

Victron converter MK2.2b (FTI06007)

Hardware Installation Manual

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References

VICTRON general:

<http://www.victronenergy.nl/>

VICTRON support and downloads:

<http://www.victronenergy.com/support-and-downloads/software/>

Introduction

The hardware installation manual provides instructions for the installation and mounting of the Victron interface as used within FT NavVision®. The chapters and sections are organized in chronological order in which the specific components must be installed and connected (where applicable).

NOTE:

This section provides only a summary of the most important safety requirements and notes, which will be mentioned in the individual sections. To protect your health and prevent damage to the devices, it is essential to read and carefully follow the safety instructions.

About the installation manual

The installation manual contains the following chapters:

- Chapter “Safety instructions” presents warning, caution and note information, which the user should pay attention to.
- Chapter “Receiving, unpacking and checking” contains instructions on how to receive, unpack or check the interface.
- Chapter “Installation and mounting” contains instructions on how to install, mount and/or wire the interface.
- Chapter “Technical specifications” contains an overview of the main features and specifications.

Abbreviations list

FT	Free Technics
UTP	Unshielded Twisted Pair

Revision history

Revisions issued since publication.

Issue	Date	Revision	Reason
1.0	August 24, 2010		First release

Safety instructions

The indications NOTE, CAUTION and WARNING have the following significance:

NOTE:

An operating procedure, practice or condition etc., which it is essential to emphasize.

CAUTION

An operating procedure, practise or condition etc., which, if not strictly observed, may damage or destroy equipment.

WARNING

An operating procedure, practise or condition etc., which, if not carefully observed may result in personal injury or loss of life.

1. Receiving, unpacking and checking

1.1 Procedure

1. Remove the transport casing
2. Visually inspect the respective parts
3. Check that all items are included in accordance with the delivery documents.
4. Check for transport damages.
In case of transport damage appropriate action must be taken against the latest carrier and the nearest certified dealer or representative should be informed.
5. Store the part in the original transport package in a dry and dust free place, if the unit is not to be installed immediately. Observe the environmental requirements stated in the specifications

NOTE:

Notify your sales representative if any of the above items is missing or damaged.

2. Installation and mounting

2.1 Overview

You can use Victron converter MK1b (or latterly MK2b) to connect the UTP cable (same as the remote control cable) to an available serial COM-port on your computer.

NOTE:

- *Although the VE configure program still supports MK1b converters we recommend using MK2b or higher. Victron Energy will not give support if you encounter communication problems when using an MK1b*
- *If you have problems with connecting the MK2.2b, please refer to the update manual to update the firmware of this device.*



Figure 2-1: Overview (Victron converter)

2.2 Wiring

For connection to the VE bus of Victron, a RJ45 UTP cable (Cat 5E) is required.

NOTE:

- *For connection to the computer, it needs to be connected to a serial RS232 port. A standard serial cable is required.*
- *If you have problems with connecting the MK2.2b, please refer to the update manual to update the firmware of this device. Especially if the Victron shuts down as soon as the cable on the MK2.2b is plugged in, it is almost sure that the MK2.2b has the wrong firmware.*

3. Technical specifications

N/A



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