Service info	NetTerminalPlus/KalbManagerWIN
Re:	VARIO / COMPACT smart
Date	September 2016
Page 1 out of 16 **Topic**	New installation

FÖRSTER TECHNIK®

S46.1e

NetTerminalPlus and KalbManagerWIN

1 Preparation

> Check whether the PC on which you wish to install NetTerminalPlus and KalbManagerWIN is equipped with a network interface card.

> You will need an Ethernet cable. If your computer supports the Auto-Link function, then you can use either a simple or a crossover network cable.

> Download the program NetTerminalPlus and KalbManagerWIN from the website **www.foerster-technik.de**.

Note	For a smooth function, Förster Technik recommends as an operating system either Windows XP or later.

Note	You will need **administrator rights** for the installation and configuration of NetTerminalPlus and KalbManagerWIN.

2 Connecting the Automatic feeder with the PC

In order to be able to work with NetTerminalPlus, you must

- connect and set up the Automatic feeder with the PC via the Ethernet cable,

- install the NetTerminalPlus/KalbManagerWIN software on the PC,

2.1 Connecting the Ethernet cable

⚠ **DANGER** Risk of fatal injury from electric shock. The electrical components of the Automatic feeder are live. Switching off via the main switch/control switch does not take the voltage on the device. Always first turn off the Automatic feeder using the main switch/control switch and disconnect the mains plug before connecting the Ethernet cable.

1. Remove the dummy plug from the device housing.
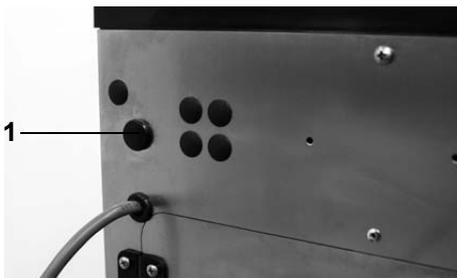
1	Dummy plug

2. Open the left side door of the Automatic feeder.

3. Remove the cylinder with the Ethernet connection from the holder in the device housing.



1	Cylinder with Ethernet connection

4. Remove the plug from the gasket and open the screw fitting of the cylinder.

1	Gasket in the cylinder

5. Retrieve the cable sleeve from the cylinder and fasten it in the device housing at the position of the dummy plug.

6. Feed the end of the loose Ethernet cable through the cable sleeve.

7. Unscrew the other end of the cylinder and pull out the socket and the Ethernet cable of the Automatic feeder.
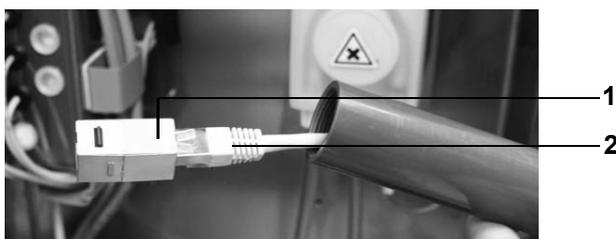
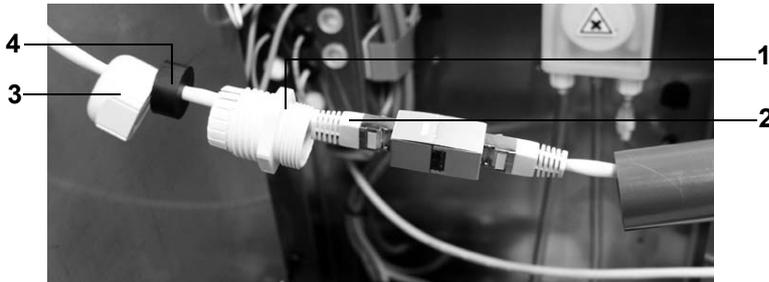
1	Socket
2	Ethernet cable of the device

8. Position the loose gasket and the screw fitting around the loose Ethernet cable and connect the end with the socket.

1	Screw fitting	3	Screw fitting
2	Ethernet cable	4	Gasket

9. Slide the cable connection into the cylinder and screw it closed along with the gaskets.

10. Push the cylinder into the holder in the housing of the Automatic feeder.

2.2 Setting up the Automatic feeder menu

1. Plug in the power plug and switch on the Automatic feeder.

2. In the **Setup** of the Automatic feeder, select **Communication > Network configuration**. You can configure all relevant parameters here.

3. **MAC address**: You can see the MAC address of your network here. Your network is uniquely designated via the MAC address. This address cannot be changed.

4. **IP address**: You can see the IP address of your network here and, if need be, change it.

5. **Subnetwork mask**: You can see the subnetwork mask of your network here and, if need be, change it.

6. **Gateway**: You can see the IP address of your Gateway here and, if need be, change it.

Note	The Gateway is located on the smart processor card.

7. **IP assignment**: The data is assigned automatically when you select the value **DHCP** here. If you select the **static** value here, then you must set the IP address of your network yourself.

8. **Accept?**: Press here `Enter`. The set data is accepted.

2.3 Setting up the PC menu

1. If your computer is not yet in operation, switch it on. You must have **administrator rights** in order to carry out the following settings.

2. In the Windows menu, select **Start > System control > Network and release centre**. You will receive an overview of your network connections.

3. Right-click on the respective connection and select **Properties**. A list opens with elements which will be used by this connection.

4. Scroll to the item **Internet protocol 4** (TCP/IPv4) and click on this item with the left mouse button. Afterwards, click on **Properties**.

This display may vary, depending on the operating system. The three most common variants are described in the following:

- **Variant 1 - PC is not integrated in the network**

- **Variant 2 - PC is integrated in the network with DHCP server** (see **2.3.2** Variant 2 - PC is integrated in the network with DHCP server on page **12**).

- **Variant 3 - PC is integrated in the network** (see **2.3.3** Variant 3 - PC is integrated in the network on page **13**).
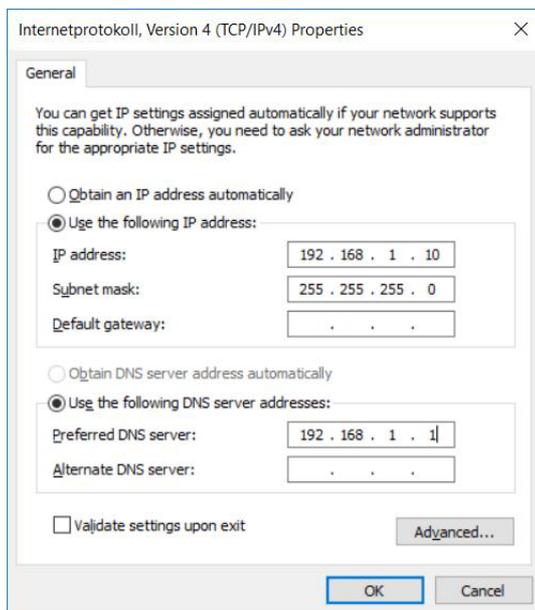
2.3.1 Variant 1 - PC is not integrated in the network

Your computer is not integrated in a network. In the default settings, the **Retrieve IP address automatically** field is activated.

1. Activate **Use following IP address** and enter 192.168.1.10 in **IP address**. 255.255.255.0 must be listed in the **subnet mask**.

Note	The first three number blocks define the fixed address rang and must match the displayed IP address of the Automatic feeder. The last number must **NOT** match that of the Automatic feeder.

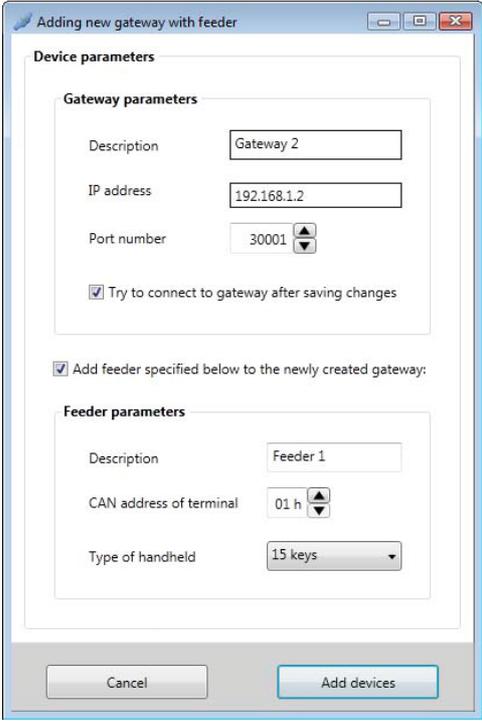| Note	Set the IP address of the Automatic feeder in **Setup > Communication > Network configuration > Gateway**. In the **IP assignment** line, ensure that [**static**] is selected.

2. Confirm with **OK** and close all windows.

3. Install the NetTerminalPlus/KalbManagerWIN software.

   Start the Setup and follow the instructions on the screen.

2.3.1.1 NetTerminalPlus

1. Start the programme.

2. Follow the instructions on the screen.

3. Enter the data of the Automatic feeder.

Note	Set the IP address of the Automatic feeder in **Setup > Communication > Network configuration > Gateway**. The CAN address of the hand-held can be seen in **Setup > Terminal > Address**.

4. Click on **Add devices** to add the Automatic feeder. The device is now correctly installed and registered.

5. To register additional devices, right-click in the NetTerminalPlus programme on **Location** and then select **Add Gateway**.
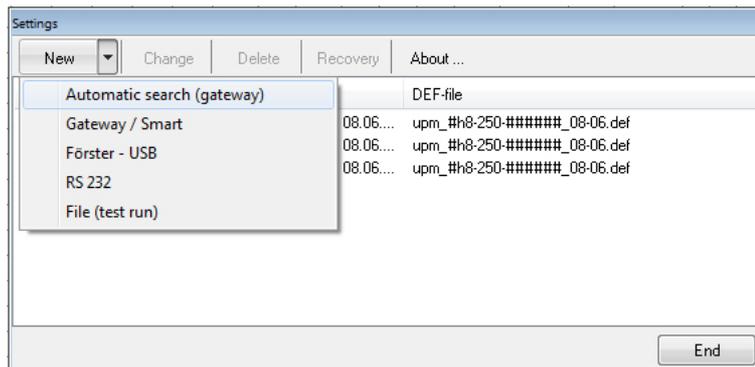
2.3.1.2 KalbManagerWIN

1. Start the programme.

2. Click in the **Calf feeder** menu bar and select **CF: Register/Cancel**.

3. Click on **New** and select **Automatic search (Gateway).**

4. Select a Gateway or smart from the list.

5. You can apply the preset **IP address** or enter a new one instead. This must however match the one that is displayed in **Setup > Communication > Network configuration >**
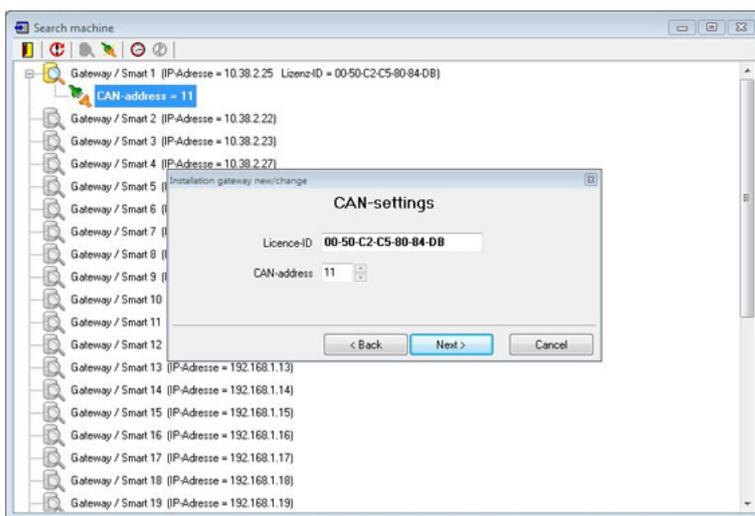
Gateway (see **2.3.2** Variant 2 - PC is integrated in the net-work with DHCP server on page **12**).
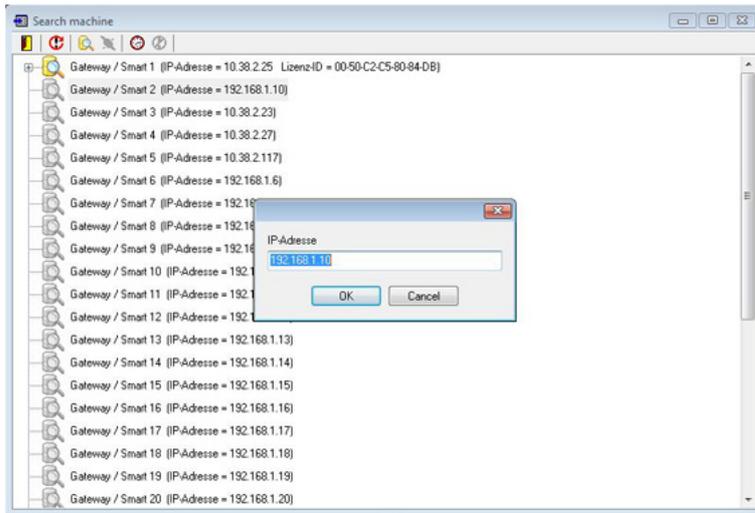
6. Click on **OK.**

7. The **Licence ID** is comprised of the MAC address, which is made up of twelve characters (number-letter combination) plus a checksum.
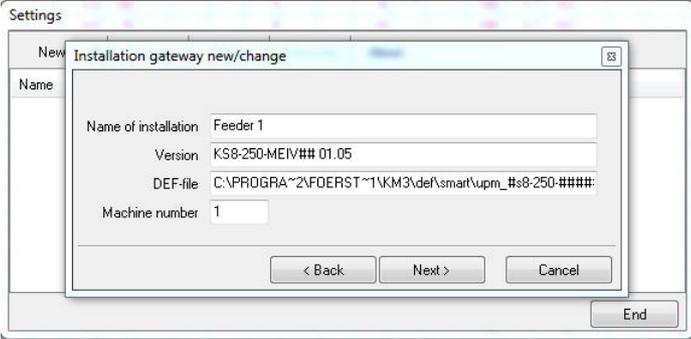

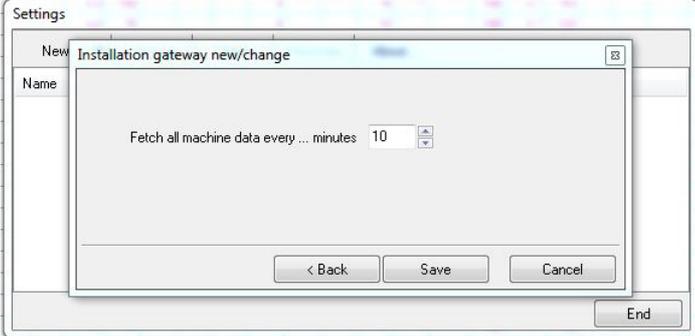| **Note**	To see the licence ID, the Automatic feeder must be switched on.

8. In **CAN address**, select the CAN bus address of the Automatic feeder. In the default settings, the Automatic feeder has 11 as its Can bus address.

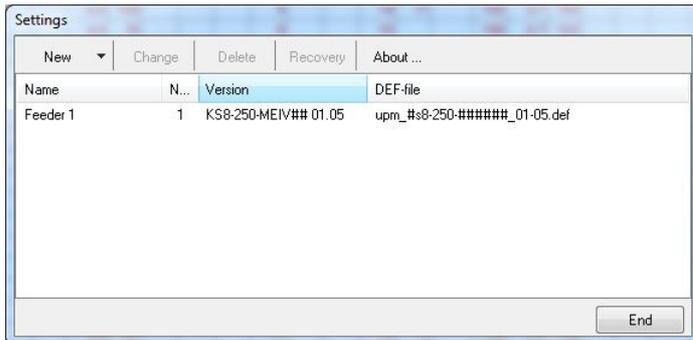| Note	The CAN address can be seen in **Setup > Machine > Address**.

9. Assign a name to the connection to the device and click on **Continue**.

10. Set the time interval at which the **machine data** are to be transferred to KalbManagerWIN and click on **Save**.

11. The data of the Automatic feeder will be displayed in the following window.

2.3.2 Variant 2 - PC is integrated in the network with DHCP server

Your PC is integrated in a network with DHCP server (e.g. a DSL router). The **Retrieve IP address automatically** field is activated in the display.
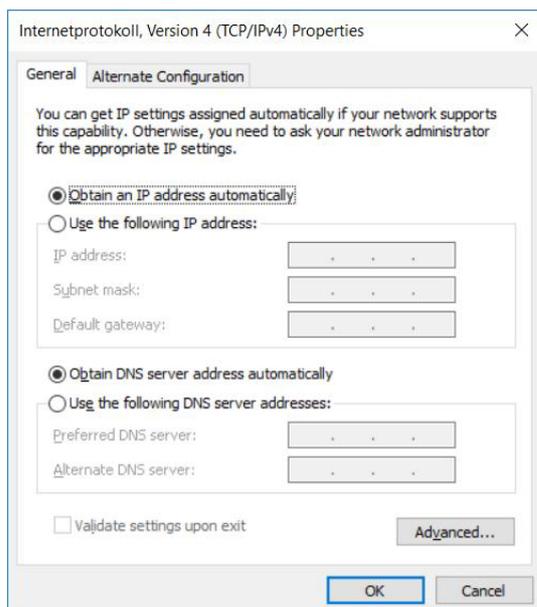
Your computer automatically obtains an IP address from your DHCP server. In order to set up communication between com-

puter, DHCP server and Automatic feeder, these must be in the same address range. The IP of the Automatic feeder can be adjusted to match the address range of your DHCP server.

1. Confirm all entries with **OK** and **close all windows**.

2. In the **Setup** of the Automatic feeder **Communication > Network configuration > IP assignment,** select the value [**DHCP**].

3. Confirm the message **accept?** with Enter.

4. Make a note of the **IP address** from **Setup > Communication > Network configuration > Gateway**.

5. Confirm with **OK** and close all windows.

6. Install the NetTerminalPlus/KalbManagerWIN software (see **2.3.1** Variant 1 - PC is not integrated in the network on page **6**).
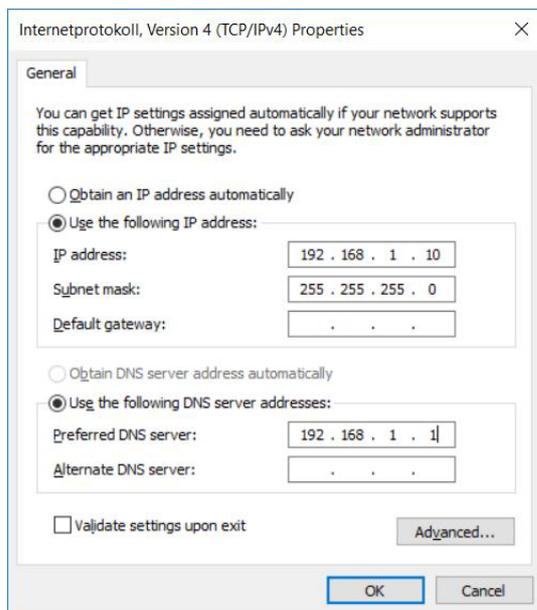
2.3.3 Variant 3 - PC is integrated in the network

Your computer is connected to a network. The **Use following IP address** field is activated.

1. Made a note of the displayed IP address.

2. In the **Setup** of the Automatic feeder **Communication > Network configuration > IP assignment,** select the value [**static**].

3. Confirm the message **accept?** with Enter.

4. In the **Gateway** line, enter the **IP address**.

Note	The first three number blocks define the fixed address rang and must match the displayed IP address of the PC. The last number must **NOT** match that of the PC.

5. Install the NetTerminal/KalbManagerWIN software (see **2.3.1** Variant 1 - PC is not integrated in the network on page **6**).

2.4 Connecting additional Automatic feeders

- NetTerminalPlus can control an unlimited number of Automatic feeders.

- KalbManagerWIN can communicate with up to 32 Automatic feeders.

2.4.1 Connecting several devices to the PC

Connect the Automatic feeder to the PC via the Ethernet cable (see **2.1** Connecting the Ethernet cable on page **2**).

⚠ DANGER Risk of fatal injury from electric shock. The electrical components of the Automatic feeder are live. Switching off via the main switch/control switch does not take the voltage on the device. Always first turn off the Automatic feeder using the main switch/control switch and disconnect the mains plug before connecting the Ethernet cable.

A switch is to be recommended if several devices are present.

3 Eliminating failures

Failure	Cause	Remedy
NetTerminalPlus/ KalbManagerWIN has no access to the data of the Automatic feeder	• Network cable, power cable or USB cable is not or is not correctly plugged in.	• Plug in the cable
	• The electronics is not functioning perfectly at the moment	• Switch off the Automatic feeder and disconnect the power plug. After a waiting time of 10 seconds, connect it again with the mains and switch it back on.

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