User Manual

30-Port Smart USB Type-C Charging Trolley

V. 1.1

Contents

1. INTRODUCTION

Thank you for buying SCMR30, the 30-Port Smart USB Type-C Charging Trolley. It is a central unit that can recharge multiple smart devices (like Apple Macbook, Surface Pro) at the same time. Previously, each of these smart devices had to be individually connected to the wall socket which was tedious and time-consuming. With the Smart USB Type-C Charging Trolley, you can easily recharge the battery efficiently and cost effectively.

The 30-Port Smart USB Type-C Charging Trolley can simultaneously charge 30 ports Type-C devices. With 5V to 20V charging voltage and 3A quick charging current, it is the industry's only charging device with single port output at 60W. All Type-C smart devices in the market are supported via PD 3.0 and the 30-Port Smart USB Type-C Charging Trolley also provides this company's network monitoring module for charge management to simultaneously manage multiple trolleys and conveniently provide charging information.

The 30-Port Smart USB Type-C Charging Trolley, SCMR30, is easy to use. Please refer to this user manual for future use. If you need any further assistance, please contact your local dealer.

Additionally, the smart and convenient design of the 30-Port Smart USB Type-C Charging Trolley provides enough room to place 10 devices at the bottom layer. The drawer is designed for convenient access, making it easy to store or install devices. In summary, the 30-Port Smart USB Type-C Charging Trolley helps save costs in the following areas: save on storage space, labor for managing multiple power sources, a more safe and reliable multi-device charging solution, and reducing the costs and complications of maintenance.

2. SAFETY INFORMATION

Please read, understand, and follow all the safety information contained in this guide prior to using our product.

Indoor Use

This product is intended for indoor use. Any misuses could damage the product and/or create unsafe operating conditions.

Location

Select a location where the airflow is not obstructed.

Place the product on a flat, level surface at least two feet from any heat source, such as ranges or heater.

Keep all liquids away from the product.

Cleaning

Turn the product off and unplug it before cleaning.

Use only a dry, soft cloth to wipe the outside of the product.

Smart Devices

Please properly place your smart devices or power pack on a surface so that it will not fall or drop.

Plug and Socket

figure 1	figure 2

The image above is a EU standard plug and outlet. Actual products will be based on the customer's country or region.

3. INSTALLATION

Please read, understand, and follow all the safety information contained in this guide prior to using our product.

3.1 Package Content

Please check package content before starting the installation. If any component is missing or defective, please contact your local distributor.

- 1 x SCMR30
- 1 x Power Cord
- 1 x User Manual

3.2 Power

Plug the power cord onto the unit (SCMR30) then plug it to a power outlet.

4. PANEL INFORMATION

The front panel and buttons of the trolley provide basic charging instructions. First of all, please understand that the charging mode of a smart device will start with fast charging and end with slow charging. The smart device will switch between them automatically according to the battery status.

Correctly interpreting the information on the panel can help you understand the battery charging information and the real status of the battery, helping you effectively manage the device to achieve the purpose of maintaining its battery life.

4.1   The front Panel

A. This displays all charging ports on the Trolley device; a lit indicator means a charging port is currently in use.

B. Yellow frame 2: The image below shows the status of charging ports, schedule modes, and main menu.

C. The image below shows the directional control keys.

Up

Left   **Right**

Down

4.2   **Charging port status indicators (refer to 4.1 frontal panel view):**

A. Charging port LED indicator status:
  - Dim/no indicator: No connected devices or the port has not been selected
  - USB Type-C Port Red: Select this USB Type-C port
  - Blue, flashing slowly: Charging, no quick charge (note)
  - Blue, flashing quickly: Quick charging (note)
  - Blue indicator: The port has completed charging
  - Purple (red base, blue indicator) flashing slowly: The selected USB Type-C port is charging without quick charge (note)
  - Purple (red base, blue indicator) flashing quickly: The selected USB Type-C port is quick charging (note)
  - Purple indicator (red base, blue indicator): The selected USB Type-C port has completed charging

※ Note:
  i.   Charging current of less than 1A is standard charging, higher than 1A is quick charging
  ii. A slowly flashing indicator flashes once per second, quick charging indicator flashes twice per second

B. Charging port status display (refer to basic operations in chapter 5 for more details)

5. OPERATION

This chapter details the basic daily operations of charging with the 30-Port Smart USB Type-C Charging Trolley.

5.1   Standard conditions
    a. Use the aforementioned charging cable, connecting one end to the panel's power port and the other to a power outlet.
    b. Turn on the power switch
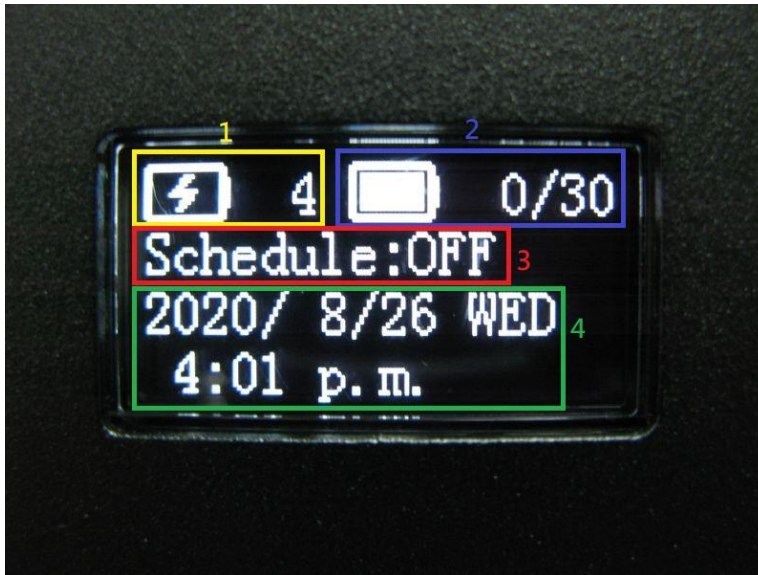   c. Prepare USB Type-C cables to charge your devices

5.2   Connection instructions
    a. Connect the USB Type-C cable to your device.
    b. Connect the other end of the USB Type-C cable to any charging port.
    c. The LED indicator corresponding to the charging port will display the current charging mode (refer to 4.2 for details on LED status indicators)
    d. The display will automatically toggle to the latest port and display the port's number.

e. As above, the display will also show the port's current, voltage, and charging capacity.

f. When the charging port's LED indicator remains lit, it means charging is complete.

5.3   Settings

a. Main menu settings

Main menu status indicators are as follow:

- The yellow frame displays the current number of devices being charged
- The blue frame shows the current number of devices that have completed charging/the total number of devices that can be supported
- The red frame shows possible scheduled charging: On or Off
- The green frame shows date and time display

a.1   Simultaneously press the "left" and "right" keys to enter settings mode, press the "down" key to enter the schedule menu, press the "left" or "right" keys to activate or deactivate the schedule function

a.2   Next, adjust time and date by pressing the "up/down" keys to select date, then using the "left/right" keys to set date

a.3   Continue and press the "down" key to enter time settings; time can be set similarly to date settings

Once all settings are complete, press and hold the "left" key to exit to the save settings menu, select Yes then press and hold the "left" key to return to the main menu.
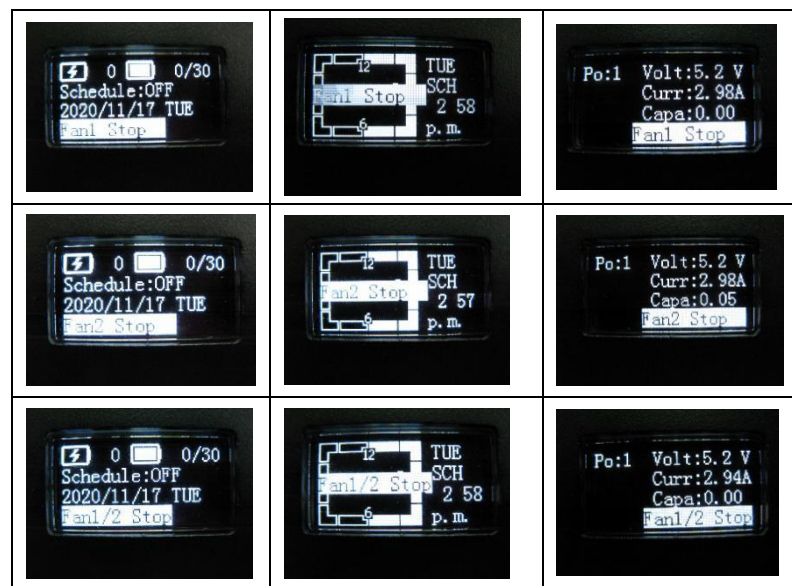
※ Notes

1. Fan self-detect

   When the system is turned on, Fan1 and Fan2 will start for about 10 seconds to check themselves (the fan will bring out the airflow), and then stop automatically. (This self-test will not show the fan operation message on the display panel).　If the fans keep not-working, please contact the after-sales for technical support.

2. Fans work only when needed

   System will detect the power loading automatically. If the temperatures get high, system will active a fan for cooling until the power loading getting low. Once the system detects that the activated fan has stopped, a notice will pop up on any screen to show Fan 1 Stop, Fan 2 Stop, or Fan 1/2 Stop on any screen as shown in the images below:

   The setting operation can still be used normally and will not be affected by these message.

3. **Fan1 Stop:**

   The location of Fan 1 is as shown in the yellow frame:

   Fan 1 is located at the top of the trolley and can be seen from the exterior.　If "Fan 1 Stop" is displayed, please restart the system and

check the fan; if "Fan 1 Stop" is still displayed 10 seconds after startup, please contact the

after-sales for technical support. At this point, the system will automatically reduce load to ensure that protective systems continue to operate; users can still charge devices without impact, but charge times might become longer.

4. **Fan2 Stop:**

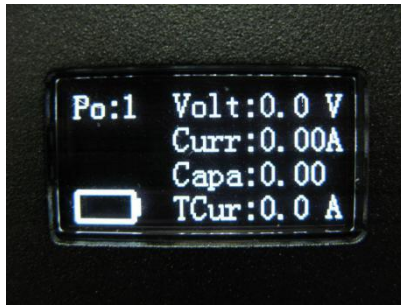The location of Fan 2 is as shown in the yellow frame:

Fan 2 is installed in the bottom of trolley. It can be easily seen when rear door is opened. If "Fan 2 Stop" is displayed, please restart the system and check the fan; if "Fan 2 Stop" is still displayed 10 seconds after startup, please contact the

after-sales for technical support. At this point, the system will automatically reduce load to ensure that protective systems continue to operate; users can still charge devices without impact, but charge times might become longer.

5. **Fan1/2 Stop:**

If "Fan 1/ 2 Stop" is displayed, please restart and check the fans; if Fan 1/2 Stop is still displayed 10 seconds after startup, please contact the after-sales service center. At this point, the system will automatically reduce load to ensure that protective systems continue to operate; users can still charge devices without impact, but charge times will become longer.

b. Single port indicator menu

b.1 In the main menu, press and hold the "right" key to enter the single port indicator menu

Charging port status indicators

i. Po：xx (1～30) --> displays current charging port

ii. Volt：Voltage of current charging port (volt is displayed as V, if no devices are connected to the port, 0V will be displayed)

iii. Curr：Current in charging port (Amperage is displayed as A)

iv. Capa：Total power capacity of current port (no display unit, default unit is Amperage/hour Ah.)

v. TCur：Total current of all charging ports (Amperage is displayed as A)

vi. Battery icon in bottom left corner:
 Device is not connected
 Device is connected with standard charging
 Device is connected with quick charging
 Charging has completed for the device
Next, press the "up" "down" "left" "right" keys to select a port to view its charging information

b.2 The system can automatically detect and support the following current modes:

i.   DC-5V：

Left image shows single port charging, so Curr and TCur values are similar

ii.   DC-9V：

iii.   DC-12V：

iv.   DC-15V：

v. DC-20V :

C. Schedule settings

c1. In the main menu, press and hold the "left" key, or press and hold the "right"

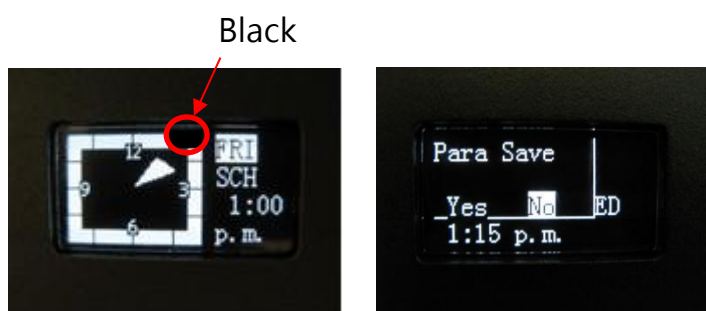key in the single port indicator menu to go to the schedule menu

c2. Press and hold the "left" and "right" keys to enter schedule settings ("week"

should be highlighted)

c3. Use the "up" and "down" keys to highlight settings and make adjustments

similarly to the methods for date and time as detailed in a.2 and a.3

c3.1 When the schedule is set to adjust the charging period, select the time period to be adjusted, in the picture it's 1:00 p.m. with anti-white area. Select and long press the right button(as shown in the picture below left), The anti-white area will become anti-black. In contrast, anti-black will become anti-white (anti-white is on, anti-black is off). After all settings are completed, long press the "left" button will pop up a screen. Press the left or right button to select Yes or No. Select No will not save any set value; Select Yes to save the set value. Then press and hold the "left" button to finish saving and return to the main screen.

Black

※ The minimum unit for scheduled charging is hour with a total of 3 modes as shown below

1. SCH (School mode)：

The default setting of this mode is Monday to Friday with charging activated from 8:00am~6:00pm; charging is deactivated on Saturdays and Sundays. Users can freely set the charging periods

2. HOD (Holiday mode)：

The default setting of this mode is NOT charging from Mondays to Sundays. If users would like add some charging periods, users can freely set the charging periods.

3. CTM (Custom mode)：

The default setting of this mode is charging from Mondays to Sundays all the time.　If users would like remove some charging periods, users can freely set the charging periods.

6. SPECIFICATIONS

Model Number	SCMR30
Display	OLED display - Displays current, voltage, and power capacity (Ah) of designated USB Type-C ports Display settings: Time and schedule settings
	LED indicators - Red: Select designated USB Type-C port Blue, flashing slowly: Charging without quick charge Blue, flashing quickly: Charging with quick charge Blue indicator: The port has completed charging Purple (red base, blue indicator) flashing slowly: The selected USB Type-C port is charging without quick charge Purple (red base, blue indicator) flashing quickly: The selected USB Type-C port is charging with quick charge Purple (red base, blue indicator): The selected USB Type-C port has completed charging
charging capacity	30 devices (maximum single port charge: 60W)
Device storage dimensions	31 x 363 x 250 mm (W x D x H)
Supported devices	30 USB Type-C ports are provided for 14" USB Type-C devices and below
Charge type	1. USB Type-C port (includes overload protections for single port current and total output) 2. Support for USB PD3.0 specification

Power	Input socket: AC 220~240 V, 50Hz,10A
	External output sockets x2 -
	  • AC 220~240V , 50Hz; Maximum output：10A
	  • When the external sockets and charging devices are used at the same time, the maximum total output power is 2200W (10A). when the using power was over the limitation, the protection switch will be activated. All devices enter the power-off protection mode, please arrange the usage in order to reduce the total power and then re-open the protection switch and re-apply power.

	Energy efficient and high performance silent fan smart PFC (100~240V) power supply x 3 Specifications: Input: AC100 ~ 240V, 50/60 Hz, 8A Max. Output: DC-24V/16.7A, 400W Max
	USB Type-C output x 30 port, 10 ports in each layer of the 3-layer system Single port output specifications: 1. DC-5V, maximum current output 3A, maximum power 15W 2. DC-9V, maximum current output 3A, maximum power 27W 3. DC-12V, maximum current output 3A, maximum power 36W 4. DC-15V, maximum current output 3A, maximum power 45W 5. DC-20V, maximum current output 3A, maximum power 60W

Cable management	Independent cable organization rack and fixed slot dividers
Dividers	Fixed slot dividers
Anti-theft mechanism	Both front/rear doors include anti-theft locks
Dimensions (W x D x H)	532 x 503 x 1112 mm (including height of casters, hidden handles)
Package dimensions (W x D x H)	550 x 520 x 1150 mm
Internal dimensions	31 x 362.8 x 250 mm (upper layer) 31 x 362.8 x 250 mm (middle layer) 31 x 362.8 x 250 mm (bottom layer)
Casters	3″ Omni-directional casters x 4 (2 of casters can be locked)
Cooling fans	1. Power supply: Ultra-quiet ball bearing fan x 1, temperature sensitive design, low noise fan is under 28dB 2. System fans Upper layer: 8 cm ultra-quiet ball bearing fan x 1 Lower layer: 8 cm ultra-quiet ball bearing fan x 1
Product weight	Around 62Kg
Product weight (with packaging)	Around 67Kg

7. TECHNICAL SUPPORT

Please contact your local dealer for technical support issue.

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CE Statement: This is a Class B product in the domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.