

CU-ALL2 Remote Control



CU-ALL2



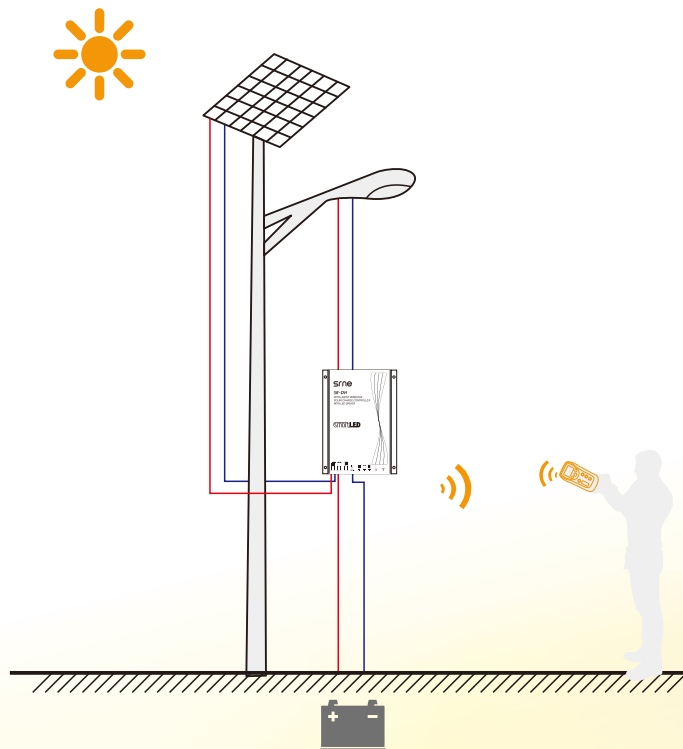
Main features

1. Two remote control modes—infrared and wireless—are available, and the wireless remote control distance is adjustable.
2. Wireless remote control signals boast excellent penetrability and anti-interference capability.
3. Data communication adopts a multi-time handshake protocol and a data compression algorithm, realizing precise and fast data transmission.
4. Powered by two AA batteries.
5. Features an LCD screen that displays parameters and other information.
6. Enters into a sleep mode automatically after 65 seconds of no operation, and gets awakened when any key is pressed.
7. Power consumption in sleep mode is ultra low, with a current as small as 0.2uA.
8. Awakens from sleep mode quickly.
9. Displays battery level.
10. Designed in line with ergonomics and suitable for hand-held operation.

Panel graphics



Connection Diagram



The parameter setting

1) The parameters displaying interface for MPL/MPC/MPC-U/DM120/DM120-U/DM160/DM160-U with "Lead" selected as the "Battery type"

No	Item	Data range	Item description	Adjusting step length	Unit/ notes	Factory default
a	Battery type	Lead, Lithium 12, Lithium 24	Battery type	1	Volt	Lead
b	1st-stage duration	0 ~ 15H	1st-stage operating duration	1H	Hour	4 hrs
c	1st-stage power	0 ~ 100%	1st-stage operating power	10%	Power percentage	100%
d	2nd-stage duration	0 ~ 15H	2nd-stage operating duration	1H	Hour	0 hrs
e	2nd-stage power	0 ~ 100%	2nd-stage operating power	10%	Power percentage	70%
f	3rd-stage duration	0 ~ 15H	3rd-stage operating duration	1H	Hour	4 hrs
g	3rd-stage power	0 ~ 100%	3rd-stage operating power	10%	Power percentage	50%
h	Morning on stage duration	0 ~ 15H	Morning on stage operating duration	1H	Hour	0 hrs
i	Morning on stage power	0 ~ 100%	Morning on stage operating power	10%	Power percentage	30%
j	Light control voltage	5 ~ 15V	Light control point voltage	1V	Volt	10V
k	Light control delay	1 ~ 50M	Light control delay time	5M	Minute	1min
l	Load current	0.15 ~ 6.0A	LED load current	0.03A	Ampere	0.90A
m	Intelligent power	Yes/ No	Intelligent power control	1	Yes: Enabled No: Disabled	No
n	Over-discharge voltage	7.5 ~ 17.0V	Over-discharge protection voltage	0.1V	Volt	11.0V
o	Over-discharge return	7.5 ~ 17.0V	Over-discharge return voltage	0.1V	Volt	12.6V
P	Boost charging	7.5 ~ 17.0V	Boost charging voltage	0.1V	Volt	14.4V
q	Floating charging	7.5 ~ 17.0V	Floating charging voltage	0.1V	Volt	13.8V
r	Restore defaults	Yes/ No	Restore factory defaults	1	Yes: Enabled No: Disabled	No

Note: parameter settings: boost charging > floating charging > over-discharge return > over-discharge voltage

2. The parameters displaying interface for MPL/MPC/MPC-U/DM120/DM120-U/DM160/DM160-U with "Lithium 12" or "Lithium 24" selected as the "Battery type"

No	Item	Data range	Item description	Adjusting step length	Unit/ notes	Factory default
a	Battery type	Lithium 12 Lithium 24	Battery type	1	Volt	Lithium 12
b	1st-stage duration	0 to 15H	1st-stage operating duration	1H	Hour	4 hrs
c	1st-stage power	0 to 100%	1st-stage operating power	10%	Power percentage	100%
d	2nd-stage duration	0 to 15H	2nd-stage operating duration	1H	Hour	0 hrs
e	2nd-stage power	0 to 100%	2nd-stage operating power	10%	Power percentage	70%
f	3rd-stage duration	0 to 15H	3rd-stage operating duration	1H	Hour	4 hrs
g	3rd-stage power	0 to 100%	3rd-stage operating power	10%	Power percentage	50%
h	Morning on stage duration	0 to 15H	Morning on stage operating duration	1H	Hour	0 hrs
i	Morning on stage power	0 to 100%	Morning on stage operating power	10%	Power percentage	30%
j	Light control voltage	5 to 15V	Light control point voltage	1V	Volt	10V
k	Light control delay	1 to 50M	Light control delay time	5M	Minute	1min
l	Load current	0.15 to 6.0A	LED load current	0.03A	Ampere	0.90A
m	Intelligent power	Yes/ No	Intelligent power control	1	Yes: Enabled No: Disabled	No
n	No charging under freezing temperature	Yes/ No	Freezing temperature charging protection	1	Yes: Enabled No: Disabled	No
o	Charging method	0/1	Charging method management	1	0: PWM 1: Direct charging	0
P	Over-discharge voltage	7.5 to 17.0V	Over-discharge protection voltage	0.1V	Volt	10.0V
q	Over-discharge return	7.5 to 17.0V	Over-discharge return voltage	0.1V	Volt	12.0V
r	Overcharge voltage	7.5 to 17.0V	Overcharge charging voltage	0.1V	Volt	14.6V
s	Overcharge return	7.5 to 17.0V	Over-discharge return voltage	0.1V	Volt	13.6V
t	Restore defaults	Yes/ No	Restore factory defaults	1	Yes: Enabled No: Disabled	No

Note: parameter settings: overcharge voltage > overcharge return > over-discharge return > over-discharge voltage

3、 The parameters displaying interface for DH/DH-LI/DL/MH/DM60 with “Lead” selected as the “Battery type”

No	Item	Data range	Item description	Adjusting step length	Unit/ notes	Factory default
a	Battery type	Lead, Lithium 12, Lithium 24	Battery type	1	Volt	Lead
b	1st-stage duration	0 to 15H	1st-stage operating duration	1H	Hour	4 hrs
c	1st-stage power	0 to 100%	1st-stage operating power	10%	Power percentage	100%
d	2nd-stage duration	0 to 15H	2nd-stage operating duration	1H	Hour	0 hrs
e	2nd-stage power	0 to 100%	2nd-stage operating power	10%	Power percentage	70%
f	3rd-stage duration	0 to 15H	3rd-stage operating duration	1H	Hour	4 hrs
g	3rd-stage power	0 to 100%	3rd-stage operating power	10%	Power percentage	50%
h	Morning on stage duration	0 to 15H	Morning on stage operating duration	1H	Hour	0 hrs
i	Morning on stage power	0 to 100%	Morning on stage operating power	10%	Power percentage	30%
j	Light control voltage	5 to 11V	Light control point voltage	1V	Volt	5V
k	Light control delay	1 to 50M	Light control delay time	5M	Minute	1min
l	Load current	0.15 to 6.0A	LED load current	0.03A	Ampere	0.90A
m	Intelligent power	Yes/ No	Intelligent power control	1	Yes: Enabled No: Disabled	No
n	Over-discharge voltage	7.5 to 17.0V	Over-discharge protection voltage	0.1V	Volt	11.0V
o	Over-discharge return	7.5 to 17.0V	Over-discharge return voltage	0.1V	Volt	12.6V
p	Boost charging	7.5 to 17.0V	Boost charging voltage	0.1V	Volt	14.4V
q	Floating charging	7.5 to 17.0V	Floating charging voltage	0.1V	Volt	13.8V
r	Restore defaults	Yes/ No	Restore factory defaults	1	Yes: Enabled No: Disabled	No

Note: parameter settings: boost charging > floating charging > over-discharge return > over-discharge voltage

4、 The parameters displaying interface for DH/DH-LI/DL/MH/DM60 with “Lithium 12” or “Lithium 24” selected as the “Battery type”

No	Item	Data range	Item description	Adjusting step length	Unit/ notes	Factory default
a	Battery type	Lead, Lithium 12, Lithium 24	Battery type	1	Volt	Lithium 12
b	1st-stage duration	0 to 15H	1st-stage operating duration	1H	Hour	4 hrs
c	1st-stage power	0 to 100%	1st-stage operating power	10%	Power percentage	100%
d	2nd-stage duration	0 to 15H	2nd-stage operating duration	1H	Hour	0 hrs
e	2nd-stage power	0 to 100%	2nd-stage operating power	10%	Power percentage	70%
f	3rd-stage duration	0 to 15H	3rd-stage operating duration	1H	Hour	4 hrs
g	3rd-stage power	0 to 100%	3rd-stage operating power	10%	Power percentage	50%
h	Morning on stage duration	0 to 15H	Morning on stage operating duration	1H	Hour	0 hrs
i	Morning on stage power	0 to 100%	Morning on stage operating power	10%	Power percentage	30%
j	Light control voltage	5 to 11V	Light control point voltage	1V	Volt	5V
k	Light control delay	1 to 50M	Light control delay time	5M	Minute	1min
l	Load current	0.15 to 6.0A	LED load current	0.03A	Ampere	0.90A
m	Intelligent power	Yes/ No	Intelligent power control	1	Yes: Enabled No: Disabled	No
n	No charging under freezing temperature	Yes/ No	Freezing temperature charging protection	1	Yes: Enabled No: Disabled	No
o	Charging method	0/1	Charging method management	1	0: PWM 1: Direct charging	0
p	Over-discharge voltage	7.5 to 17.0V	Over-discharge protection voltage	0.1V	Volt	10.0V
q	Over-discharge return	7.5 to 17.0V	Over-discharge return voltage	0.1V	Volt	12.0V
r	Overcharge voltage	7.5 to 17.0V	Overcharge charging voltage	0.1V	Volt	14.6V
s	Overcharge return	7.5 to 17.0V	Over-discharge return voltage	0.1V	Volt	13.6V
t	Restore defaults	Yes/ No	Restore factory defaults	1	Yes: Enabled No: Disabled	No

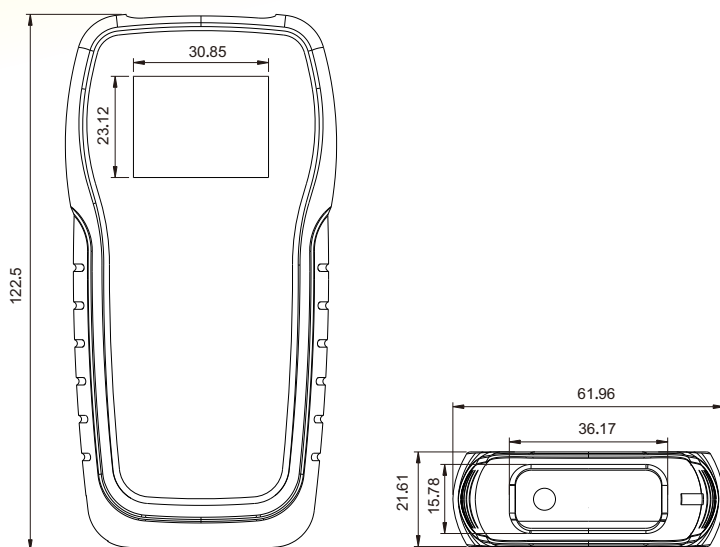
Note: parameter settings: overcharge voltage > overcharge return > over-discharge return > over-discharge voltage

5、 The parameters displaying interface for SES60 (old) with “Lithium 12” or “Lithium 24” selected as the “Battery type”

No	Item	Data range	Item description	Adjusting step length	Unit/ notes	Factory default
a	Battery type	Lithium 12, Lithium 24	Battery type	1	Volt	Lithium 12
b	Normal time	0 to 15H	Normal operating time	1H	Hour	0 hrs
c	Normal power	0 to 100%	Normal operating power	10%	Power percentage	100%
d	Sensing time	0 to 15H	Operating time with sensing in action	1H	Hour	15 hrs
e	Human-detected power	0 to 100%	Operating power with human detected	10%	Power percentage	100%
f	Sensing delay	0 to 150S	Sensing delay time	10S	Second	60S
g	Human-undetected power	0 to 100%	Operating power with human undetected	10%	Power percentage	30%
h	Morning on stage duration	0 to 15H	Morning on stage operating duration	1H	Hour	0 hrs
i	Morning on stage power	0 to 100%	Morning on stage operating power	10%	Power percentage	30%
j	Light control voltage	5 to 11V	Light control point voltage	1V	Volt	5V
k	Light control delay	1 to 50M	Light control delay time	5M	Minute	1min
l	Load current	0.15 to 6.0A	LED load current	0.03A	Ampere	0.90A
m	Intelligent power	Yes/ No	Intelligent power control	1	Yes: Enabled No: Disabled	No
n	Sensing distance	0 to 3	Sensing distance	1	-	0
o	No charging under freezing temperature	Yes/ No	Freezing temperature charging protection	1	Yes: Enabled No: Disabled	No
p	Charging method	0/1	Charging method management	1	0: PWM 1: Direct charging	0
q	Over-discharge voltage	7.5 to 17.0V	Over-discharge protection voltage	0.1V	Volt	10.0V
r	Over-discharge return	7.5 to 17.0V	Over-discharge return voltage	0.1V	Volt	12.0V
s	Overcharge voltage	7.5 to 17.0V	Overcharge charging voltage	0.1V	Volt	14.6V
t	Overcharge return	7.5 to 17.0V	Over-discharge return voltage	0.1V	Volt	13.6V
u	Restore defaults	Yes/ No	Restore factory defaults	1	Yes: Enabled No: Disabled	No

Note: parameter settings: overcharge voltage > overcharge return > over-discharge return > over-discharge voltage

Dimension



Technical parameters

Battery	Size AA × 2
Power supply voltage	3.0V
Effective range	8m (infrared remote control) 15m (wireless remote control)
Sleep power consumption	< 0.2uA
Normal power consumption	5mA
Transient power consumption at the point of transmission	< 50mA
Backlight power consumption	< 15mA
Dimensions	122mm × 61.5mm × 22mm (L × W × H)
Weight	60g (excluding batteries)
No-operation time before auto power off	65s
Backlight time	10s
No. of 2000mAH batteries set	50000 (backlight and light turned off completely)
Operating temperature	-25 to 55°C

The contents of this manual are subject to change without prior notice.