

Update Manual

ME-Terminals



Version: V1.20130411



30322521-02-EN-300

Read and follow these operating instructions.

Keep these operating instructions in a safe place for later reference.

Imprint

Document

Update Manual
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1 About the update



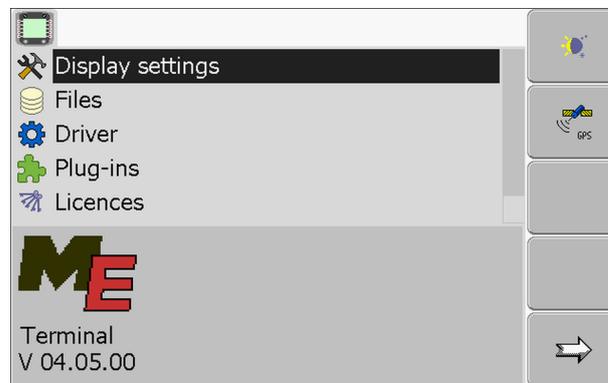
A new software version will be installed on the terminal during this update. The old software version will be irreversibly overwritten. All settings applied by the user to the software will be deleted or reset to their default values.

During the update, the following applications will be installed on the terminal:

- Service
- ISOBUS-TC
- TRACK-Leader
- FIELD-Nav
- Tractor-ECU (new)

The software of the job computers connected will not be updated.

You can find your installed software version displayed in the bottom left-hand corner of the start screen of the Service application.



1.1

System prerequisites for the update

Before the update, ensure that your system fulfills these system prerequisites:

- BASIC-Terminal TOP – with 5 function keys on each side: Hardware version from 1.4.1
- BASIC-Terminal TOP – with 6 function keys on each side: all terminals
- COMFORT-Terminal – all terminals
- ISOBUS job computer sprayer – hardware version: minimum 3.01
- ISOBUS job computer sprayer – software version: minimum 6.0e
- ISOBUS job computer sprayer with individual nozzle switching – software version: minimum 6.7b
- Job computer ECO sprayer – software version: minimum 6.x9

If your system does not fulfill these prerequisites, do not perform the update.

2 Preparing for the update – saving terminal settings

Before starting the update, make a note of all the terminal settings.

In the tables below you will find an overview of all parameters that will be overwritten on the terminal. In the column "Default value after update" you can see which value is set as default. In the column "Value before update" enter the values that were set on your terminal before the update.

If you are using an English version of this update guide, all tables are also given in English. If you do not think your English is good enough, you can switch the terminal language to English. This should make it easier for you to find the parameters.

New parameters will be explained in the new operating instructions.

Parameters in the Service application

Parameters in the "Display settings" menu

Parameter	Default value after update	Value before update
Brightness Day	100 %	
Brightness Night	2 %	
Night mode	0	
Volume	20	
Time zone	01	
Language	en	
Measurement units	Metric	
Keyboard brightness	50 %	

Parameters in the "Driver" menu

Parameter	Default value after update	Value before update
GPS	GPS_STD	
Diagnostics	DiagnosticsServices	
farmpilot	disabled	
LightBar	disabled	
Camera	disabled	
Auxiliary 2	disabled	not available

Parameters in the "Plug-ins" menu

Parameter	Value before update
Tractor-ECU	not available
ISOBUS-TC (called TaskManager before the update)	
TRACK-Leader	
FIELD-Nav	

Parameters in the TRACK-Leader application

Parameters in the "General" menu

Parameter	Default value after update	Value before update
SECTION-Control	no	
Connection with TM	not available	-----
Documentation for GIS	not available	-----
Acoustic warnings	yes	
Trace transparency	3	
Show grid	no	
Map orientation	Vehicle fixed	not available
Smoothen course	no	

After the update, the "SECTION-Control" menu will only appear when you connect a job computer. In the new version it is possible to configure the SECTION-Control parameters separately for every job computer. To be able to do this, you need to connect the job computer to the terminal at least once.

Parameters in the "SECTION-Control" menu

Parameter	Default value after update	Value before update
Degree of overlap	100 %	
Tolerance of overlap	30 cm	
Overlapping nozzles (EDS)	not available	
Field border overlap tolerance	0 cm	not available
Inactivity of ON	400 ms	
Inactivity of OFF	400 ms	

Parameter	Default value after update	Value before update
Machine model	deactivated	
Screen light bar	Graphic Mode	in the "TRACK-Leader II" menu

The "TRACK-Leader" menu was previously called "TRACK-Leader II".

Parameters in the "TRACK-Leader" menu

Parameter	Default value after update	Value before update
Screen light bar	in the "SECTION-Control" menu or in the Machine profile	
Guidance line numbering	absolute	
Sensitivity	0.30 m	
Preview	8.00 m	
Swinging angle	30°	
Dist. contour points	500 cm	

Parameters in the "TRACK-Leader TOP" menu

Parameter	Default value after update	Value before update
GPS receiver height	0 cm	
Implement offset	0 cm	
PSR reaction speed	50	

Table for Machine profile

Parameter	Default value after update	Machine 1	Machine 2	Machine 3
Swathwidth:	12.00 m			
No. of sections	2			
Sections	...			
Degree of overlap	100 %			
Tolerance of overlap	30 cm	not available	not available	not available
Field border overlap tolerance	0 cm	not available	not available	not available
GPS receiver left/right	0.00 m			

Parameter	Default value after update	Machine 1	Machine 2	Machine 3
GPS receiver front/rear	0.00 m			
Operating position sensor	no			
Inverted sensor logic (appears when the operating position sensor is activated)	no			
Machine model	deactivated			
Screen light bar	Graphic Mode	in the "TRACK-Leader II" menu	in the "TRACK-Leader II" menu	in the "TRACK-Leader II" menu
Implement type	Sprayer	not available	not available	not available

Parameters in the ISOBUS-TC application

The ISOBUS-TC application was previously called TaskManager.

Parameters in the "Settings" menu

Parameter	Default value after update	Value before update
Operation mode new name: "Work with ISO-XML?"	No (corresponds to "SC" before the update)	
Antenna offset X new name: "Offset X"	adjustable in the Tractor-ECU application see: Terminal operating instructions	
Antenna offset Y new name: "Offset Y"	adjustable in the Tractor-ECU application see: Terminal operating instructions	

3 Updating the terminal

NOTICE

Data loss

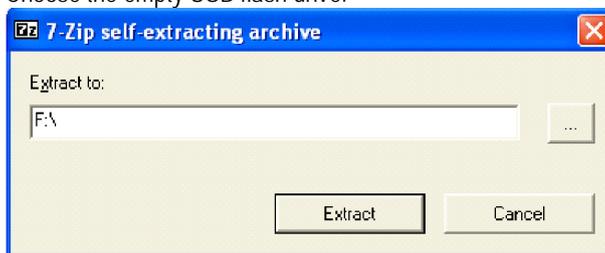
All terminal settings will be overwritten during the update.

- Make a note of all old settings before the update.

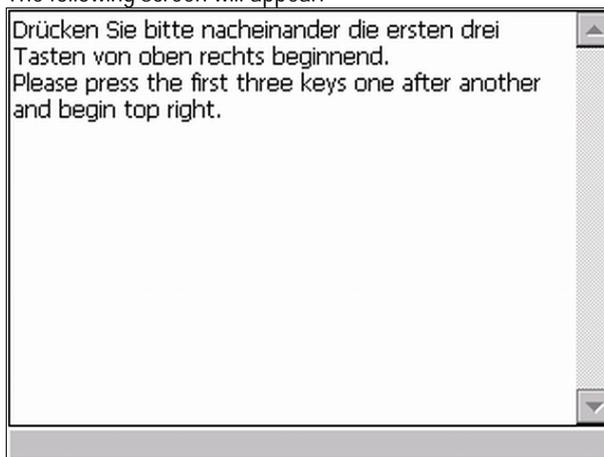
Procedure

- You have written down all the settings for the terminal.

1. Download the update file from the Müller-Elektronik website.
File name: Softwareupdate-BT-TOP-V4.05 (BT_TOP_InstallationUSB_V040500.exe)
2. Open the update file.
⇒ The screen "7-zip self-extracting archive" will appear.
3. Click on "..."
4. Choose the empty USB flash drive:

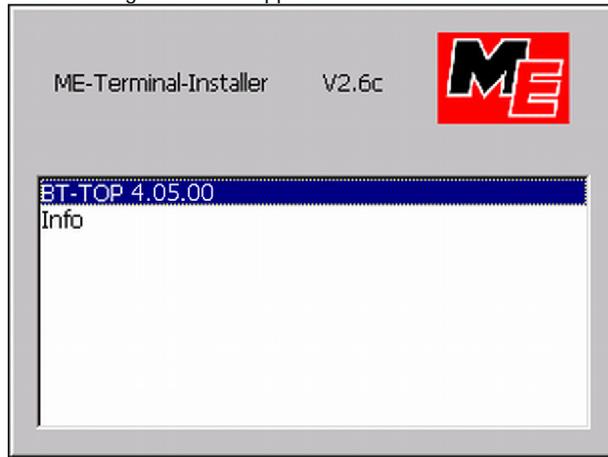


5. Click on "Extract".
6. Wait until the setup is completed.
7. Insert the USB flash drive into the terminal.
8.  +  - To start the terminal in download mode, press both keys.
⇒ The following screen will appear:



9. Read and follow the instructions on the screen.

⇒ The following screen will appear:

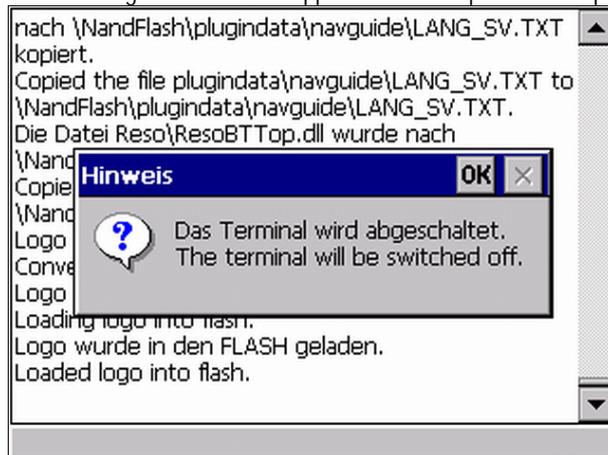


10.  - Mark the line denoting the new software version. This version name can vary according to the terminal and software version.

11.  - Start the update:
 ⇒ The update will be started. The software is being installed.

12. Wait until the update has been completed.

⇒ The following notification will appear once the update is completed:



When this notification appears, you have successfully updated the terminal's software.

⇒ If the following notification appears after the update, it means that registrations were deleted from the terminal. You must retrieve the registrations.



In order to retrieve the registrations, read the chapter titled: Retrieving registrations [→ 12]

⇒ With newer terminals, no notification appears and the terminal will switch off automatically.

13.  - Finish the update.

14. Wait until the terminal switches off.

⇒ You have updated the software for the terminal.

15. Configure the terminal like it was before the update.

4 Retrieving registrations

This chapter applies only to terminals with hardware versions older than 3.00.

If certain applications were already registered on your terminal, the registrations were deleted during the update.

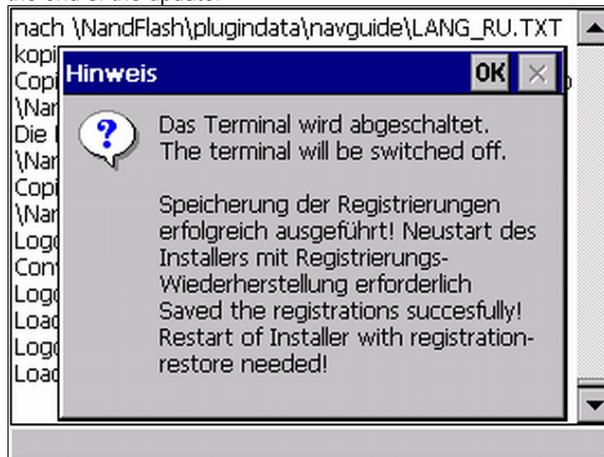
You must now retrieve the registrations.

Procedure

The registrations can be retrieved as follows:

Terminal is switched off.

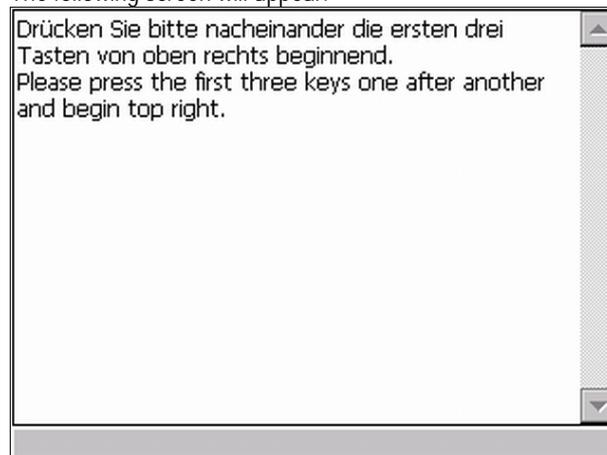
You have already updated the software of the terminal and the following notification appeared at the end of the update:



The Update USB flash drive is still inserted in the terminal.

1.  +  - To start the terminal in download mode, press both keys.

⇒ The following screen will appear:



2. Read and follow the instructions on the screen.

⇒ The following screen will appear:

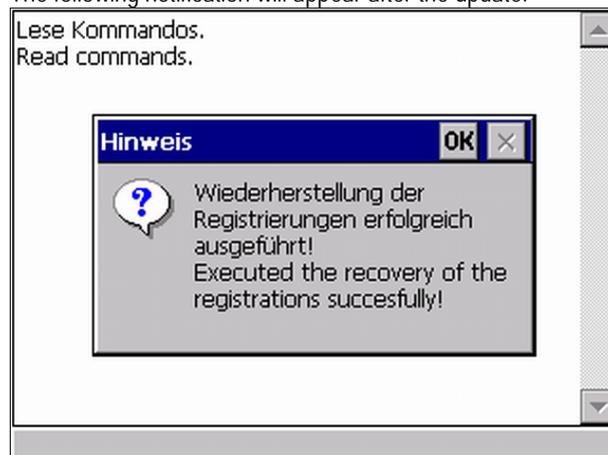


3.  Select the "Wiederherstellung der Registrierung" ("Retrieving registrations") line.

4.  - Start the update.

⇒ Update is initiating. The registrations are being retrieved.

⇒ The following notification will appear after the update:



5.  - Finish the update.

6. Wait until the terminal switches off.

⇒ You have retrieved the registrations.