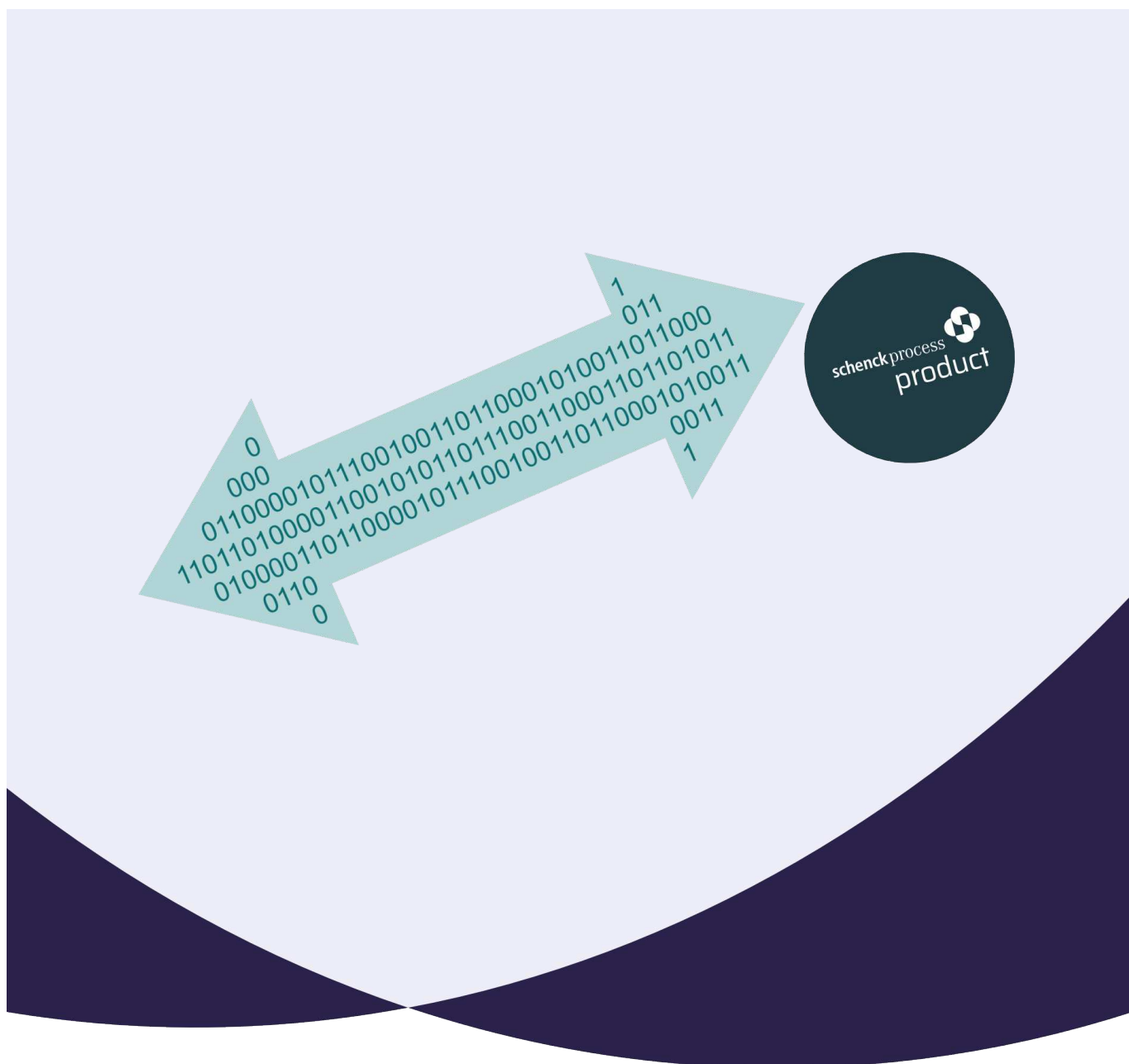


Procedure for Updating Software

Operating Manual

DISOCONT Tersus, INTECONT Tersus and INTECONT Satus



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1 Introduction

This document serves to simplify the software update required to correct an error in some of the manufacturer's controllers. It is intended for the technical support staff of the controller on the user side. Basic IT knowledge is assumed, experience from previous software updates is helpful.

It is a summary of information from various separate manuals, in particular BV-H2185, and cannot fully replace these manuals.

2 Checking the necessity and urgency of an update

Determine the current software version of the controller. This can be done in three ways.



2.1 Device with operator panel

Open the software version display:



DISOCONT Tersus

If VHM operator panel is available: Press the “Values” button and then “Version.”

INTECONT Tersus

Press the  button, then the left arrow and down arrow to select the “Display Check” function. Then press the  button. The device then displays the software version in sequence.

INTECONT Satus

Press the  button, then the left arrow and down arrow to select the “Display Check” function. Then press the  button. The device then displays the software version in sequence.

2.2 Via browser

Connect a PC to the controller using an Ethernet patch cable. Please note that both devices must be on the same IP subnet but have different IP addresses. If necessary, adjust the IP address of the PC. If the controller has not previously been integrated into a network via Ethernet, it usually has the address 192.168.240.1. Otherwise, the address must be determined from the system configuration.

Enter the IP address of the controller in the address bar of the browser, for example 192.168.240.1. If access is possible, the browser displays the start page of the controller. In the left column, click on the “Identification & Maintenance” link. The browser will then display the version number in the right-hand section as follows.

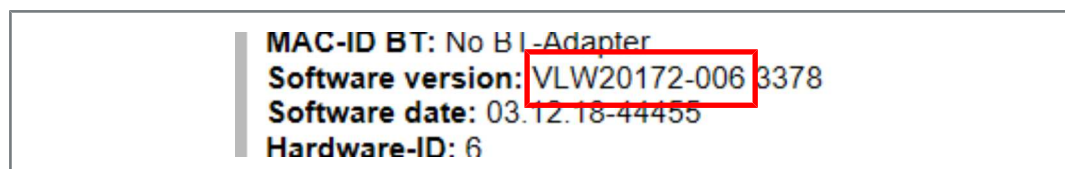


Fig. 1: Display version number via browser

The example shows the software version VLW20172-006.

2.3 EasyServe service software

Connect the PC to the controller using an Ethernet patch cable and launch the EasyServe program. In the menu, select the “Connection” function and then “Ethernet (scanner)”. EasyServe displays all available devices.

The control software can be found in the scan list.

DISOCONT Tersus...	192.168.240.1	DISOCONT Tersus	VMC20172-003	8418	E1005216
VLW 20172-002	192.168.240.21	DISOCONT VLW	VLW 20172-002	8418	CE000012

Fig. 2: Show version number via EasyServe

The example shows the software version VMC20172-003.

2.4 Software versions affected

Only the following software versions are affected by the error.

Tab. 1: Software versions affected by the error

Software affected	Controlled device	Revised software
DISOCONT Tersus		
VLW 20172-002 to VLW 20172-005	Loss-in-weight feeder	VLW 20172-006
VWF 20172-001	Weighfeeder	VWF 20172-002
VMC 20172-001, VMC 201722-002	MULTICOR	VMC 20172-003
VIO 20170-006	Input/output extension	VIO 20170-007
INTECONT Tersus		
VMC 20650-002	MULTICOR	VMC 20650-003
INTECONT Satus		
VBW 20790-013	Belt weigher	VBW 20790-013

If your software is not affected, the rest of the document is not relevant to you. You should then not update to the new version.

2.5 Urgency of the update

If the device's software is affected, check the urgency of the software update. To do this, connect the PC to the control unit via a browser as described in section »Via browser [→2]«.

In the left column, open the page showing the recorded operating commands using the “Commands” jump mark. Search the displayed list for entries labeled “Power failure.”

2018-12-13 09:30:10 EasyServe ueberliv
2018-12-13 09:30:04 Event: Netzausfall
2018-12-13 09:29:30 EasyServe Logged-in

Fig. 3: Power failure indicator

A restart of the device is documented by the entry “Event: Power failure.” After restarting, the problem may only reappear after 200 days. This gives you the opportunity to schedule the software update into your workflow.

3 Update procedure

3.1 Access to the new software

The corrected software can be found on the Internet at the following portal address:

<http://support.schenckprocess.com/>

Find the type of software you need on the page and load the appropriate file. The assignment of software types to devices can be found in section »Software versions affected [→3]«. Unzip the file to a drive of your choice. The software to be loaded into the controller has the file extension .spi.

3.2 Installing the new software

3.2.1 Preparation

The EasyServe software is required on a Windows PC to transfer the software. First, check the version of your EasyServe installation via the menu function “Help” > “About EasyServe.” You need at least version VPC20150-29.

If EasyServe is installed in a previous version, copy the existing help files, which you can find in the directory ... \Schenck \Help on your PC, to a temporary directory.

If not already installed, install version VPC20150-29, available from the above-mentioned portal, on your PC. This usually requires administrator rights on the PC.

Now copy the help files previously stored in the temporary directory back into the ... \Schenck \Help directory.

Switch off all drives controlled by the control system.

Connect the PC directly to the controller using an Ethernet patch cable. Disconnect further network connections to the control system.

Start EasyServe and select the “Connection” function from the menu, then select “Ethernet (scanner)”. EasyServe will show you the available control systems in the list.

Note down the IP address of your controller displayed on the scanner, for example 192.168.240.1.

Start the connection to the control system by double-clicking on the corresponding line. If the connection cannot be established within 30 s, the IP address of your PC is probably not in the IP subnet of the control system. The “LAN” button provides further information on the PC settings. Set a free IP address for the PC in the subnet of the control system.

3.2.2 Saving the settings

For all systems except VIO 20170-006, save the parameters active in the controller to a file using the menu function “File” > “Save as...” in order to reconstruct the settings after the software update.

Then disconnect the data connection via the menu function “Connection” > “Disconnect.”

3.2.3 Performing a software update

Start the update routine via the menu function “Extras” > ‘Flash’ > “Flash SPI...” and continue by clicking “Next.”

Enter the IP address of the controller and press the “Next” button. EasyServe will then show you the software currently running in the controller. Press the “Next” button.

Now select the software previously downloaded from the portal in accordance with section »Preparation [→6]« and press the “Next” button.

EasyServe now gives an overview of your entries.

Press the “Next” button to start preparing the software update on the control unit page. EasyServe will prompt you to briefly switch off the voltage of the control system.

After switching on the voltage, the new software is loaded into the control. The procedure takes approximately 5 minutes. Ensure that the power supply does not fail during the update.

If the software does not load within 30 s after power is applied, the procedure is probably being blocked by the firewall active on the PC. In this case, switch off the firewall temporarily.

3.2.4 Reconstructing previous settings

After completing the update, re-establish a data connection to the controller as described in section »Preparation [→6]«. The scanner displays the control system with your IP address. If this address does not match the address noted in section »Preparation [→6]« set the previous address using the “Configure” button.

Connect to the control system.

Load the parameter file saved in accordance with section »Saving the settings [→6]« using the menu function “File” > “Open...”.

Transfer these settings to the control unit using the menu function “File” > “Transfer...”.

Confirm that the parameters of the previous software version should be transferred to the new version.

3.3 Final works

After the update is complete, disconnect the cable between the PC and the controller and, if necessary, reinsert the controller into the system control as it was previously connected. A re-adjustment is not necessary.

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