WHISPER CONNECT TOOL

Accessory for WP professional equipment

- Full WhisperConnect CAN bus functionality
- One product to monitor your WhisperPower energy system
- Control your WhisperPower equipment from one place
- Configuring WhisperPower devices made easy

1. INTRODUCTION

Thanks for choosing our product. The WhisperConnect Tool is one tool for monitoring, controlling and configuring your WhisperPower energy system. The WhisperConnect Tool links the WhisperPower CAN bus to communicate to all WhisperPower equipment with WhisperCapable capabilities in a system. Simply connect the WhisperConnect CAN bus to the computer using the supplied CAN to USB converter and you are ready to go. Once the USB interface is active you can have your system configured by your needs in no time at all.

The following products can be monitored, controlled and configured by the WhisperConnect Tool:

- DC PowerCube 24V-5000W
- WP-BMSS Smart Shunt
- WP ION bus terminator
- AC PowerCube 24V-14000W
- AC PowerCube 24V-7000W

APPLICATIONS

The WhisperConnect Tool can be used as power management system for WhisperPower energy system. The WhisperConnect Tool uses the CAN bus network to communicate between connected devices. CAN bus has proven itself as a reliable bus-system in automotive applications.

1. INTRODUCTION

Throughout this manual, the following alert symbol is used to indicate potential hazard:

CAUTION! Preventing damage. A procedure, circumstance, etc. which deserves extra attention.

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Lability

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WARNING: Inserting the wrong battery type into a WP device can result in irreversible damage to the device or its components.

WARNING: When connecting or disconnecting devices, be sure to observe all warning and safety instructions of your battery supplier which applies to the WhisperConnect network directly! This applies to all WhisperConnect devices connected.

SAFETY INSTRUCTIONS

- This product is to be used in compliance with all applicable (safety) standards and (local) regulations shall be followed at all times.
- This product is restricted to dry and clean environments.
- Bear in mind that all applicable (safety) standards and (local) regulations shall be followed at all times.
- Only use in environments.

Use of pictograms

Throughout this manual, safety instructions and warnings are marked by pictograms.

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TROUBLESHOOTING

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Computer and WhisperConnect Tool
3. INSTALLATION

General Remarks
Local and/or special regulations may apply depending on the type of installation involved. It is essential that each and every circuit in the electrical system is properly installed by a qualified electrician using all applicable standards. Refer to the wiring diagram for details of electrical connections.

Step 1:
Installing the local drivers
• Connect the WhisperPower USB to the computer.
• Navigate to the folder containing the Ixxat drivers.
• Install the Ixxat VCI driver.

Step 2:
Connecting to a single WhisperPower device
• Connect one end of the WhisperConnect cable to the device.
• Install a WhisperConnect terminator in the device.
• Connect the other end of the WhisperConnect cable to the WhisperConnect 3-way adapter.
• Connect the USB cable of the local CAN-USB converter to the computer.

Step 2a:
Connecting to a single WhisperPower device
• Connect one end of the WhisperConnect cable to the device.
• Install a WhisperConnect terminator in the device.
• Connect the other end of the WhisperConnect cable to the WhisperConnect 3-way adapter.
• Install a WhisperConnect terminator in the WhisperConnect 3-way adapter.
• Connect the local CAN-USB V2 compact to the WhisperConnect 3-way adapter using the WhisperConnect RJ45 to SUB-D9 cable.
• Connect the USB cable of the local CAN-USB converter to the computer.

Step 2b:
Connecting to a WhisperPower system
• Remove one end of a WhisperConnect cable from a device in the WhisperConnect system.
• Add a WhisperConnect 3-way adapter to the WhisperConnect cable.
• Add a WhisperConnect terminator to the device.
• Connect the local CAN-USB V2 compact to the WhisperConnect 3-way adapter using the WhisperConnect RJ45 to SUB-D9 cable.
• Connect the USB cable of the local CAN-USB converter to the computer.

Step 3:
Start the WhisperConnect Tool application
• Navigate to the folder on the USB containing the WhisperConnect Tool application.
• Start the WhisperConnect Tool application.

5. SPECIFICATIONS

<table>
<thead>
<tr>
<th>SPECIFICATIONS</th>
<th>WEIGHT AND DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication</td>
<td>Weight</td>
</tr>
<tr>
<td>WhisperConnect</td>
<td>&lt;0.5kg</td>
</tr>
<tr>
<td>Connection to computer</td>
<td>Dimensions (h x w x d)</td>
</tr>
<tr>
<td>USB 2.0 type A</td>
<td>70 x 230 x 320 mm</td>
</tr>
<tr>
<td>Connection to system</td>
<td>Storage temperature</td>
</tr>
<tr>
<td>RJ45 or Micro C</td>
<td>-40..80 °C</td>
</tr>
</tbody>
</table>

RECOMMENDED SYSTEM REQUIREMENTS

| Operating system          | Windows 7 or higher  |
| CPU                       | Core 2 Duo or Athlon X2 at 2.4 GHz |
| Memory                    | 2 GB of RAM           |
| Hard drive                | 128 MB of free space  |

APPLICABLE STANDARDS AND EU DIRECTIVES

EMC (2004/108/EC)
Low Voltage Directive
LVD (2006/95/EC)

8. TROUBLESHOOTING

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>USB is red</td>
<td>USB cable is not properly connected</td>
<td>Check the USB cable connection</td>
</tr>
<tr>
<td>The CAN is not red</td>
<td>The local Ixxat driver is not installed</td>
<td>Install the local Ixxat driver</td>
</tr>
<tr>
<td>The WhisperConnect Tool application cannot find the converter</td>
<td>The converter is not properly connected</td>
<td>Check the USB cable connection</td>
</tr>
<tr>
<td>The WhisperPower device is not listed in the WhisperConnect Tool application</td>
<td>The device is not properly connected to the WhisperConnect bus</td>
<td>Check the USB cable connection</td>
</tr>
<tr>
<td>Multiple unknown devices are listed in the WhisperConnect Tool application</td>
<td>The devices have duplicate addresses in the same WhisperConnect bus</td>
<td>Change the WhisperConnect device ID of one of the devices</td>
</tr>
</tbody>
</table>

7. WARRANTY TERMS AND CONDITIONS

WhisperPower guarantees that the equipment has been built according to the legally applicable standards and specifications. WhisperPower assumes the product warranty of the Power Module for Generator during two years after purchase, on the condition that all instructions and warnings given in the manual are taken into account during installation and operation.

The warranty is limited to the costs of repair and/or replacement of the product by WhisperPower only. Costs for installation labor or shipping of the defective parts are not covered by this warranty.

8. CE MANUFACTURER’S DECLARATION

We, WhisperPower BV, Kelvinlaan 82, 9207 JB Drachten, Netherlands, hereby declare that:
Product: 40290370, WhisperConnect Tool
Is in conformity with the following provisions of the EC:

Drachten,
M. Favot, C.T.O. WhisperPower B.V.

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