ZIP-USB-MP US

For interfacing PC with…MFT US type actuators

BELIMO

Application

The ZIP-USB-MP is used with the Belimo PC-Tool software (MFT-P) to interface all Multifunctional (…MFT US) type actuators via a USB port. Monitoring and parameterization of **one** MFT actuator is enabled.

The ZIP-USB-MP can also be used to interface the MFT actuators functionality via the UK24LON.

Connection and Operation

Power supply
Power for the ZIP-USB-MP is supplied via the connected MFT actuator.

Connection and Indication
A PC is connected through the USB port and the associated cable.
An MFT actuator is connected through a special cable with RJ11-plug. (Not included)

Indication (See Accessories)
LED's show the status of the interface and the flow of data between the ZIP-USB MP and the MFT actuator/VAV controller.

LED *Initialized*
Data is transmitted from ZIP-USB-MP to actuator.

LED *Data*
- Data transmitted from actuator to ZIP-USB-MP.
- LED flashes synchronously when initlaized if an actuator does not respond.

LED *Enable*
Steady light when the interface is active.

Accessories
ZK1-GEN: Cable 16 ft, RJ11-plug,
           New Generation Plug.
ZK2-GEN: Cable 16 ft, RJ11-plug, open wires,
           New Generation Plug.
ZK3-GEN: Cable 16 ft, 3 Pin Weidmueller Plug,
           New Generation Plug.

Technical Data	ZIP-USB-MP US
Power Supply	AC 24 V 50/60 Hz, DC 24V
Nominal voltage range	AC 19.2…28.8 V, DC 21.6…28.8 V
Driver	For Windows 2000 or XP (download @www.belimo.com)
Connections	
• USB	USB 2.0, 1 m cable
• MP device	RJ11-socket
Electrical Safety	III safety extra-low voltage
Degree of protection	IP 20
Ambient temperature range	0 to 122 °F -40 to 176 °F
Weight	<1.0 lb

A driver must be installed on the PC in order to use the ZIP-USB-MP. This driver can be downloaded from the Belimo website (Download section). Once the driver has been installed, the ZIP-USB-MP is logged in on the PC as a virtual COM port.

Supported operating systems

- Windows 7
- Windows VISTA
- Windows XP
- Windows 2000

Preparation

Download the zipped "Driver_ZIP-USP-MP.zip" file from the Belimo website (Download section) to a folder on the hard disk of your computer. Then extract the ZIP file.

Installing

Note
Administrator privileges are required for the installation

a) Connect the ZIP-USB-MP to the USB port on your computer. The computer reports that it has detected new hardware and opens the following screen automatically: Hardware Update Wizard.
b) Click the radio button: Install from a list or specific location (Advanced).

c) Then click "Next".

Installing	*(Continue)*

d) Check the box: Include this location in the search, then select the folder to which you extracted the driver (see step 1; in this example ZIP-USB-MP).
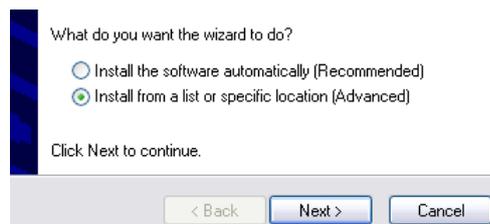
e) Click "Next".

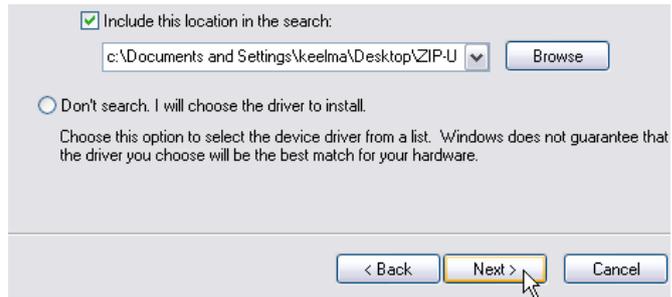f) The driver is now installed ... .

g) Click "Finish".

h) After the driver has been installed, the USB port must be paired to a COM port. Click the radio button in the Wizard: Install from a list or specific location (Advanced).
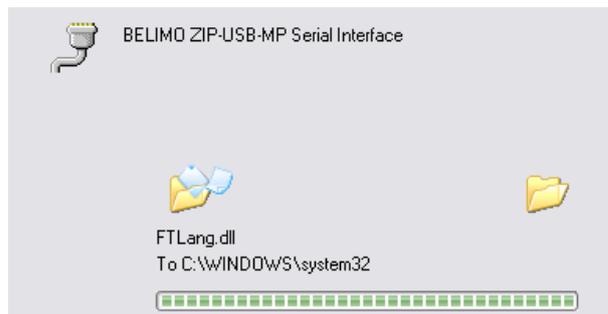
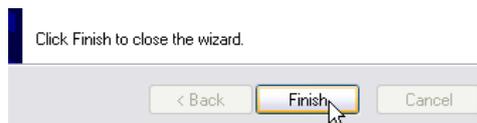**Installing**   *(Continue)*

i)   Click "Next".

k)   The USB port is now paired to a COM port.


l)   Click "Finish".

Checking

Checking the USB/COM connection on your computer

You must define a COM port number under "Options" in order to work with Belimo PC-Tool MFT-P V3. To find out which COM port number is the correct one, you need to check which COM port the USB port was automatically connected to by the system.

a) Select "Settings/Control Panel/System" in the Windows 2000 or XP "Start" menu. On the "Hardware" tab, click "Device Manager".
    Under Windows VISTA select "Settings/Control Panel/Device Manager".

b) You can see here that the USB port on the ZIP-USB-MP has been connected to COM 8, for example (a different COM number may apply on your PC).
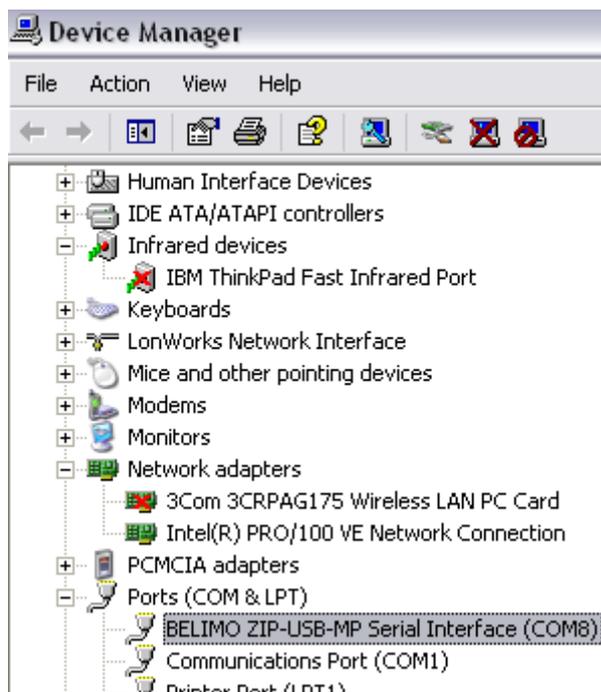
Selecting the same COM port in PC-Tool Version 3

After selecting the COM port, for example "COM=8" (a different COM number may apply on your PC), you can set to work with the Tool.