USB : Technical notes

From EDI 3.00A and ComET 2.00A, the user can communicate with a ETEL device using USB

1.   INSTALLING USB DRIVER

USB ETEL devices can be used on Windows 2000, XP, VISTA and Windows 7, **32 bits
operating systems.**
From EDI 3.10A or ComET 2.05A, USB is also available for Windows 7 64 bits

Installation on Windows 7:
1.   Plug in your USB Etel device
2.   Windows cannot install a driver automatically. A message appears specifying that the driver could not be installed.
3.   Go in Control panel -> System -> Device manager.
4.   You will see a "AccurET device". Right-click on it and choose "Update driver"
5.   Choose the second option "Find a driver on my computer"
6.   Put your ComET CD (version 2.00A or greater, version 2.05A or greater for Windows 7 64 bits) or your EDI CD (version 3.00A or greater, version 3.10A or greater for Windows 7 64 bits) and select the directory: driver\usb\.... Press next
7.   Choose the second option "Find a driver on my computer"
8.   When the assistant starts, choose the option "Display the list of available drivers…"
9.   Choose "Other peripheral"
10. After that, choose to install from a "provided disk"
11. Put your ComET CD (version 2.00A or greater, version 2.05A or greater for Windows 7 64 bits) or your EDI CD (version 3.00A or greater, version 3.10A or greater for Windows 7 64 bits) and select the directory: driver\usb\Win2000-XP-Win7-32bits or driver\usbWin7-64bits
12. Windows will install the needed driver. In some cases, Windows will give a message indicating that the driver is not Windows-Certified. This is without consequence.

Installation on Windows 2000, XP and VISTA:
1.   Plug in your USB Etel device
2.   Windows detects a new USB device and ask for a driver.
3.   When the assistant starts, choose the option "Display the list of available drivers…"
4.   Choose "Other peripheral"
5.   After that, choose to install from a "provided disk"
6.   Put your ComET CD (version 2.00A or greater) or your EDI CD (version 3.00A or greater) and select the directory: drive r\usb\Win2000-XP

7. Windows will install the needed driver. In some cases, Windows will give a message indicating that the driver is not Windows-Certified. This is without consequence.

2. OPENING USB device

The general syntax, when opening an EDI driver is:

> dsa_open_u(DSA_DEVICE *dev, char_cp url);

The parameter « url » specifies the type of driver to be used and has the following general syntax:

> **etb :** <driver> **:**<axis>

For a USB Etel device, the driver has the following syntax:

> **USB**

Examples :

> Opening drive 0 connected Through USB :

```
DSA_DRIVE *drv = NULL;
int err;

if (err = dsa_create_drive(&drv))
        goto _error;
if (err = dsa_open(drv, "etb:USB:0");
        goto _error;
```

It is possible to open many USB devices but each device must have its own drive number.
By opening many USB devices, EDI will act as a "master". But be aware that no synchronisation between USB devices will be done. If you send a command to many devices, EDI will send it to each device one after the other.