Manuals+ — User Manuals Simplified.

Pytes Battery Hub E-Box-48100R Expansion User Guide

Pytes Battery Hub E-Box-48100R Expansion
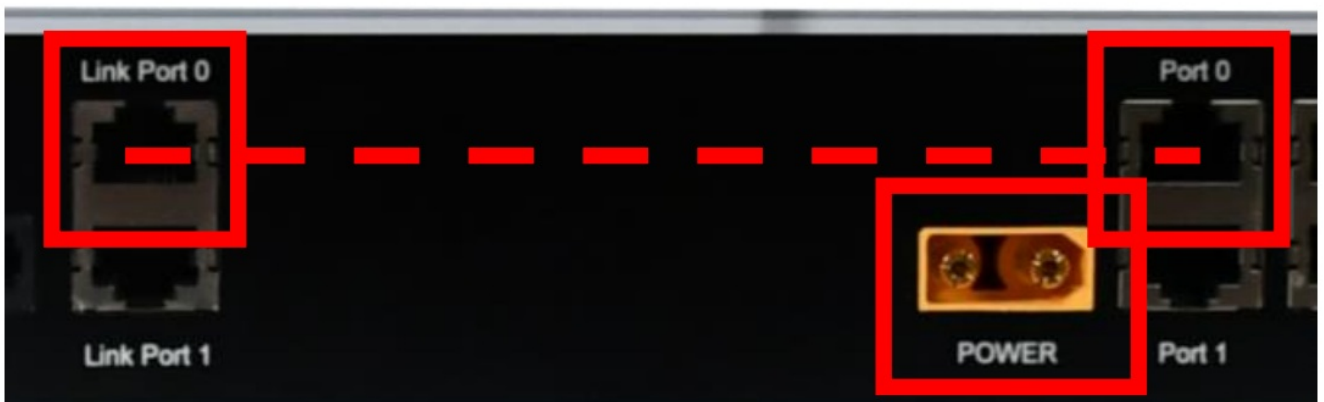

Contents

Check the accessories list

- HUB*1

- Internal cable*1

- Power cable*1
- Battery Comm cable*1

Connect the power cable and internal cable

1. Connect Link Port 0 and Port 0 by internal cable.
2. Plug in the power cable and connect the rings to the Busbar or other power source.

Connect the battery groups

1. Connect the batteries into a group.

   Link one battery Port 0 to the other battery Port 1 one by one. Note that leave the Port 0 of the master battery empty. Set the DIP switch of each master battery as follow. Each group supports up to 8 batteries in parallel.

Group1		Group5	
Group2		Group6	
Group3		Group7	
Group4		Group8	

Graphic The black part is the lever

Note: If the DIP switch of your battery is 4-digit, please only set the first 4 levers as the picture shown and the firmware upgrade needs to be performed.
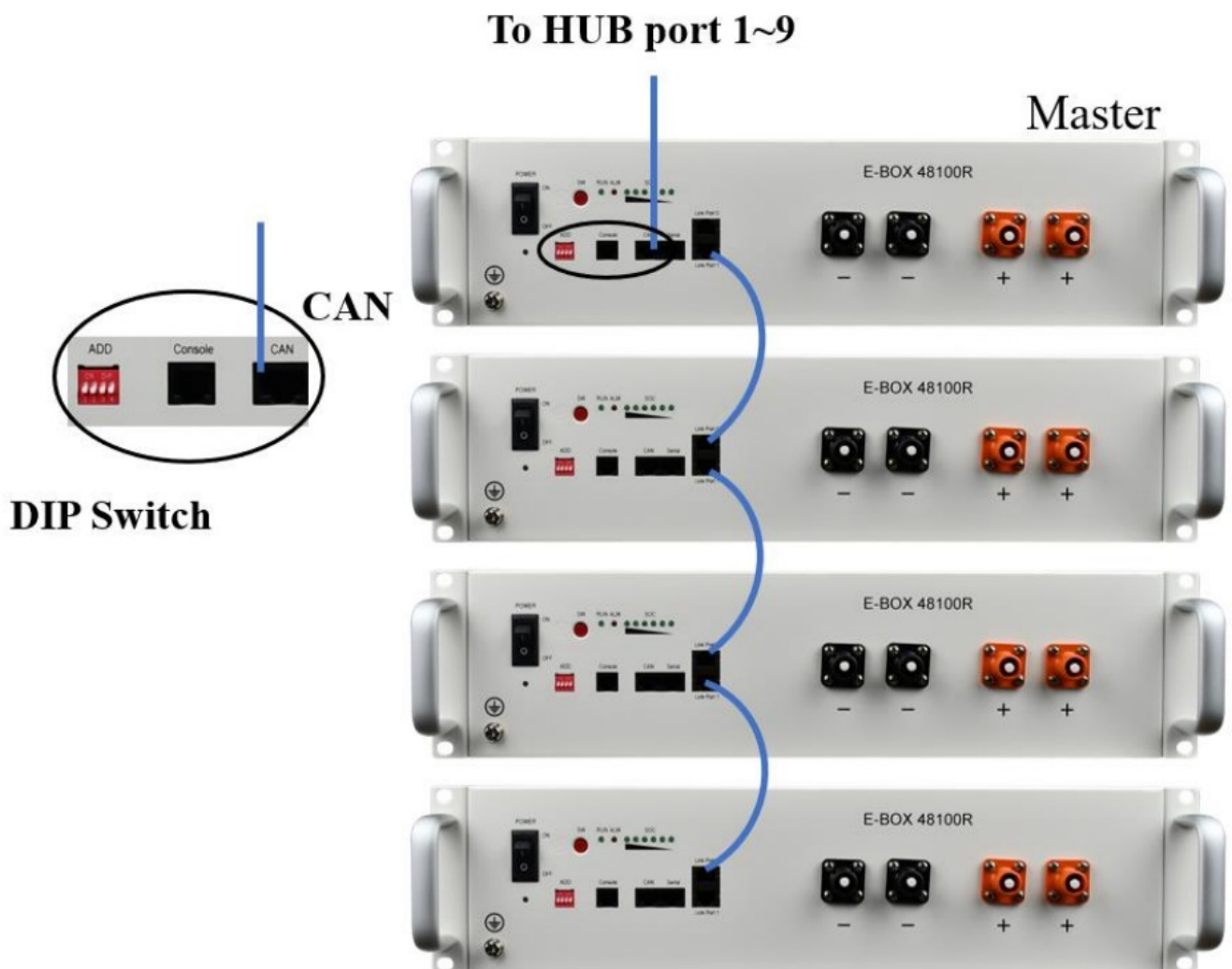
2. Connect the battery groups to the HUB by battery comma cables*. (See the footnote in the end of the document.)

The comma cable needs to plug in the CAN port of the master battery and Port 1 to Port 9 of the HUB. Note that each HUB supports up to 7 groups.

Connect to the inverter(s)

- Set the DIP Switch according to the inverter brand. See Chart 1.
- Connect the HUB to the inverter by the custom comm cable. Please refer to Chart 2 for comm cable making.
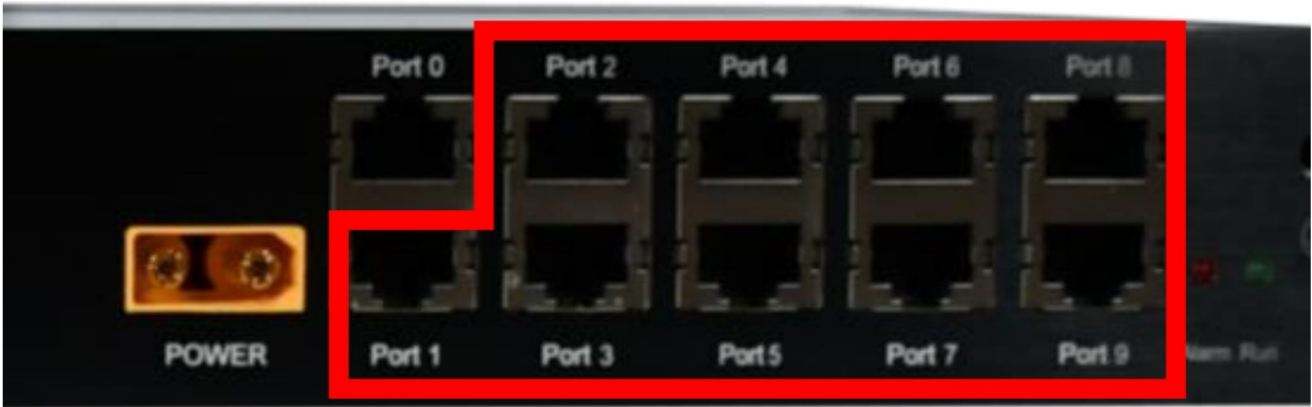
Chart 1. HUB DIP Switch settings for different inverter

Chart 2. Pin Assignments for custom comm cable making

Pin No.	HUB RS485	HUB CAN	Dye Sol-Ark	SMA	Phocas Velt roni	Solis
1	RS485B		RS485B			
2			RS485A			
3	RS485A	H			RS485B	
4		L	H	H		H

Pin No.	Luxpower	SRNE	Growatt	GOODWE	Victron	Megarevo
5			L	L	RS485A	L
6						
7			RS485A			
8			RS485B		GND	

Pin No.	Luxpower	SRNE	Growatt	GOODWE	Victron	Megarevo
1			RS4858	RS485A		
2			RS485A	RS485B		
3						
4	H		H	H		H
5	L	H	L	L		L
6		L				GND
7		RS485A			H	RS485A
8		RS485B			L	RS485B

Footnote:
*A standard ethernet cable can be used as the Battery comma cable between battery group and hub.
For legacy product, a custom ethernet cable is needed.
Please see the picture on the right.
Click **here** to check your battery model.

Documents / Resources

Pytes Battery Hub E-Box-48100R Expansion [pdf] User Guide
Battery Hub E-Box-48100R Expansion, Hub E-Box-48100R Expansion, E-Box-48100R Expansion, Expansion