

★Thank you for selecting the 2.4G Remote Controller(RC11) which is compatible with 2.4G road solar controller. Please read this manual carefully before using the RC11.

2.4G Remote Controller——RC11

1. Overview

2.4G remote controller is an accessory which is compatible with the road solar controller. The function is to set the system voltage, battery type, control parameters, working time and current of LED lamp, etc, and view the working status of system and load test function. The main features are:

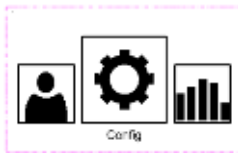
- ◇ Setting parameter via 2.4G wireless communication
- ◇ 2.4G and IR communication mode
- ◇ One-key parameter sending, one-to-one setting
- ◇ Compatible with road solar controller
- ◇ Dot matrix LCD display
- ◇ Load test mode, detection system connection timely

2.Product Features



3.LCD Display

(1)Configuration Interface



Parameters	Setting range
Rated Volt	12V/24V
Rated Curr	0.10~6.00A, Step length 0.01A
Bat. Type	MnNiCo+/LiFe+/Flooded/Gel/Seal

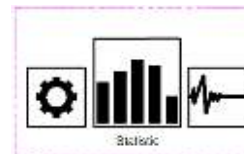
MnNiCo+/LiFe+	Flooded/Gel/Seal	
Intelligent	Intelligent	OFF/ON
UVWR★	UVWR★	9-17V, Step length 0.1V(12V)
UVW★	UVW★	18-34V, Step length 0.1V(24V)
Decrease★	Decrease★	1%~100%, Step length 1%
Charge Temp★	-----	-40~10°C, Step length 1°C
Discharge Temp★	-----	-40~10°C, Step length 1°C
OVD	OVD	
CLV★	CLV★	
OVR★	OVR★	
-----	ECV★	
BCV	BCV	9-17V, Step length 0.1V(12V)
-----	FCV	18-34V, Step length 0.1V(24V)
BVR★	BVR★	
LVR	LVR	
LVD	LVD	
DLV★	DLV★	
Boost Time	Boost Time	0~180M, Step length 10M
-----	EQV.Time	
Load Mode		ON/OFF/Mode1/Mode2/Mode3
ON/OFF	Mode1/2/3	
-----	Time1-6(Hour)	0~15H, Step length 1H
-----	Time1-6(Minute) ▽	0~55M, Step length 5M
Rated Percent	Percent1-6	0~100%, Step length 1%
-----	Alpercent1-6▲	0~100%, Step length 10%
-----	AlholdTime▲	0~250S
-----	Delay Time Min★	0~60M, Step length 1M
-----	Delay Time Sec★	0~55S, Step length 5S
-----	Delay Volt★	0~18V, Step length 1V

★When user switch the “Basic” over to “Stand” under the User interface, the Configuration Interface will display these parameters.

▲When the protocol is selected as “AI” under the User interface, the Configuration Interface will display these parameters.

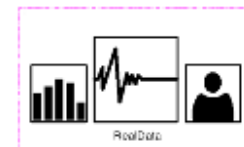
▽When the protocol is selected as “2.0” under the User interface, setting the parameter is invalid.

(2)Statistic interface



Statistic	Charge Info	Discharge Info
PV MAX	Day	Day
PV MIN	Month	Month
BAT MAX	Year	Year
BAT MIN	Total	Total

(3)Real Data interface



Device Status	Battery Info	PV Info	Load Info
Battery	BatVolt	PV Volt	Load Volt
InCharge	BatCurr	PV Curr	Load Curr
DisCharge	Temp	Power	Power

(4) User interface


Parameters		Instruction
Language	ZhPRC/EnUS	-----
User	Basic/Stand	-----
PORT	IrDA	-----
	Wireless	The POWER/Config Password/DEV Password items will be displayed when the "Wireless" is selected in this interface.
Protocol◆	2.0	SV2.22—LS-LPLI series controller SV3.20—Tracer-LPLI series controller
	3.0	LS-LPLW series controller Tracer-LPLW series controller
Backlight	0-60S	Step length10S
POWER▼ (Send Power of Wireless)	Auto	Press the button, search for the send power of wireless automatically
	Minimum, Weak, Middle, Strong, Maximum	Press the button, set the send power of wireless, the stronger that of the send power and the longer that of the send distance.
Software Ver	1.08	-----
Version	Controller's model, Software and Hardware Version	Press the button, update the hardware and software version of the controller automatically NOTE: The RC11 don't save data, it will be cleared after the RC11 power off.
Config Password▼	4 digits	Step1: enter the controller passwords. Step2: press the button. Step3: If the password is correct, you can send the setting parameters to RC11. If the password is error, please return to the steps1.
DEV Password▼	4 digits	1.Enter the new password twice, press the button to save the password, and interface prompt "password saved" 2. Press the button send password or press the button to give up the new password 3. Press the button,interface prompt "password sended", the controller's password be set successfully.
Trans. Mode◇	-----	Press the button ,the charging indicator is OFF

◆NOTE: Before using the 2.4G remote controller, please confirm its software version number(on the table and picking box), and then set the Protocol accordingly, so that the controller's parameters can be successfully.

▼When the PORT is selected "Wireless", POWER, Config Password and DEV Password will be displayed in the User interface.

◇The mode can reduce battery capacity loss during transporting.

4. Buttons

Buttons		Function	
	Esc	Exit the current interface/Cancel saving parameters	
	Up	Browsing interface: Up/Down Setting interface: Up/Down	
	Down	Modify parameter:+/-	
	OK	Enter the interface/Enter modify parameters	
	Read	Read the model Read real-time data Read configuration parameters	A beep, read successfully; Three beeps, read unsuccessfully
	Send	Send the set parameters to the controller☆	
	Test	Press the button to turn on/off the load	
	Flashlight	Press the button to turn ON the flashlight	

☆When the controller's charging indicator(Green) and battery indicator(orange) flash for 2 times, it shows that the parameters are set successfully.

5. Technical Specifications

Item	RC11	
Apply to model	LS-LPLI series Tracer-LPLI series	LS-LPLW series Tracer-LPLW series
Battery	2 batteries (size AA)	
Power supply voltage	3VDC	
Communication distance	IrDA ≤10m	Wireless ≤20m
Self-consumption	20uA	
Sending consumption	37mA	
Backlight consumption	3mA	
LED consumption(flashlight)	11mA	
Environment temperature	0~45℃	
Enclosure	IP40	
Overall dimension	138 × 58 × 21mm	
Net weight	72g	

Any changes without prior notice! Version number: V2.0