

Position Control Unit

PS 10-32

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Included Items:

- Control unit
- USB cable 2 m long
- Acceptance certificate



The following accessories are available:

- External desktop power supply (100-240V, 90W)
- Connecting cable with plug for different positioning systems
- CANopen connecting cable 2 m long
- Connecting cable 2 m long for power supply
- Terminating connectors for bus interface

**This short manual does not replace the user manual.
It is only an additional instruction for qualified personnel.**

You can download the complete manual and the OWISoft on the OWIS website.

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Before Setup:

- Verify that all listed parts are included in the delivered package.
- Follow the safety instructions contained in the user manual.

Initial Operation

The initial operation consists of:

- ▶ **Hardware** part
- ▶ **Software** part:
 - Driver installation
 - Start-up via the PC (OWISoft)
 - Start-up via the PC (User's Application Software)

Hardware start-up

PREPARING CONTROL:

! Note:

- Plugs and cables must not be connected or disconnected while powered.

Before switching on and starting the control all peripheral devices have to be connected. Otherwise they will not be identified and initialized by the control unit.

A minimum distance of 15 cm to closed surfaces and walls must be maintained to avoid heat accumulation in the control unit or at the heat sink.

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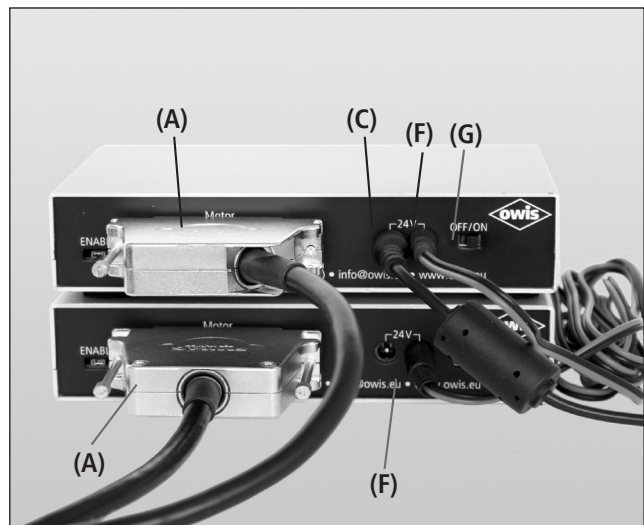
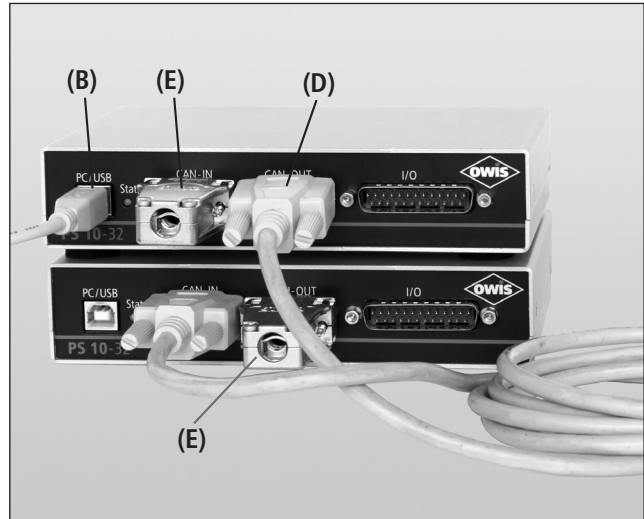
1) Connect:

- Positioning unit (A)
- Computer (B)
- Power supply (C)
to the according ports of the control unit.

1.1) CANopen crosslinking (optional):

additionally connect:

- Crosslinking for signal (CANopen bus) (D)
- Terminating connectors (E)
- Connecting cable for power supply (F)



! Note:

- On / Off Switch (G).
The PS 10-32 master control unit to which the USB cable (B) is connected has to be switched on last.

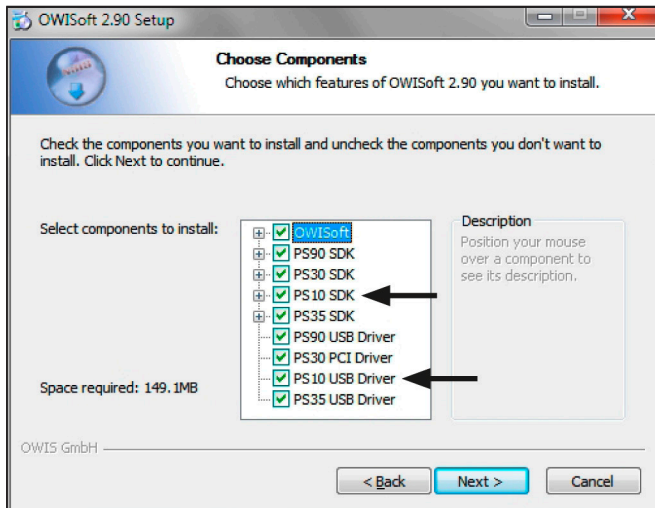
Software start-up

2) Start the computer, install software and drivers as follows.

Supported operating systems: Windows XP, Windows Vista (32/64 bit), Windows 7 (32/64 bit), Windows 8 (32/64 bit), Windows 8.1 (32/64 bit) and Windows 10 (32/64 bit).

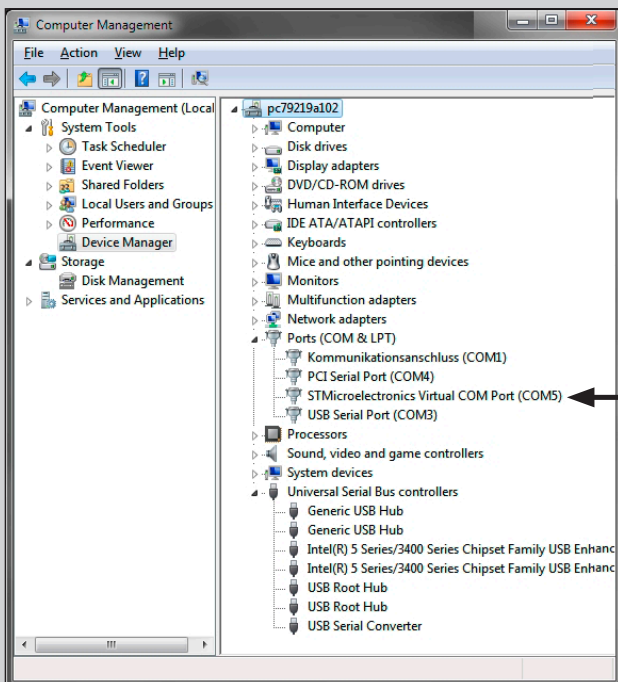
During installation administrator authorisation is required.

- For the installation please start "setup.exe".
- Enter the necessary user data (username and company - any entry) and the password (delivered).



- Select the "PS10 SDK".
- Select the "PS10 USB Driver" during the installation. All necessary files will be installed into the folder ("..\OWISoft\ps10\usb_driver"). Afterwards, the driver will be installed automatically.
- Restart the computer after installation.

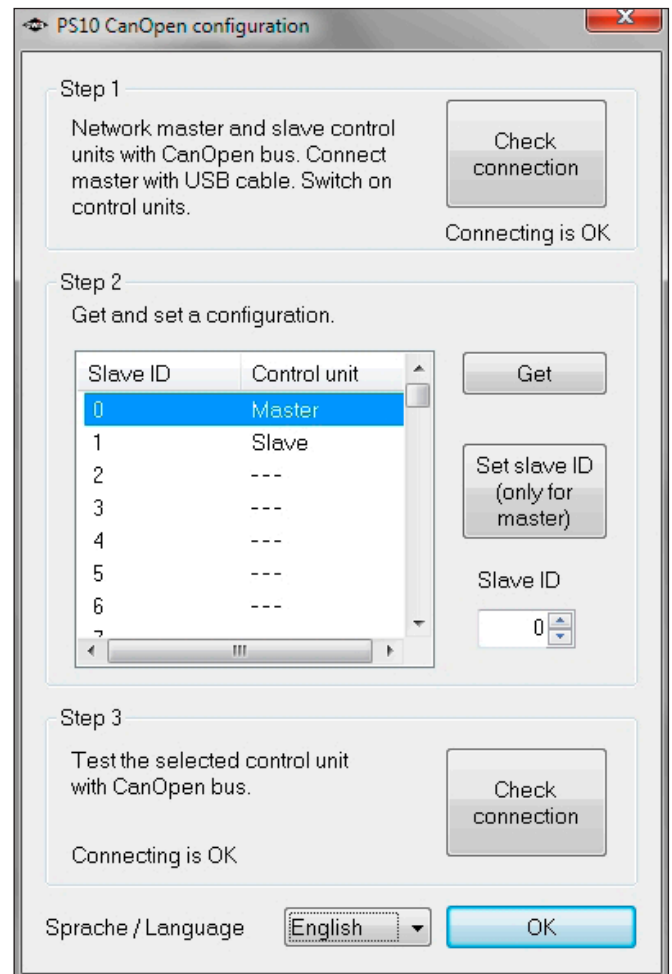
- During the installation of the USB driver a virtual serial interface is created. It behaves like a normal serial interface (COM port).



- For further details concerning the driver installation: "`..\OWISoft\ps10\usb_driver`".

2.1) CANopen Networking (optional):

- Activating a networked control unit is made by Master/Slave addressing (ID). The control unit connected via USB automatically becomes the master.
- The corresponding ID's to the control units are preconfigured and can be seen in the acceptance certificate (see "Slave ID").



- If a reassignment of a slave ID is necessary, please start the application "PS10 CANconfig.exe" in the directory "`..\OWISoft\Application\System`". The proceeding to change an ID of a control unit is described in the chapter "Initial Operation of the PS 10-32" of the PS 10-32 manual.

Start-up using OWISoft

A short manual for the configuration via OWISoft has been included separately.

Start-up using user's application software

If the control shall be used by a user's own software, a precise knowledge of the control is essential.

Please read the manual for the control carefully.

There, you will also find a chapter "Instructions Concerning the Setup of User Application Software", as well as the command table for the PS 10-32.

