



1 USB-adapt-uni

Used with a USB lead, the *usb-adapt-uni* forms a universal connecting link between the 5 V-SIO connector fitted to our devices and the USB input / output of a personal computer (PC or laptop).

The *usb-adapt-uni* can be used to transfer charge / discharge data from a charger to a graphical analysis program running on the PC.

1.1 Preparing to connect the unit

If you have not already done so, install the requisite USB driver (for the FTDI converter chip in the USB adaptor) on your PC. The driver assigns a virtual COM interface to the USB port of your computer as soon as the *usb-adapt-uni* is connected to the PC. This interface can then be addressed by the analysis program *Akkusoft*, *winsoft* or a terminal program.

You can find this driver:

- in the Download section C 4 of our website;
- on the USB stick which is supplied with the USB-adapt-uni-set.

1.2 Connecting the unit

1.2.1 Connect the USB connector attached to the *usb-adapt-uni* to one of your PC's USB ports. The connecting lead required is supplied, for example, with the *usb-adapt-uni-set*.

As soon as the connection is made, the driver occupies one of your PC's COM ports.

1.2.2 Connect the 5 V-SIO connector to your battery charger (nextGeneration, LiPoCard, ...)

1.3 Establishing the COM interface in use (under Windows)

You can establish the number of the COM port occupied by the driver by right-clicking on the workplace symbol of your PC; click or double-click on Properties, Hardware, Device Manager, Ports (COM and LPT).

1.4 Setting the COM port (in the Akkusoft analysis program)

Open *Akkusoft* (program written by Martin Adler). Open the pull-down menu entitled "Connection", then click on "Properties". Select the port identified under 1.3, then click on OK.

1.5 Checking the function of the COM interface (in the Akkusoft analysis program)

Click on "Info", then on "Online Info". An information window opens, displaying the communication between the charger and the PC.

Now connect the charger to the power supply, or – if you have already done that – connect a battery to the charger.

The interface data appears in the "Online Data" window mentioned above.

If a) you have connected a nextGeneration charger to the power supply and the USB-adapt-uni, and b) you have not yet connected a battery, and c) the Online Data window of Akkusoft is set to "Terminal Mode", then you can very easily check the interface (in both directions) using the following method: type a few letters or numerals on your PC keyboard, and the text should then appear in the "Online Data" window.



2 USB-adapt-alpha

The *usb-adapt-alpha* is an interface adaptor which provides a simple means of configuring our alpha receivers using one of your PC's USB ports.

The only additional item you need is a USB lead (and not, as previously, two adaptors); you also do not need to connect a receiver battery to power your receiver, as was previously the case.

2.1 Preparing to connect the unit

If you have not already done so, install the requisite USB driver (for the FTDI converter chip in the USB adaptor) on your PC. The driver assigns a virtual COM interface to the USB port of your computer as soon as the *usb-adapt-uni* is connected to the PC. This interface can then be addressed by the *alphasoft* program.

You can find this driver:

- in the Download section C 4 of our website;
- on the USB stick which is supplied with the USB-adapt-alpha-set.

2.2 Connecting the unit to a PC

Connect the USB connector attached to the *usb-adapt-alpha* to one of your PC's USB ports. The connecting lead required is supplied, for example, with the *usb-adapt-alpha-set*.

As soon as the connection is made, the driver occupies one of your PC's COM ports.

2.3 Establishing the COM interface in use (under Windows)

You can establish the number of the COM port occupied by the driver by right-clicking on the workplace symbol of your PC; click or double-click on Properties, Hardware, Device Manager, Ports (COM and LPT).

2.4 Setting the COM port (in the alphasoft configuration program)

Open *alphasoft*. Open the pull-down menu entitled "File", then click on "Settings". Select the port identified under 2.3, then click on OK.

Note: if you had started *alphasoft* before connecting the USB port, then it will not be aware of the new interface. In this case you must close *alphasoft* and re-start it.

2.5 Configuration

Click on "Connection", then on "Make connection". A window opens, requesting you to connect the power supply.

This means that you must insert the 6-pin plug into channels 1 and 2 (alpha 8 – figs 2.5.1 and 2.5.2) or channels 1 and 4 (alpha 4 – fig. 2.5.3).

The monitor window now displays the message "Making connection", and a few seconds later "Connection successful". You can now configure the receiver, or read out the old configuration.

⚠ When configuring an *alpha* receiver it is essential that no servos are connected to the *alpha*, as the PC's USB output might detect an excess current situation, and switch off the USB output.

