

# JT-DPM-CP

Wireless remote control for DPM power supplies



## 1. GENERAL INFORMATION

Dear customer,

thank you for choosing our product. In the following, we will show you how to use your product.

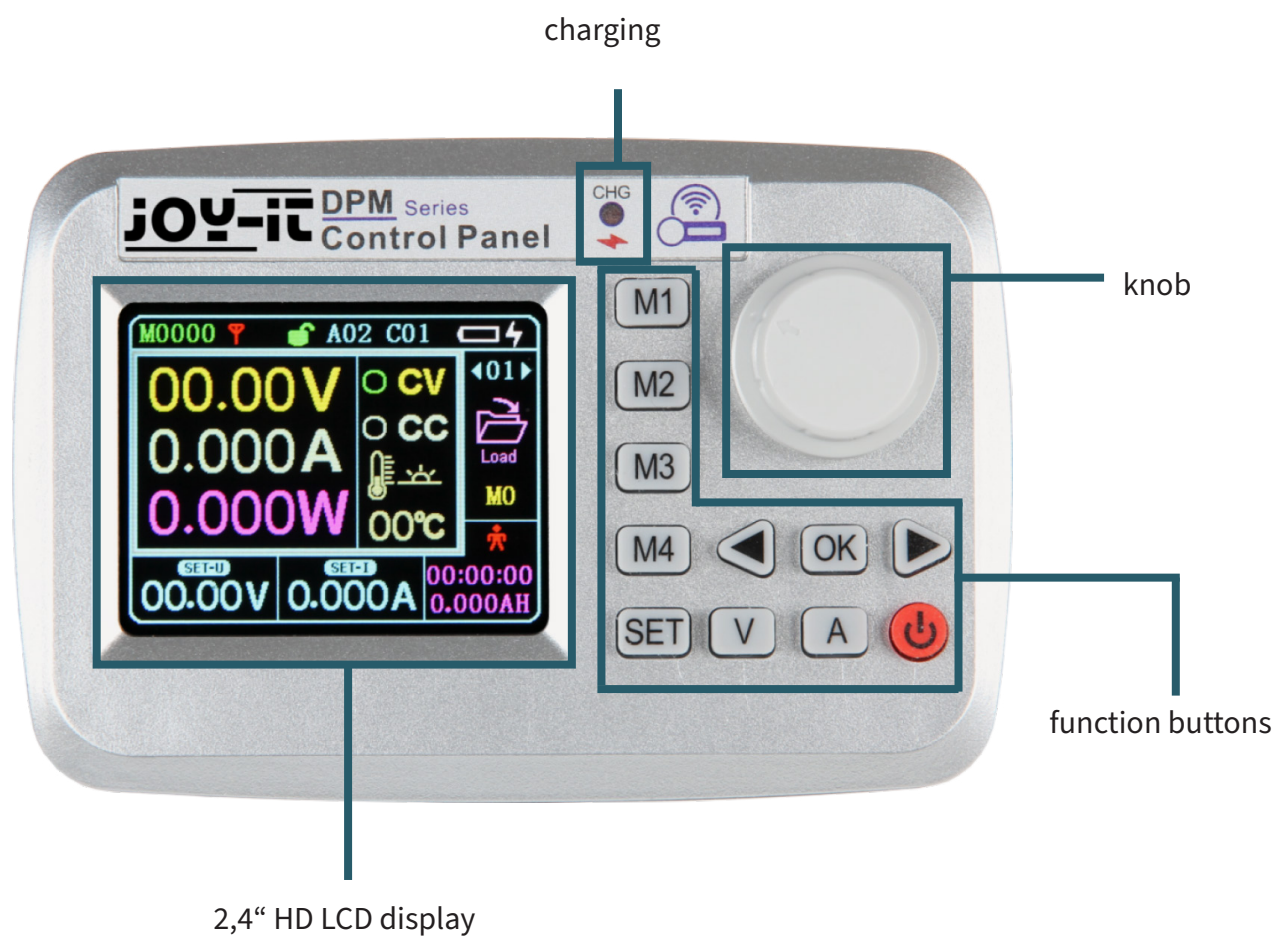
Should you encounter any unexpected problems during use, please do not hesitate to contact us.

This wireless remote control uses a 2.4 GHz RF-module to send signals to the power supply and to receive signals from the power supply. Moreover, it has a range from up to 10 meters. It has a built-in 3.7 V and 2000 mAh lithium battery which is rechargeable and can be thereby used more than 10 hours consistently. Additionally, it has a 2.4 inch TFT display with a high resolution. The settings can be easily and fast adjusted because of the multi-functional buttons and a knob.

## 2. TECHNICAL SPECIFICATIONS

Compatible to	DPM8600 serie
Wireless transmission	Radio frequency
Range	10 m (without any obstacles )
Communication addresses	00 - 99
Communication channels	00 - 30
Frequency	2,4 GHz
Display	2,4" TFT LCD
Battery	3,7 V / 2 A
Dimensions	120 · 80 · 25 mm
Input voltage	5 V

## 3. STRUCTURE





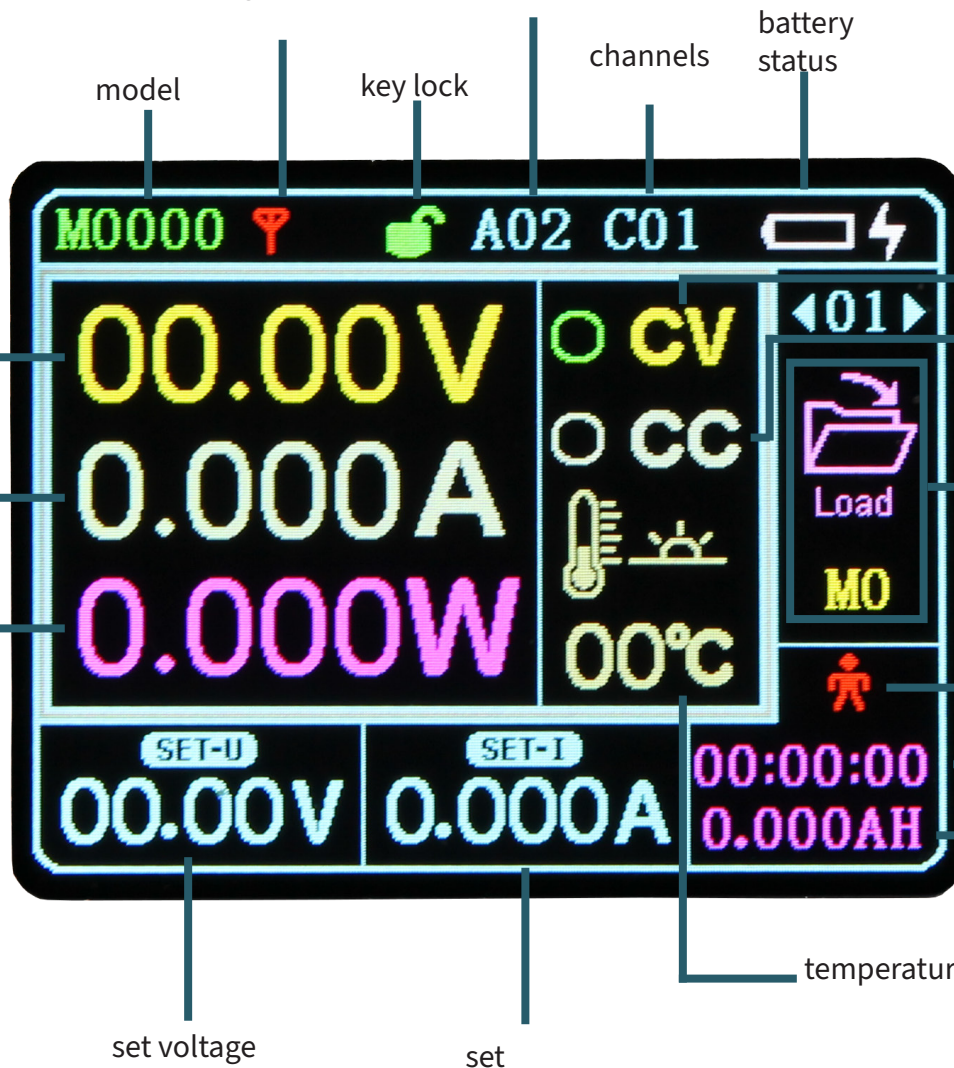
charging  
socket



USB port

addresses

signal



model

key lock

channels

battery  
status

output

output

output

set voltage

set

temperature

constant voltage

constant current

settings

operating status

operating  
time

electric  
charge

### 3. FUNCTIONS

1.	Load	Loads the values from the memory locations M1 - M9
2.	Save	Saves the values in the memory locations M1 - M9
3.	Clear	Reset the electric charge and the operating time.
4.	Address	The 99 communication addresses are numbered from 01 to 99. Each address can have a power supply which can be controlled simultaneously.
5.	Channel	The 30 communication channels are numbered from 01 to 30. Each channel can have a power supply which can be controlled simultaneously. If the channel 00 is displayed, no device is in the range.
6.	Quick response	If “Quick response“ is activated, time time is reduced which is needed to adjust the voltage from a high one to a lower one.
7.	Auto output	If the “Auto input“ is activated, the outputs is automatically turned on by the start of the power supply (ON → active). If this function is deactivated, the output has to be turned on manually (OFF → inactive).
8.	Upper limit setting	Set the values of voltage and current as upper limit. To confirm it, you must press “OK“. If the upper limit is reached, the remote control shows a “MAX“.
9.	Lower limit setting	Set the values of voltage and current as lower limit. To confirm it, you must press “OK“. If the lower limit is reached, the remote control shows a “MIN“.
10.	Limit reset	Resets the lower and the upper limit.
11.	Brightness	The brightness can be adjusted from 1 % up to 100%.
12.	Auto P. OFF	The automatic shutdown can be adjusted with a delay from up to 30 minutes. The default setting is by 00 seconds and it can be adjusted in 10 seconds steps. After the shutdown, the device must be booted manually.
13.	Language	It is possible to change the language. The languages English and Chinese are selectable.
14.	Restore to DFT. setting	The factory settings of the remote control can be restored but the remote control is not capable of restoring the factory settings of the power supply.
15.	About	This function displays the name of the product, the name of our company and our website. On this website, can you find more information about this product.



## 4. SETUP

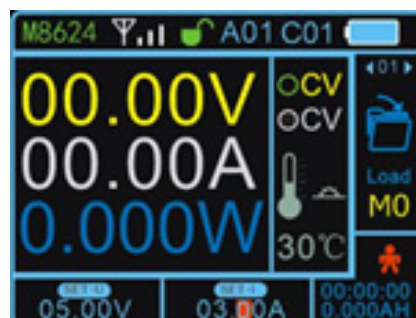
### Configure connection

To connect the remote control, you have to open the same channel and the same address with the remote control and with the power supply. Thereby

### Adjust values of voltage and current

To adjust the voltage, press “V” to select the first digit in the voltage settings. With the knob, it is possible to change the value. The other digits can be selected through the arrow keys which can be adjusted with the knob either. You must press “V” to confirm your settings.

To adjust the current, you have to press “A” and you can navigate through the current settings the same way as in the voltage settings. With “A” you can confirm your settings.



If the load current reaches the set current, the output is at the same level as the set current and constant current. Then the CC light comes on.

If the load current is below the set current, the output is a constant voltage. The CV light comes on.

## **SET menu**

To open the SET menu, press “SET”. There you can find all function like Load, Save etc. which can be selected. With the knob or with the arrow keys is it possible to select the different modes and with “OK” you open the menu points and confirm there your adjustments or rather run the different functions. The different values in the menu points can be adjusted with the knob and the arrow keys.

## **Boost charge**

The remote control also has the function of a boost charge because it has the keys M1, M2, M3 and M4. With these keys is it possible to load directly the values from memory locations with the same name as the keys. Normally they must be selected in the SET menu.

## **Key lock**

You can activate the key lock with holding down “SET”. To unlock it again hold it down again. If the key lock is activated, a red lock is displayed. In contrast to green open lock which displays the deactivated key lock.



## **Upper and lower limit**

You can set the upper and lower limit in the SET menu. First you have to adjust the desired values of voltage and current in the voltage and current settings. After that you open the SET menu and run the requested limit. The earlier set value is now saved as the minimum or the maximum. The remote control shows “MIN” or “MAX” if it reaches the limit with your adjustments. To reset the limits again, you have to run the function Clear from the SET menu.

## 5. DECLARATION OF CONFORMITY

Hereby, Simac Electronics Handel GmbH declares that the radio equipment type JT-DPM-CP is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:

[www.simac-gmbh.de/CE/jt-dpm-cp.pdf](http://www.simac-gmbh.de/CE/jt-dpm-cp.pdf)

information on transmission power and frequency band:

frequency band: 2412 ~ 2472 MHz

max. transmission power: 11.93 dBm

## 6. SUPPORT

If any questions remain open or problems arise after your purchase, we are available by e-mail, telephone and with a ticket support system to answer these.

E-Mail: [service@joy-it.net](mailto:service@joy-it.net)

Ticket-System: <http://support.joy-it.net>

Telephone: +49 (0)2845 9360 – 50 (Mon. - Thur.: 08:45 - 17:00 o'clock, Fri.: 08:45 - 14:30 o'clock)

For further information visit our website:

[www.joy-it.net](http://www.joy-it.net)