Victron RS485 to RS232 interface (FTI06007)

Software 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 Installation manual provides instructions for updating and configuring the Victron interface as used within FT NavVision®.

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 “Firmware update” contains instructions on how to update the firmware on the interface.

Abbreviations list

COM	Communication
UTP	Unshielded Twisted Pair

Revision history

Revisions issued since publication.

Issue	Date	Revision	Reason
1.0	August 26, 2010		First release

Safety instructions

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.

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. Firmware update

NOTE:

- *VE configure II is compatible with newer software versions. You can find the software version number on the on the white sticker on the microprocessor on the controller PCB*
- *You can use 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*
- *Check on the internet to make sure you have the latest version of the VE configure software (see chapter "References")*
- *If you don't know the function of a specific setting you can use the "What is this?" option in the help menu and click on the setting you want information about.*

CAUTION

- **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**
- **To communicate, the VICTRON unit must be supplied with the appropriate DC voltage.**

Unit type	Voltage
Chargers	AC
Multi	DC
Multi compact	DC
Inverters	DC

1.1 Connect to a computer with VE configure

It is necessary to know several things before connecting your Victron product to a computer. Phoenix Chargers, Phoenix Multi (including compact) and larger Phoenix Inverters are all compatible with VE configure. All other models are not.

VE configure I works with software (VE configure II is compatible with newer software versions):

1. 14xx100.HEX up to 14xx118.HEX (Phoenix chargers)
2. All 15xxxxxx.HEX (Phoenix Multis/ Inverters)
3. 17xx100>HEX up to 17xx129.HEX (Phoenix Multis/ Inverters).

1.2 VE configure II

Proceed as follows:

- Download and install VE configure II
- Connect the MK2.2b interface to a Victron Multi or Quatro
- Connect the MK2.2b interface to the PC with a serial cable
- Startup VE configure II, the following screen appears:

Figure 1-1: VE configure II screen (Port selection > Com port)

Go to “Port selection” > “Com port” to select the appropriate “Com port” (see Figure 1-1). The update will start automatically even if the program finds an older firmware version on the MK2.2b. Follow the instructions as given by the program.

1.3 Force update

If the MK2.2b for some reason will not update, there is a way to force this update.
Go to Help > About VE configure II. The following screen appears.

Figure 1-2: VE configure II screen (About)

Push and hold the “Ctrl-key” while clicking the right mouse button on the “II” of the text “VE Configure II”.

A popup appears “Show communication log …. “.
Click “OK”, the program will now force the install of the MK2.2b. Follow the further instructions.

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