

The remote control RMX-LI
Instruction Manual

Main features

1. Wireless IR remote control can set up the CM-LI series product one by one.
2. The data communications base on the multiple handshake protocol and compression algorithm which made the data transfer fast and accurate.
3. Work on two batteries (Model: AA).
4. LCD indicator shows the parameter and data.
5. The remote control will enter intelligent sleep state after One min no any operate, and press any key to resume.
6. Low-energy sleep mode, less than 0.1uA.
7. Fast wake-up function.
8. Battery capacity indicator.
9. Emergency light and hazard lights.
10. with ergonomic design, suitable for the hand-held operation.

Panel graphics



The parameter setting

1. Lead-acid battery interface

Item	Name abbreviation	data scope	Name describe	step-length	unit	Factory Default
a	Bat Type	-----	Battery type choosing	-----	Lead-acid battery	Lead
b	1st time	0 ~ 15H	The first working time	1H	Hour	4 hour
c	1st power	0 ~ 100%	The first working time power	10%	Power (percentage)	100%
d	2nd time	0 ~ 15H	The second working time	1H	Hour	0 hour
e	2nd power	0 ~ 100%	The second working Time power	10%	Power (percentage)	70%
f	3rd time	0 ~ 15H	The third working time	1H	Hour	4 hour
g	3rd power	0 ~ 100%	The third working Time power	10%	Power (percentage)	50%
h	Mor time	0 ~ 15H	Morning light working time	1H	Hour	0 hour
i	Mor power	0 ~ 100%	Morning light working time power	10%	Power (percentage)	30%
j	L-Con-V	5 ~ 11V	Light control voltage	1V	Volt	5V
k	L-Con-DT	1 ~ 50Mins	Light control delay time	5M	Mins	5min
l	L-Current	0.15~ 3.42A	LED load current	0.03A	A	0.90A
m	Smart Pow	0 ~ 1	Smart power control	1	0: Off1: On	0
n	Over-DV	9.8 ~ 11.8V	over-discharging protected voltage	0.2V	Volt	11.0V
o	Over-DRV	12.0 ~ 13.0V	over-discharging recover voltage	0.2V	Volt	12.6V
p	Boost-CV	14.2 ~ 15.0V	Ascending charging voltage	0.2V	Volt	14.4V
q	Float-CV	13.2 ~ 14.0V	Float charging voltage	0.2V	Volt	13.8V
r	Re-Def	0 ~ 1	Restores factory default values	1	1: On	-

Notes: Boost-CV > Float-CV > Over-DRV > Over-DV








2.Lithium battery interface

Item	Name abbreviation	data scope	Name describe	step-len gth	unit	Factory Default
a	Bat Type	-----	Battery type choosing	-----	Lithium battery	Lithium
b	1st time	0 ~ 15H	The first working time	1H	Hour	4 hour
c	1st power	0 ~ 100%	The first working time power	10%	Power (percentage)	100%
d	2nd time	0 ~ 15H	The second working time	1H	Hour	0 hour
e	2nd power	0 ~ 100%	The second working Time power	10%	Power (percentage)	70%
f	3rd time	0 ~ 15H	The third working time	1H	Hour	4 hour
g	3rd power	0 ~ 100%	The third working Time power	10%	Power (percentage)	50%
h	Mor time	0 ~ 15H	Morning light working time	1H	Hour	0 hour
i	Mor power	0 ~ 100%	Morning light working time power	10%	Power (percentage)	30%
j	L-Con-V	5 ~ 11V	Light control voltage	1V	Volt	5V
k	L-Con-DT	1 ~ 50Mins	Light control delay time	5M	Mins	5min
l	L-Current	0.15~ 3.42A	LED load current	0.03A	A	0.30A
m	Smart Pow	0 ~ 1	Smart power control	1	0: Off1: On	0
n	0°C chg-P	0 ~ 1	0°C charging protection	1	0: Off1: On	0
o	Chg- Mode	0 ~ 1	Charging mode control	1	0:PWM1:DC charging(Remark)	0
p	System-V	12~48	System voltage setting	12	Volt	12v
q	Over-DV	9.0~17.0v	over-discharging protected voltage	0.1v	Volt	10.0v
r	Over-DRV	9.0~17.0v	over-discharging recover voltage	0.1v	Volt	12.0v
s	Over-CV	9.0~17v	Over-charging voltage	0.1v	Volt	14.6v
t	Over-CRV	9.0~17.0v	over-charging recover voltage	0.1v	Volt	13.6v
u	Re-Def	0 ~ 1	Restore to default values	1	1: On	-

Notes: Over-CV > Over-CRV >Over-DRV >Over-DV

Remark: DC charging means Direct charging.

Sign instruction

						
Remote control energy	sending	Sent successfully	Sent failed	Test mode	Key lock	Key unlock

Hummer respond

Hummer respond	Instruction
--- (three short sounds)	Sent failed
- (a long sound)	Sent successfully
-- (two long sounds)	Restores factory default values
-- (two short sounds)	Key lock
- (a short sound)	Lock release

Running status

Item	Name abbreviation	Name describe	Unit	Describe
a	System-State	Display the system state currently remark 1	-	-
b	Battery Volt	Currently battery voltage	V	Volt
c	Load Volt	Currently load voltage remark 2	V	Volt
d	Temp	Currently ambient temperature	°C	Centigrade
e	Run-Day	Total running days	D	days
f	Over-D- T	Battery over-discharge times	N	days
g	C- Fully -T	Charge the battery fully times	N	days
h	Today- HV	Today highest voltage	V	Volt
i	Today- LV	Today lowest voltage	V	Volt
j	1- Ago- LV	A day ago lowest voltage	V	Volt
k	1-Ago- HV	A day ago highest voltage	V	Volt
l	2—Ago- LV	Two days ago lowest voltage	V	Volt
m	2- Ago- HV	Two days ago highest voltage	V	Volt
n	3-Ago- LV	Three days ago lowest voltage	V	Volt
o	3-Ago- HV	Three days ago highest voltage	V	Volt
p	4-Ago- LV	Four days ago lowest voltage	V	Volt
q	4-Ago- HV	Four days ago highest voltage	V	Volt
r	5-Ago- LV	Five days ago lowest voltage	V	Volt
s	5-Ago- HV	Five days ago highest voltage	V	Volt
t	6-Ago- LV	Six days ago lowest voltage	V	Volt
u	6-Ago- HV	Six days ago highest voltage	V	Volt
v	7-Ago- LV	Seven days ago lowest voltage	V	Volt
w	7-Ago- HV	Seven days ago highest voltage	V	Volt
x	Pro -Date	Date of production	-	-
y	Model	Product model	-	-
z	Version	version number	-	-

Remark 1: The system state show "E-LED" means that the Load was short circuit or open circuit.

Remark 2: The load voltage means that the voltage of positive pole between load and battery, when the load working normally, this voltage equals to both ends of the load voltage.

Technical parameters

Battery model	(AA) × 2pcs
power supply voltage	3.0V
Effective distance	<5m
power consumed of sleep mode	<0.1uA
Normal power consumed	9mA
Send instant power consumed	<50mA
Light consumption	20mA
Backlight consumption	18mA
Size	122mm×61.5mm×22mm (L×W×H)
Weight	60g (Not including the battery)
Auto power off time	1 min
Backlight time	10 S
Lighting time	10 S
2000mAH battery setting quantity	50000 pcs (back light and lights both are closed)
Working temperature	-25℃ ~ 55℃