

# LX DAQ

Installation manual

Version 1.00



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## 1 Important Notices

The LXNAV LX DAQ system is designed for VFR use only. All information is presented for reference only. It is ultimately the pilot's responsibility to ensure the aircraft is being flown in accordance with the manufacturer's aircraft flight manual. The LX DAQ must be installed in accordance with applicable airworthiness standards according to the country of registration of the aircraft.

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A Yellow triangle is shown for parts of the manual which should be read carefully and are important for operating the LXNAV LXDAQ system.



Notes with a red triangle describe procedures that are critical and may result in loss of data or any other critical situation.



A bulb icon is shown when a useful hint is provided to the reader.

### 1.1 Limited Warranty

This LXNAV LXDAQ product is warranted to be free from defects in materials or workmanship for two years from the date of purchase. Within this period, LXNAV will, at its sole option, repair or replace any components that fail in normal use. Such repairs or replacement will be made at no charge to the customer for parts and labour, the customer shall be responsible for any transportation cost. This warranty does not cover failures due to abuse, misuse, accident, or unauthorised alterations or repairs.

THE WARRANTIES AND REMEDIES CONTAINED HEREIN ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED OR STATUTORY, INCLUDING ANY LIABILITY ARISING UNDER ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, STATUTORY OR OTHERWISE. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, WHICH MAY VARY FROM STATE TO STATE.

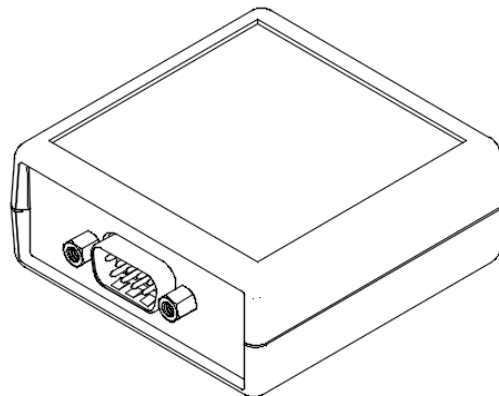
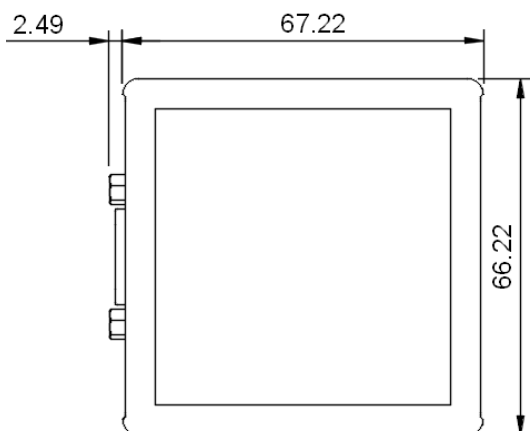
IN NO EVENT SHALL LXNAV BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, WHETHER RESULTING FROM THE USE, MISUSE, OR INABILITY TO USE THIS PRODUCT OR FROM DEFECTS IN THE PRODUCT. Some states do not allow the exclusion of incidental or consequential damages, so the above limitations may not apply to you. LXNAV retains the exclusive right to repair or replace the unit or software, or to offer a full refund of the purchase price, at its sole discretion. SUCH REMEDY SHALL BE YOUR SOLE AND EXCLUSIVE REMEDY FOR ANY BREACH OF WARRANTY.

To obtain warranty service, contact your local LXNAV dealer or contact LXNAV directly.

## **2 Packing list**

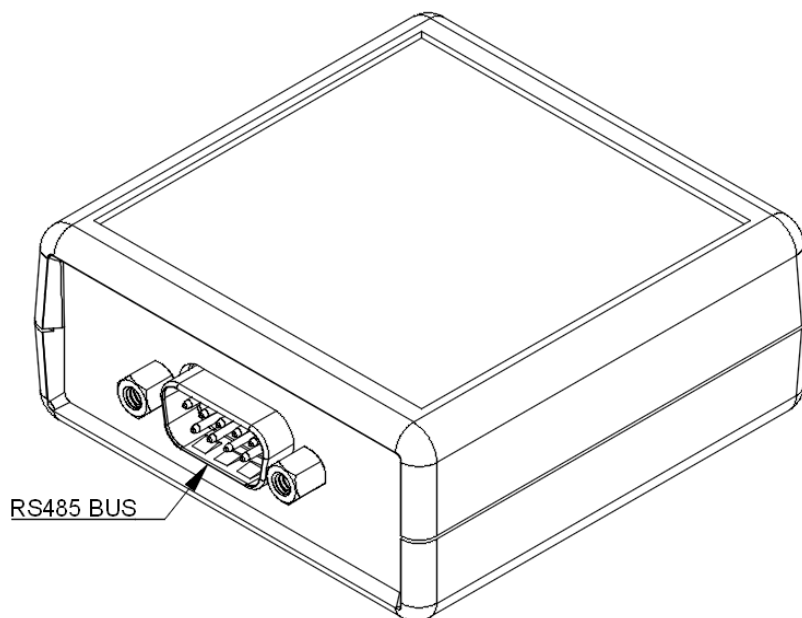
- 1x LX DAQ
- 1x Terminal block plug 10pin

### 3 Installation



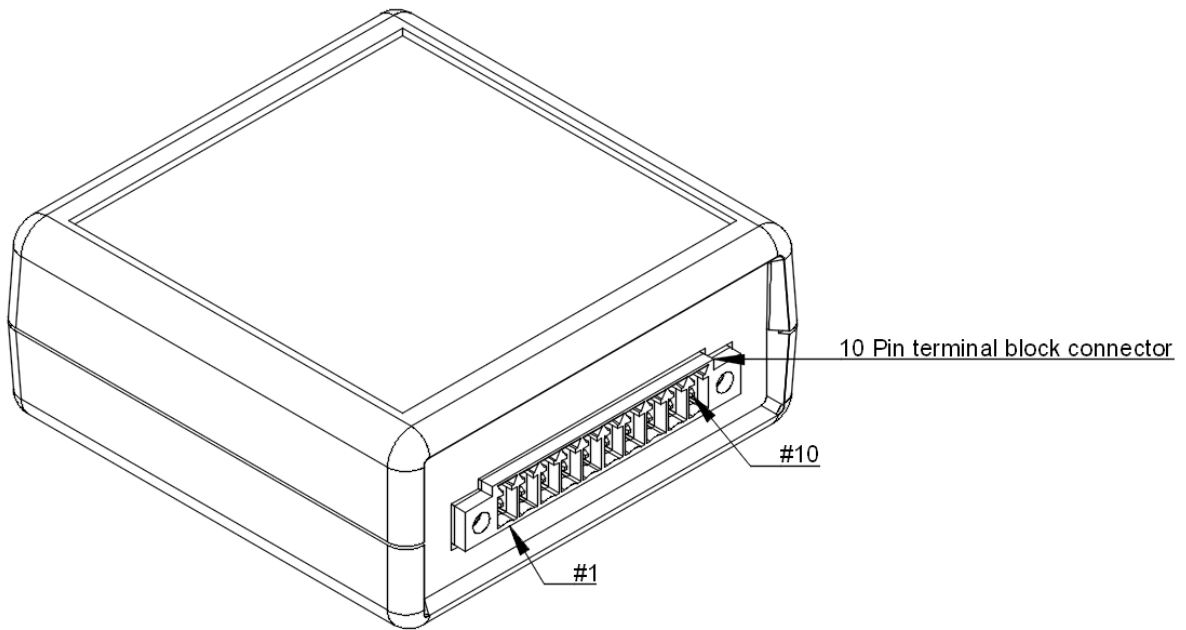
#### 3.1 Connecting LX DAQ

##### 3.1.1 Wiring



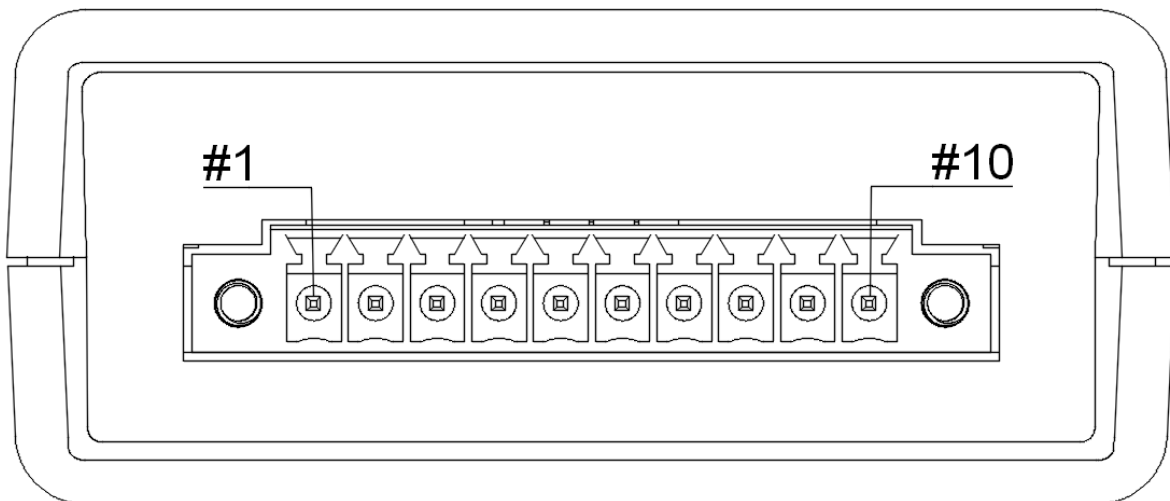
LX DAQ connects to RS485 BUS through D-Sub 9 connector to main instrument which also powers it.

External sensors are connected via 10pin terminal block connector located on opposite side from D-Sub 9 connector.



Pin names (from left to right):

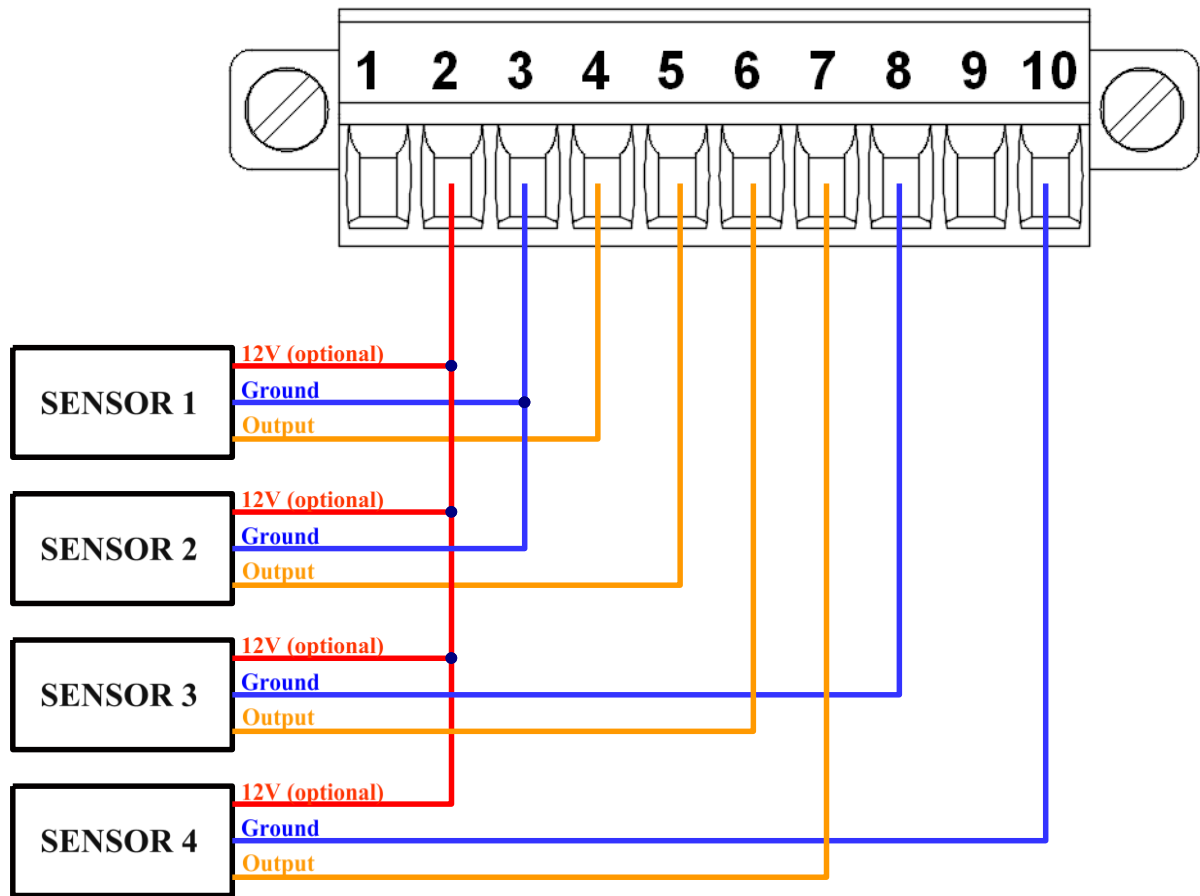
- 1- +12V Supply for sensors (output)
- 2- +12V Supply for sensors (output)
- 3- GND
- 4- Input 1 (AIN1- input)
- 5- Input 2 (AIN2- input)
- 6- Input 3 (AIN3- input)
- 7- Input 4 (AIN4- input)
- 8- GND
- 9- Not in use (Do not connect)
- 10-GND



### 3.2 Connecting sensors

 Maximum input voltage for analog input is 12.0V on any of four channels.

The following example illustrates how to connect sensors.



## 4 Revision history

March 2018	Initial release
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