Java ConfigTool 57V

Version 1.0

User Manual

SSV Embedded Systems
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Document Revision: 1.0
Date: 2009-07-02

CONTENT

1 INTRODUCTION

This document describes the Graphical User Interface (GUI) of the Java ConfigTool 57V for the 5.7” operator touch panels EUI/57V and OTP/57V.

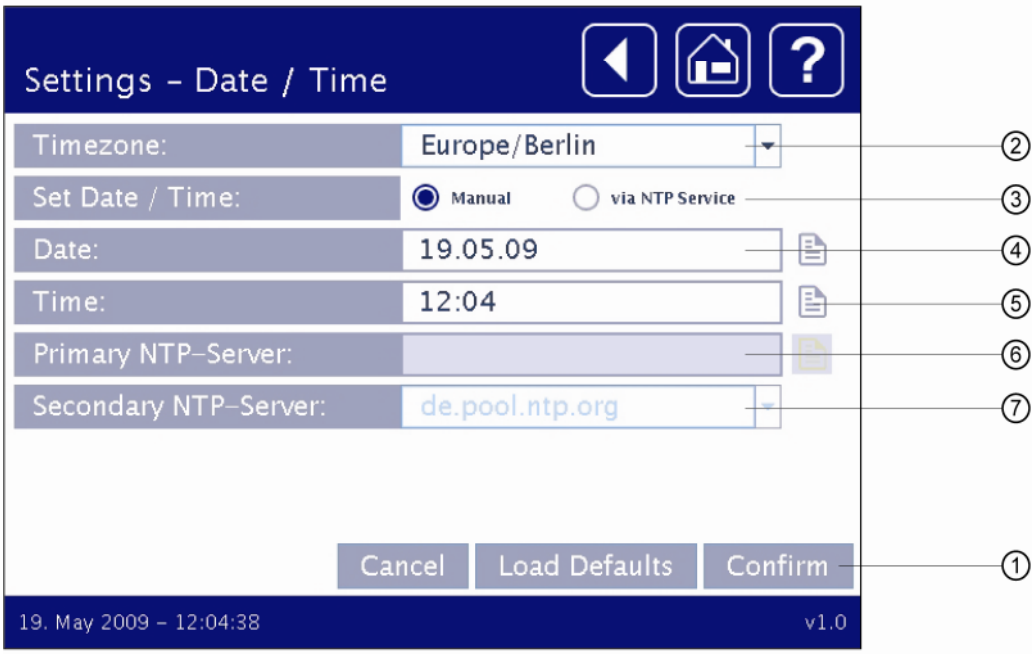
With its intuitively operable GUI all important system data can be visualized and configured with the Java ConfigTool 57V. In addition it is possible to install own Java applications, to customize the Java ConfigTool 57V to your own, individual requirements.

1.1 Conventions

Convention	Usage
bold	Name of a GUI element like **home button** or **Confirm**
`monospace`	Pathnames and user inputs like `root` or `/usr/local`

Table 1: Conventions used in this Document

2 GUI LAYOUT



① Buttons
② Drop-down menu
③ Radio button (active/inactive)
④ Text field
⑤ Edit button
⑥ Inactive text field and edit button
⑦ Inactive drop-down menu

Figure 1: GUI layout of the Java ConfigTool 57V

3 GUI ELEMENTS

The following chapters describe the particular GUI elements and their functions.

3.1 Header

Figure 2: Header of the Java ConfigTool 57V

The header shows on the left side the current location within the Java ConfigTool 57V. Depending on the current location the header offers more or less buttons.

3.1.1. Help

The **help button** opens the help page of the Java ConfigTool 57V.

3.1.2. Home

The **home button** opens the home page of the Java ConfigTool 57V.

3.1.3. Back

The **back button** opens the previous page.

3.2 Footer

Figure 3: Footer of the Java ConfigTool 57V

The footer shows on the left side the current date and time and on the right side the version of the Java ConfigTool 57V.

3.3 Info

The **info button** on the home page of the Java ConfigTool 57V opens the info page which offers information about the system, network, CAN interface and serial interface. Just push the corresponding button.

3.3.1. System

The system info page shows the following information: hostname, operating system, architecture, Kernel version and Java version.

3.3.2. Network

The network info page shows the following information: IP address, subnet mask, gateway, DNS1, DNS2 and MAC address.

3.3.3. CAN

The CAN interface info page shows the following information: baud rate, base address, IRQ, acceptance filter mask and acceptance code mask.

3.3.4. RS232 / Serial Interface

The serial interface info page shows the following information: port, baud rate, data bits, parity and stop bits.

3.4 Settings

The **settings button** on the home page of the Java ConfigTool 57V opens the settings page.

Over the settings page the Java ConfigTool 57V can be configured. Just push a button to configure the corresponding settings like e.g. **System**.

3.4.1. System

3.4.1.1. Hostname

Edit the hostname by pushing the **edit button** which opens the display keyboard. Type a new hostname and push **Enter**.

3.4.1.2. Operating System

This setting can not be edited.

3.4.1.3. Architecture

This setting can not be edited.

3.4.1.4. Kernel Version

This setting can not be edited.

3.4.1.5. Java Version

This setting can not be edited.

After changing the settings push **Confirm** to apply the changes. Push **Cancel** to reject the changes. Push **Load Defaults** to recover the standard settings.

3.4.2. Network

3.4.2.1. DHCP Server

Edit the TCP/IP configuration settings by pushing the **Static** radio button. If the **Dynamic** radio button is active, the TCP/IP configuration is automatically configured and the settings can not be edited.

3.4.2.2. IP Address

Edit the IP address by pushing the **edit button** which opens the display keyboard. Type a new IP address and push **Enter**.

3.4.2.3. Subnet Mask

Edit the subnet mask by pushing the **edit button** which opens the display keyboard. Type a new subnet mask and push **Enter**.

3.4.2.4. Gateway

Edit the gateway by pushing the **edit button** which opens the display keyboard. Type a new gateway and push **Enter**.

3.4.2.5. DNS1

Edit the DNS1 server address by pushing the **edit button** which opens the display keyboard. Type a new DNS1 server address and push **Enter**.

3.4.2.6. DNS2

Edit the DNS2 server address by pushing the **edit button** which opens the display keyboard. Type a new DNS2 server address and push **Enter**.

3.4.2.7. MAC Address

This setting can not be edited.

After changing the settings push **Confirm** to apply the changes. Push **Cancel** to reject the changes. Push **Load Defaults** to recover the standard settings.

3.4.3. CAN

3.4.3.1. Baud Rate

Select the Baud rate by pushing on the drop-down menu and selecting the adequate value.

3.4.3.2. Base Address

Edit the base address by pushing the **edit button** which opens the display keyboard. Type a new base address and push **Enter**.

3.4.3.3. IRQ

Edit the IRQ by pushing the **edit button** which opens the display keyboard. Type a new IRQ and push **Enter**.

3.4.3.4. Acceptance Filter Mask

Edit the acceptance filter mask by pushing the **edit button** which opens the display keyboard. Type a new acceptance filter mask and push **Enter**.

3.4.3.5. Acceptance Code Mask

Edit the acceptance code mask by pushing the **edit button** which opens the display keyboard. Type a new acceptance code mask and push **Enter**.

After changing the settings push **Confirm** to apply the changes. Push **Cancel** to reject the changes. Push **Load Defaults** to recover the standard settings.

3.4.4. RS232 / Serial Interface

3.4.4.1. Port

Select the port by pushing on the drop-down menu and selecting the adequate value.

3.4.4.2. Baud Rate

Select the Baud rate by pushing on the drop-down menu and selecting the adequate value.

3.4.4.3. Data Bits

Edit the data bits by pushing the **edit button** which opens the display keyboard. Type a new value and push **Enter**.

3.4.4.4. Parity

Edit the parity by pushing the **edit button** which opens the display keyboard. Type a new value and push **Enter**.

3.4.4.5. Stop Bits

Edit the stop bits by pushing the **edit button** which opens the display keyboard. Type a new value and push **Enter**.

After changing the settings push **Confirm** to apply the changes. Push **Cancel** to reject the changes. Push **Load Defaults** to recover the standard settings.

3.4.5. Time / Date

3.4.5.1. Time zone

Select the time zone by pushing on the drop-down menu and selecting the adequate time zone.

3.4.5.2. Set Date / Time

The date and time settings can be entered manually or updated via an NTP server. Push the radio button **Manual** to set date and time manually. Push the radio button **via NTP Service** to use an NTP server.

3.4.5.3. Date

Edit the date by pushing the **edit button** which opens the display keyboard. Type a new date and push **Enter**.

3.4.5.4. Time

Edit the time by pushing the **edit button** which opens the display keyboard. Type a new time and push **Enter**.

3.4.5.5. Primary NTP Server

Edit the primary NTP server by pushing the **edit button** which opens the display keyboard. Type a primary NTP server address and push **Enter**.

3.4.5.6. Secondary NTP Server

Select the secondary NTP server by pushing on the drop-down menu and selecting a secondary NTP server.

After changing the settings push **Confirm** to apply the changes. Push **Cancel** to reject the changes. Push **Load Defaults** to recover the standard settings.

3.4.6. Display

Push the following buttons to change the display brightness:


brightness - 10%


brightness - 5%


brightness + 5%


brightness + 10%

After changing the setting push **Confirm** to apply the change or **Cancel** to reject the change.

3.4.7. Services

Push the following buttons to start and stop the services:


Start button


Stop button


Status icon:
Service running


Status icon:
Service stopped

3.4.7.1. Telnet Server

Start the Telnet server by pushing the **start button**. The status icon turns green and shows that the server is running. Stop the Telnet server by pushing on the **stop button**. The status icon turns gray and shows that the server is stopped.

3.4.7.2. SSH Server

Start the SSH server by pushing the **start button**. The status icon turns green and shows that the server is running. Stop the SSH server by pushing on the **stop button**. The status icon turns gray and shows that the server is stopped.

3.4.7.3. FTP Server

Start the FTP server by pushing the **start button**. The status icon turns green and shows that the server is running. Stop the FTP server by pushing on the **stop button**. The status icon turns gray and shows that the server is stopped.

3.4.7.4. TFTP Server

Start the TFTP server by pushing the **start button**. The status icon turns green and shows that the server is running. Stop the TFTP server by pushing on the **stop button**. The status icon turns gray and shows that the server is stopped.

3.4.7.5. Web Server

Start the Web server by pushing the **start button**. The status icon turns green and shows that the server is running. Stop the Web server by pushing on the **stop button**. The status icon turns gray and shows that the server is stopped.

3.5 Extras

The **extras button** on the home page opens the extras page.

3.5.1. Reboot System

Push the **reboot button** to reboot the System.

3.6 CAN Sniffer

The **CAN sniffer button** on the home page opens the CAN sniffer page which shows the current data of the CAN interface.

3.7 Java Apps

The **Java apps button** on the home page opens the Java apps page which shows all installed Java applications.

Push on the corresponding button to start the Java application like e.g. **HalloWelt.jar**.

For information about how to (un-)install own Java applications please refer to **chapter 4**.

4 JAVA APPLICATIONS

4.1 Installing Java Applications

It is possible to add own Java applications (*.jar files) to the Java ConfigTool 57V.

To load a Java application log into the Java ConfigTool 57V via FTP or TFTP (use `root` for both user name and password) from a computer and go the following directory:

`/usr/local/bin`.

Copy the Java application from the computer into this directory.

The Java apps page will now show the new Java application Push the button to start the application.

4.2 Removing Java Applications

To remove a Java application log into the Java ConfigTool 57V via FTP or TFTP (use `root` for both user name and password) from a computer and go to the following directory:

`/usr/local/bin`.

Just remove the desired *.jar file. That's all.

5 HELPFUL LITERATURE

- Base Board 57V/eSOM hardware reference manual
- eSOM/2586 hardware reference manual
- Vortex86DX documents: `http://www.vortex86dx.com`

CONTACT

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DOCUMENT HISTORY

Revision	Date	Remarks	Name
1.0	2009-07-02	First version	WBU