



The universal tool for start-Up and diagnosis of Bonfiglioli Vectron inverters

VPIus



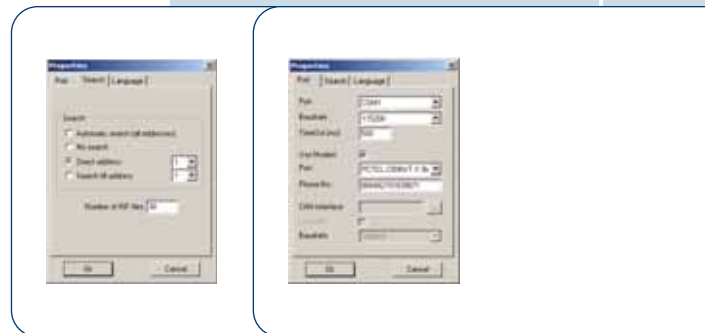
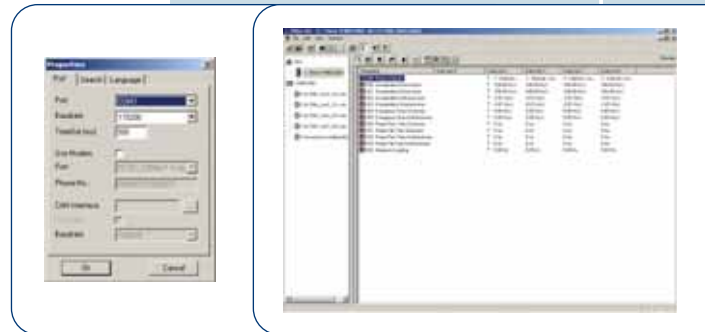
The universal tool for commissioning and diagnostics

Communication

The RS232/RS485 serial interface and optional KP232 interface adapter or an additional module with system-bus interface allow for data exchange between the computer and connected bus node.

The transfer rate is selected in VPlus, whereby other baud rates are automatically used if no bus nodes are found within the selected rate. Connected subscribers are automatically searched when VPlus is started or are contacted directly via an address when the relevant option is selected.

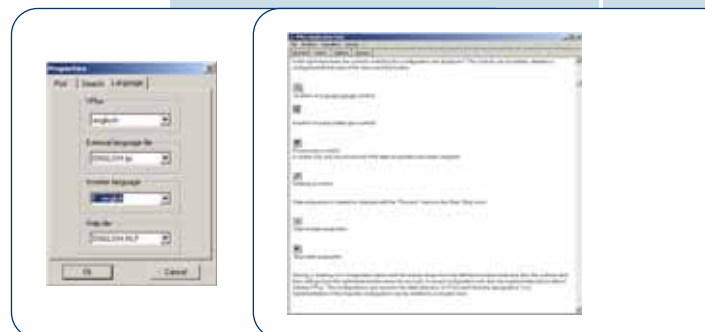
Modem operation uses the communication link set up on to configure the remote access.



Language settings

The VPlus user interface can be set to the desired language. Parameter names can be translated into different languages or customised to suit individual customers.

The functions and settings of VPlus are described in detail in the user help file.



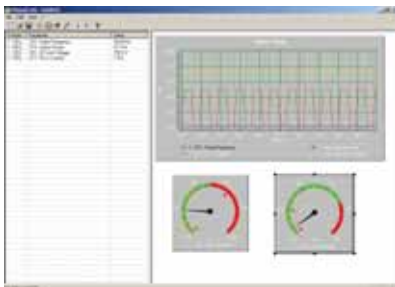
The universal tool for commissioning and diagnostics



VSetup: Commissioning

The setup window lists the parameter values needed for commissioning.

The motor rating values shown on the motor identification plate are entered here and other configuration-dependent parameters are defined. Functionality is complemented by the automatic setup of connected frequency inverters, whereby additional data are determined by automatic parameter identification. Four data records allow different parameter records to be saved.



VVisual: Flexible configurable graphical instrumentation

The actual value menu of VPlus is used to drag and drop the parameters to be monitored into the variable actual value window. The current actual values are represented by numerical values and displayed by plot control or gauge instruments. The gauge instruments can be tailored to individual processes by scaling the display range and defining danger limits.

A plot control can display up to four values and the sample rate, axis text and units, for example, can be configured.

Several plot control or gauge instruments can be defined for comprehensive monitoring.



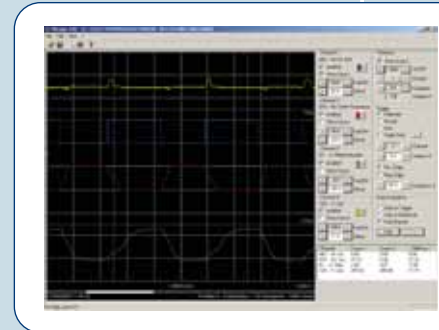
VMonitor: Input/output terminals and signals

The terminal monitor shows which functions are assigned to the analog and digital input and output terminals of the frequency inverter. Furthermore, information about the current logical status at the digital input and output terminals, the actual values at the analog input and output terminals, as well as key application data, is relayed.

The universal tool for commissioning and diagnostics

VScope: 4-channel oscilloscope

The connection between the computer by the oscilloscope function and optional KP232 interface adapter allows up to four parameter values to be displayed. Here, flexible configurable trigger conditions can be defined. The oscilloscope takes readings in real time and displays them graphically. All of the oscilloscope settings, including the recording of values, can be saved in data file and reloaded.



Hardware requirements

PC with 32-bit Windows Operating system

Functionality at a glance:

- Commissioning
- Parameterisation
- Diagnostics and monitoring
- Display process values and controlled variables
- Save and load parameter records in files
- Communication via RS232 and RS485 serial interfaces
- Communication via CANopen based system-bus
- Remote maintenance via modem
- Representation of actual values via graphical display
- Overview of freely programmable function assignment to input and output terminals
- Overview of current values at input and output terminals
- Oscilloscope function in real time
- Different language settings for user interface
- Parameter names can be defined on a per-customer basis or in other languages

The universal tool for commissioning and diagnostics



VPlus from BONFIGLIOLI VECTRON is a tool designed for commissioning, parameterisation, control and maintenance.

VPlus allows parameter settings to be defined, documented and saved, thus enabling all parameter settings to be displayed or transferred.

Parameter records can be created, edited and saved offline, i.e. without establishing a connection to the device.

Additional functions make it easy to enter and find process data, making it instantly apparent which functions are assigned to terminals and which signals are directed towards them.

Graphical displays indicate current actual values as well as danger limits and provide a rapid overview of the time scale of actual values.

A high sample rate oscilloscope is integrated into VPlus.

VPlus supports communication via RS232/RS485 serial interface and via system-bus.



Parameterisation in different views

The main parameterisation window of VPlus is available in two views. This is more user-friendly and makes it easier to find the parameter values to be defined.

In structural view, the parameters are ordered by function and displayed in a tree structure.

List view instead shows the parameters in numerical order.

To change the parameters simply click or select a value using keyboard shortcuts and edit them in an edit field.

The status bar also displays the permitted value range.

For parameters with a discrete value range, a drop-down list shows the possible settings.

The actual values, which are read-only values, are updated continually.

All parameter values can be read into VPlus via command.

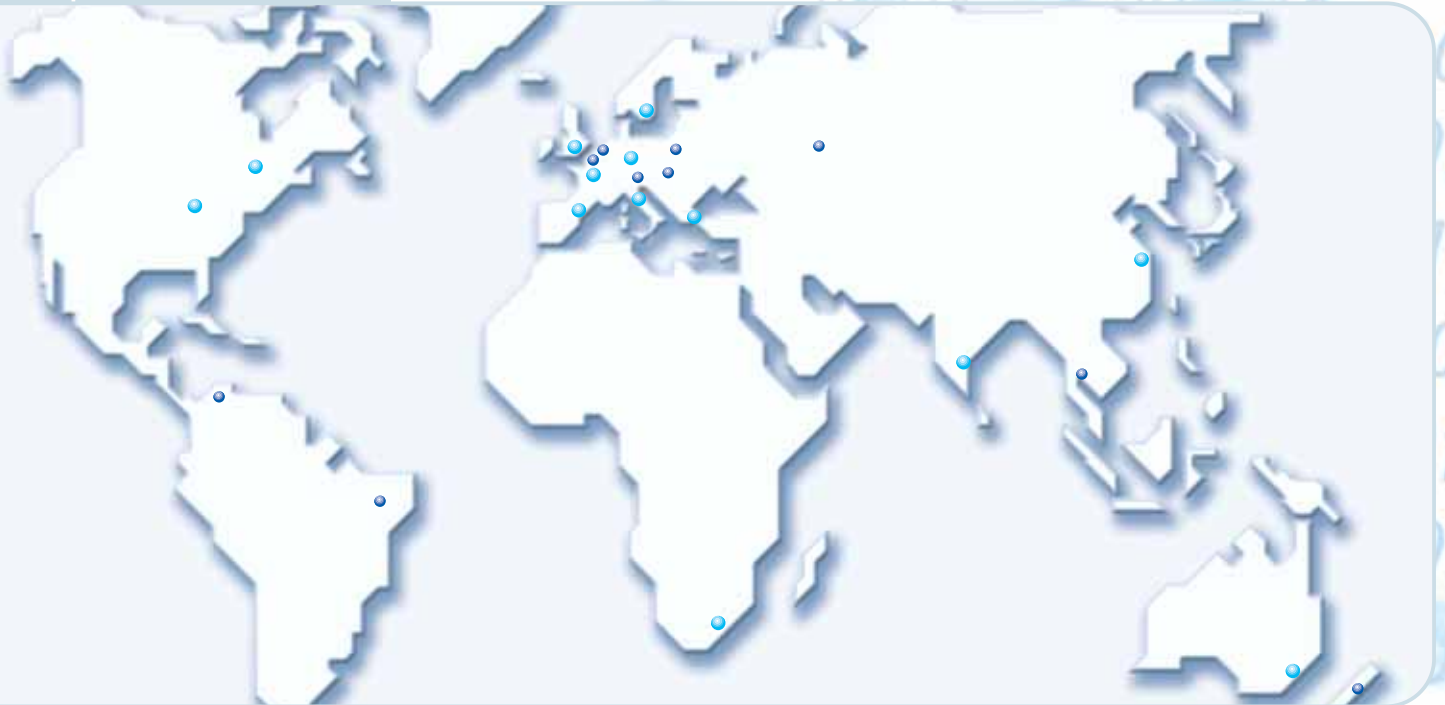
The FI Manager shows all bus nodes and parameter records saved on the computer.

This allows information sources to be easily selected and managed and parameter records to be compared at a glance.



Bonfiglioli is a Partner Worldwide for Power Transmission and Motion Control

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