

Kongsberg cNODE MiniS



KONGSBERG

Quick Reference Guide

Charging the battery (on-deck)

Charging the battery is connected with some risk, please read the information and follow the charge procedure carefully

Context

The battery must be fully charged before long term storage and it is recommended to recharge the battery every 6 months to make sure the battery does not discharge completely over time. A completely discharged battery will not charge, as all lithium ion batteries.

Required battery state for air transportation is 30% or less remaining capacity to comply with regulations.

The battery charger will only start to charge if the battery capacity is lower than 96 %.

Caution

Equalize the temperature of the cNODE MiniS to between 10 °C and 40 °C before charging it.

For on-deck charging, use the cNODE battery charger only.

Never charge the battery unattended.



Procedure

- 1 Switch off the transponder.
- 2 Let the unit warm up or cool down to an ambient temperature of 10 °C to 40 °C before charging.

- 3 Connect the cNODE battery charger plug (B) to the connector on the cNODE MiniS marked CHARGE (C).
- 4 Connect the cNODE battery charger (A) to mains (110 or 220 VAC).

Result

The LED indicator on the charger flashes green when charging. It normally takes about 30 seconds before the charging starts and the LED indicator starts flashing green after connecting the cNODE battery charger to the mains. The battery will be charged within 1 hour. The LED indicator will stay green when fully charged.

Turning on the cNODE MiniS

The transponder is designed for operation in water only. The transponder may be operated in air for test purposes over a short period of time.

Prerequisites

The transponder must be charged before use.



Procedure

- 1 Grease the connector with Molykote 44 Medium or equivalent grease.
- 2 Connect the on/off plug to the end cap connector.
- 3 Tighten the locking sleeve to the end cap connector.

Result

A buzz can be heard within 25 seconds as a confirmation that the transponder is activated.

Further requirements

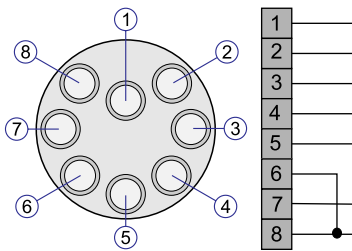
It is recommended to test the transponder with the Test and Configuration unit (TTC) to make sure the transponder is working properly before operation.

Connecting the transponder to external power and responder signals

Prerequisites

The transponder must be charged before use. This is the pin configuration for a male connector, as seen towards the connector (face view).

- 1 RS-232 Tx Configuration
- 2 Ground
- 3 RS-232 Rx Configuration
- 4 Responder trigger+
- 5 Responder trigger-
- 6 On/Off
- 7 External power(24 VDC)
- 8 Ground



Procedure

- 1 Use the cable with part number 402462 from Kongsberg.
- 2 Connect wire 6 and 8 in the pigtail (the ON/OFF function).
When 6-8 are linked, the transponder is ON.
With no connection between 6-8, the transponder is OFF.
- 3 Make sure that the external power supply 24 VDC is between 20 and 28 VDC.
- 4 Check the responder trigger signal.
- 5 Switch ON the unit by inserting the external power/responder cable.

Support information

Should you need technical support for your cNODE MiniS you must contact a Kongsberg Maritime office. A list of all our offices is provided on our website. You can also contact our main support office in Norway.

Manuals and technical information can be downloaded from our support website.

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