



UNICARD

USB-TTL external memory device for Eliwell instrumentation and/or DeviceManager software

This document provides technical information relating to the product and its use when connected to a compatible Eliwell instrument by means of the white TTL connector. For use with **DeviceManager** software via a USB connection, see manual 8MA10219.

UPLOAD-Copying the parameters of an instrument to UNICARD

- Switch on the instrument with which UNICARD is used
- Connect UNICARD to the instrument with the 5-way TTL cable (4 black + 1 red wire, OR 4 black + 1 yellow wire) supplied in the pack. Depending on the instrument, you will need to use either the standard TTL connection cable (4 black + 1 yellow wire) or the mignon TTL connection cable (4 black + 1 red wire).



- Before performing any operation, format the system using the appropriate menu of the connected instrument (see specific menu); the red LED flashes rapidly and the instrument's display shows the outcome of the operation (usually "y" - see the documentation for each individual instrument for details). The operation usually takes just a few seconds.
- Using the appropriate menu on the connected instrument, perform the upload-UL. See the documentation for the individual devices for instructions on how to access the menu and upload data.
- A red LED will remain ON during the writing operation. On completion of the operation, the LED will switch off and the display will show the outcome of the operation (usually "y", see the documentation for each individual instrument for details). The operation usually takes just a few seconds.
- If the outcome is negative (usually denoted by an "n" on the display, see Trouble Shooting).
- Disconnect UNICARD.

DOWNLOAD-Copying parameters from UNICARD to the connected instrument

The operation can be performed in two different ways, each with the same result, as described below. Neither way depends on the presence of a compatible parameters list in UNICARD, uploaded according to the procedure described previously or with **DeviceManager**. Depending on the type of instrument, downloading can only be performed in manual or in manual and automatic. See **Trouble Shooting** section.

AUTOMATIC DOWNLOAD (FROM INSTRUMENT RESET)

- Connect UNICARD to the instrument with the 5-way TTL cable (4 black + 1 red wire, OR 4 black + 1 yellow wire) supplied in the pack. Depending on the instrument, you will need to use either the standard or the mignon TTL connection cable.



- Switch the instrument on.
- The red LED inside UNICARD will remain ON during the transfer, while the instrument's display will be OFF. On completion of the operation, the red LED in UNICARD switches off and the instrument's display switches on. The instrument's display will show the outcome of the operation (typically "dLy", see the specific documentation for each individual instrument for details).
- The operation usually takes just a few seconds.
- If the outcome is negative (usually "dLn" does not appear on the display), see Trouble Shooting.
- Disconnect UNICARD.

MANUAL DOWNLOAD

- Switch on the instrument with which UNICARD is used
- Connect UNICARD to the instrument with the 5-way cable (4 black + 1 red wire) supplied in the pack. Depending on the instrument, you will need to use either the standard or the mignon TTL connection cable.



- Perform the download-dL using the appropriate menu of the connected instrument. See the documentation for the individual devices for instructions on how to access the menu and upload data.
- A red LED will remain ON during downloading. On completion of the operation, the LED will switch off and the display will show the outcome of the operation (usually "y", see the documentation for each individual instrument for details).
- The operation usually takes just a few seconds.
- If the outcome is negative (usually denoted by an "n" on the display), see Trouble Shooting.
- Disconnect UNICARD.

FORMATTING-Deleting the contents of UNICARD

This operation results in complete deletion of the contents of UNICARD. Once started, the procedure is irreversible and cannot be interrupted.

- Switch on the instrument with which UNICARD is used.
- Connect UNICARD to the instrument with the 5-way cable (4 black + 1 red wire) supplied in the pack. Depending on the instrument, you will need to use either the standard or the mignon TTL connection cable.



- Perform the formatting operation-Fr using the appropriate menu of the connected instrument. See the documentation for the individual devices for instructions on how to access the menu and upload data.
- The red LED inside UNICARD will flash during the operation. On completion of the operation, the LED will switch off and the display will show the outcome of the operation (usually "y", see the documentation for each individual instrument for details)
- The operation usually takes just a few seconds.
- If the outcome is negative (usually denoted by an "n" on the display), see Trouble Shooting.
- Disconnect UNICARD.

OTHER CONNECTIONS

1. UNICARD can be powered using an ordinary mains-USB power supply unit. When you then connect the instrument with a TTL cable, you can carry out automatic/manual downloading-dL, uploading-UL or formatting-Fr without having to power the instrument itself.



2. UNICARD can be powered using an ordinary battery-USB power supply unit. When you then connect the instrument with a TTL cable, you can carry out automatic/manual downloading-dL, uploading-UL or formatting-Fr without having to power the instrument itself.



IMPORTANT: It is NOT possible to power UNICARD from an external source with a powered-up instrument.

TROUBLE SHOOTING

PROBLEM	SOLUTION
Upload-UL fails ("n" or other error message appears on the display)	<ol style="list-style-type: none"> 1. Make sure you have used the correct cable (5-way TTL 4 black + 1 red cable, OR 4 black + 1 yellow cable) supplied in the pack. 2. Make sure the cable is plugged in correctly at both ends 3. Format UNICARD as described. UNICARD probably already contains a parameters list, in which case it must be deleted before you can perform the operation. 4. Make sure that the instrument is compatible with UNICARD-see table.
AUTOMATIC Download-dL fails("dLn" or other error message appears on the display)	<ol style="list-style-type: none"> 1. Make sure the connected instrument includes an automatic download function; if not, perform the operation manually. 2. Make sure you have used the correct cable (5-way TTL 4 black + 1 red cable, OR 4 black + 1 yellow cable) supplied in the pack. 3. Make sure the cable is plugged in correctly at both ends. 4. Format UNICARD as described. It is probable that: <ul style="list-style-type: none"> -either UNICARD already contains a parameters list and that this is NOT compatible with the connected instrument -or UNICARD does not contain a parameters list. Format the system and then re-load the parameters list in UNICARD by uploading it (UL) from another instrument or from DeviceManager. 5. Make sure that the instrument is compatible with UNICARD-see table. 6. Make sure the models are congruous/compatible (e.g.: make sure the parameters list generated corresponds with the instrument in use IDPLUS974 with IDPLUS974 positive result.... IDPLUS974 with IDPLUS 971 NEGATIVE result).
MANUAL download-dL fails ("n" or other error message appears on the display)	<ol style="list-style-type: none"> 1. Make sure you have used the correct cable (5-way TTL 4 black + 1 red cable, OR 4 black + 1 yellow cable) supplied in the pack. 2. Make sure the cable is plugged in correctly at both ends. 3. Format UNICARD as described. It is probable that: <ul style="list-style-type: none"> -either UNICARD already contains a parameters list and that this is NOT compatible with the connected instrument -or UNICARD does not contain a parameters list. Format the system and then re-load the parameters list in UNICARD by uploading it (UL) from another instrument or from DeviceManager. <p>Make sure that the instrument is compatible with UNICARD-see table.</p>
Formatting-Fr fails ("dLn" or other error message appears on the display)	<ol style="list-style-type: none"> 1. Make sure you have used the correct cable (4 black wires + 1 red). 2. Make sure the cable is plugged in correctly at both ends. 3. Make sure that the instrument is compatible with UNICARD-see table.
The red LED in UNICARD does not switch on during the operations	<ol style="list-style-type: none"> 1. If this happens at the same time as one of the problems listed above, see the relevant case. 2. If the operations are completed successfully anyway, the LED itself is faulty and this has no bearing on the operation of the system.

<p>COMPATIBLE INSTRUMENTS IDPlus version 2-ALL MODELS EW-ALL MODELS EWPlus-ALL MODELS For all other instruments in use, contact Eliwell for compatibility</p>	<p>SUPPLY AND PARTS LIST The pack contains: One UNICARD P/N CCA0BHT00UU00 1 standard TTL-TTL cable P/N 1500206 1 standard TTL-TTL cable P/N 1500224 This documentation P/N 9IS24180 On request: USB extension lead P/N COLV000016200</p> <p>TECHNICAL DATA USB connection 2.2</p>
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