锂电池 650mAh/3.7V
	充电功率	最大 5V/0.5A
	通讯方式	2.4G 无线通讯
	无线距离	10m
	防护等级	IP20
温度范围	运行	0 °C ... + 40 °C
	存储	-10 °C ... + 40 °C
	运输	-10 °C ... + 40 °C
环境条件	湿度	10%~90%，结露除外

尺寸规格



型号	尺寸	重量
CHRK-04/B.4.2x	φ68.5 x 32.0mm	0.2Kg

接线图



- ①按键/按键 LED 1、2、3、4
- ②Type-C 充电接口

操作说明

操作方式	功能说明	指示灯	备注
单击 1、2、3、4	执行 ETS 配置功能	对应按键 LED 灯间隔 0.1s 闪烁，闪烁 5 次	默认上电闪烁 1 次后熄灭
5、6	与已按下的按键 1/2/3/4 相关联，执行对应 ETS 配置功能	最后触发的按键 LED 灯闪烁，停止旋转，按键 LED 灯闪烁 3 次熄灭	5 正转，6 反转
充电反馈	设备充电提示	红灯常亮	设备充满绿灯常亮
亏电反馈	设备低电量报警	按键 LED 灯按照 1/2/3/4 顺序进行闪烁	设备电量低于 15%报警

KNX 无线旋钮遥控器 K5(CHRK-04/B.4.2x)需要与 KNX 无线信号接收器 (BTWT-00/B.1)配对绑定才能使用,具体操作如下：

- 1.设备的配对绑定：①长按接收器的配对按键 10s 进入配对模式，此时红灯以间隔 1s 闪烁。
- ②长按遥控器的 1 和 2 按键 3s，遥控器发送配对请求（配对前先清除上次配对信息，配对超时时间为 1min），此时按键 LED1 间隔 0.5s 闪烁至配对成功。
- ③遥控器配对成功时，接收器的红灯停止闪烁且白灯高亮 1s 后红灯继续闪烁，此时可继续配对其他遥控器，新的遥控器长按 1 和 2 按键 3s 即可。
- 2.退出配对模式：没有新的遥控器需要配对绑定时，单击接收器的配对按键 3 次，可以退出配对模式。如果接收器有遥控器已配对绑定时，白灯常亮；无遥控器已配对绑定时，红灯常亮。

注：接收器退出配对模式后，若要再次进行配对，如果接收器已配对的设备数量为 8 个，则无法进入配对模式。若接收器已配对的设备数量少于 8 个，则可以正常添加配对新设备，配满自动退出配对模式。一个接收器最多可以匹配 8 个遥控器设备。

- 3.清除配对数据：如需清除接收器所有已配对信息，连续单击 5 次配对按键。

注：执行此操作后，若要继续使用之前已配对的遥控器，则需重新进行配对绑定的操作。

重要提示

- 安装和调试设备只能由合格的熟练电工来操作。在计划与实施电气安装的过程中相关的标准、指令、规则和指示都要严格执行。
- 需要避免器件在运输、储存、使用的过程中受潮、脏污以及受损。
 - 不要使器件运行在指定的技术指标之外（例如温度范围）。
- 当设备脏污时，只可以使用干燥的布来清洁。如果这样不足以清洁干净，可以使用湿布蘸少许肥皂溶液轻轻擦拭。绝不能使用碱剂或者腐蚀性溶剂。

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