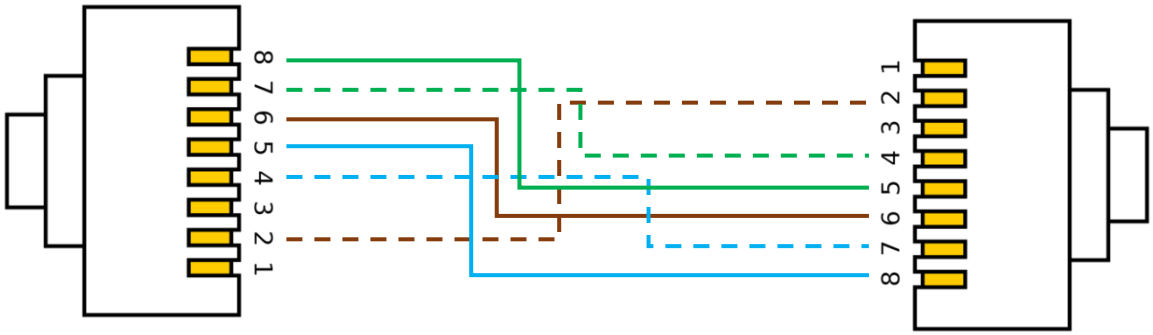
Roamer HOME Battery Cable Guide

BMS–CAN/RS485 Cable

BMS–CAN Cable (Cerbo GX – Roamer HOME Battery)



The cable is made up of 2x 8P8C “RJ45” Connectors, with a standard Cat5e UTP cable between them.

The BMS-CAN cable is wired in such a way that it is reversible. The user can plug either end into either the Roamer HOME battery or the Cerbo GX.

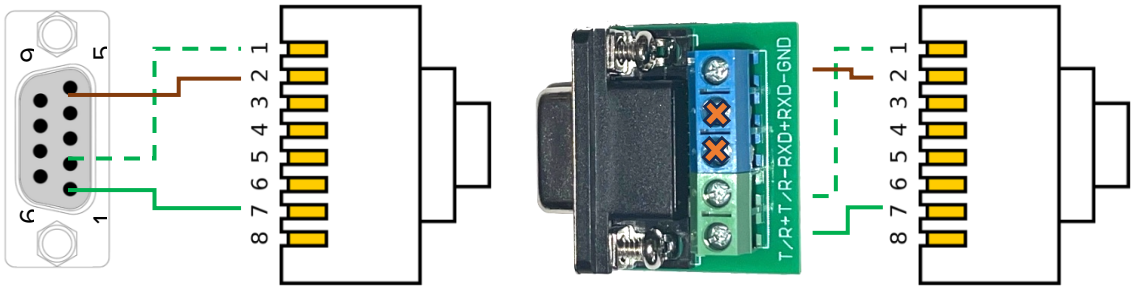
When using the BMS-CAN connection, the Roamer HOME Battery must have the DIP switch closest to the communication port in the top* position.

BMS–CAN

8P8C A-Side Pin	1	2	3	4	5	6	7	8
Signal	N/A	GND	N/A	CAN1_H	CAN1_L	GND	CAN2_H	CAN2_L
8P8C B-Side Pin	N/A	2	N/A	7	8	6	4	5

* DIP switch in top position, note the switch in position 6 is raised. 

RS485 Cable (PC – Roamer HOME Battery)



This cable can be made up of 1x DB9 (serial) connector, utilising pins 1,2 and 5. It can also be made up using the small DB9 breakout board supplied, utilising terminals T/R+, T/R-, and GND.

The cable can be a standard Cat5e UTP cable, we recommend using ferrules on the DB9 end if the adapter is used, as the screw terminals can damage the cable cores otherwise.

The RS485 cable should be then attached to the RS485-USB interface. Remember to select the correct COM port on the PC to enable communication.
The COM port should be set to a baud rate of 19200Kbps.

When using the RS485 connection, the Roamer HOME Battery must have the DIP switch closest to the communication port in the bottom position.**

RS485

DB9 Pin	1	2	3	4	5
Signal	RS485(A)	RS485(B)	N/A	N/A	GND
8P8C Pin	7	1	N/A	N/A	2

** DIP switch in bottom position.