HUB Setting Guide

1. Check the accessories list

HUB*1

Internal cable*1

Power cable*1

Battery Comm cable*1

2. 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.

3. Connect the battery groups

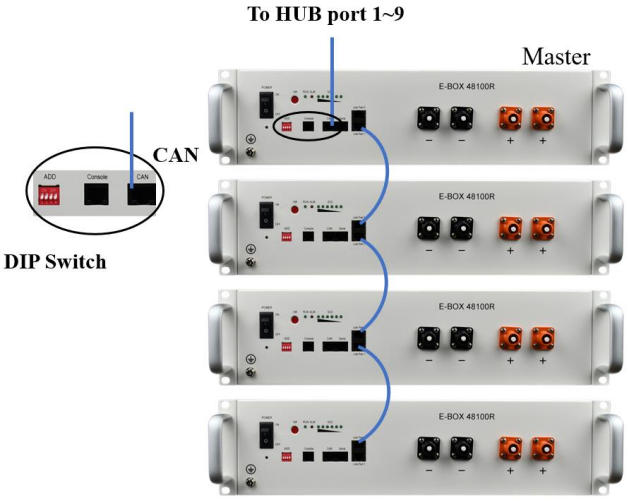
1. Connect the batteries into a group.
Link one battery Port 0 to the other battery Port 1 one by one. Note that leave the Port 0 of the master battery empty. Set the DIP switch of each **master battery** as follow. Each group supports up to 8 batteries in parallel.

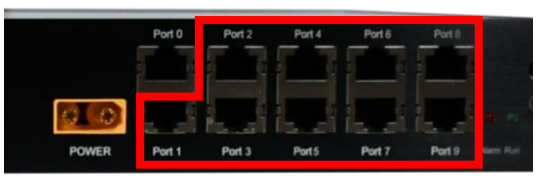
Battery group list

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 comm cables*. (See the footnote in the end of the document.)**
The comm 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.

4. 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

Note: Black part is the lever.

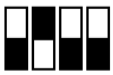
Victron		Deye/ Sol-Ark		Afore		Solis	
Phocos/ Voltronic		Studer		SRNE		Empty	
Goodwe		Kelong		SMT		SMA	
Megarevo		Growatt		Empty		Luxpower	

Chart 2. Pin Assignments for custom comm cable making

Pin No.	HUB RS485	HUB CAN	Deye Sol-Ark	SMA	Phocos Voltronic	Solis
1	RS485B		RS485B			
2	RS485A		RS485A			
3		H			RS485B	
4		L	H	H		H
5			L	L	RS485A	L
6	GND					
7	RS485A		RS485A			
8	RS485B		RS485B		GND	

Pin No.	Luxpower	SRNE	Growatt	GOODWE	Victron	Megarevo
1	RS485B		RS485B	RS485A		
2	RS485A		RS485A	RS485B		
3	L					
4	H		H	H		H
5		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 comm 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.