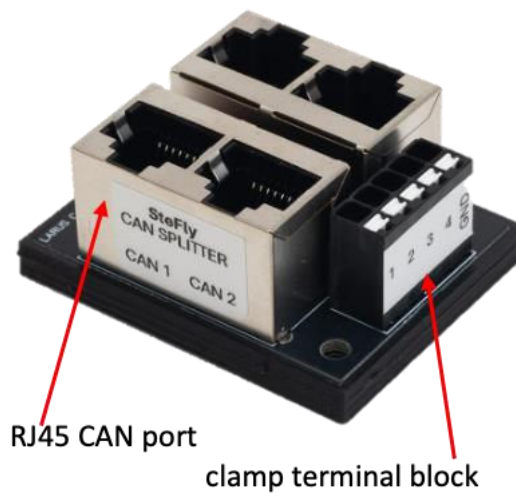


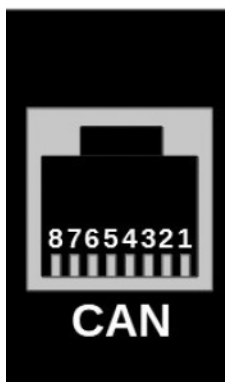
## CAN Splitter Manual

- The CAN splitter was designed to connect two LARUS Vario Displays to one LARUS box (double-seater).
- It has four RJ45 CAN ports
- Optional connection of GND and +12 VDC for power supply, if LARUS is not powered by a SteFly NAV

### CAN Ports and Clamp Terminal Block



- RJ45 CAN ports are labelled with CAN 1 – CAN 4
- Pin assignment is the same as for LARUS box and LARUS Vario Display:



Pin	CAN
1	GND (internally connected)
2	
3	NC
4	CAN Low
5	CAN High
6	NC
7	VCC [9-28V DC] (internally connected)
8	

- The clamp terminal block has 5 terminals labelled with 1 – 4 and GND.
  - Terminal 1 is connected to RJ45 CAN port 1, VCC pin
  - Terminal 2 is connected to RJ45 CAN port 2, VCC pin
  - Terminal GND is connected to RJ45 GND pin of all CAN ports
  - To connect a wire or remove it from the terminal: Press vertically on the white area next to the opening using a narrow flathead screwdriver.
- CAN Low and CAN High pins of all four CAN ports are interconnected

## Termination Switch



CAN termination switch

- The red termination switch has two settings, “on” and “off”.
- CAN bus networks require termination resistors at each end of the network. The termination switch activates the resistor in on position. As the CAN splitter is not positioned at the end of the CAN network in LARUS application, just leave it in position “off”

## Examples of Use

Details on integration into the LARUS CAN network can be found in the LARUS and LARUS Vario Display manuals.

### Standard application: LARUS box and LARUS Vario Display are powered from SteFly NAV

- If you interconnect e.g. terminal 1 and 2, VCC will be forwarded between patch cables in RJ45 port 1 and 2
- Therefore, interconnect terminals 1 to 4 with wires.
- For this purpose, it is advisable to use an additional terminal that connects all wires together.



### LARUS standalone without SteFly NAV

- In this case you can connect terminals 1 to 4 to 12 VDC and terminal GND to the ground terminal of the aircraft electric. LARUS box and LARUS Vario Displays will get power from the CAN splitter

### SteFly NAV, LARUS box and LARUS Vario Displays have own power supplies to turn the units on and off individually

- In this case do not interconnect terminals 1 to 4. Only CAN data will be exchanged between the CAN ports.