mobiLink V1.20

Getting started

Read this page and the **Hardware Guide** on the USB stick before you unpack, install and operate mobiLink to ensure safe and proper use.

Unpacking your mobiLink

1. Take the device and the accessory parts out of the box.
2. Save box and packing material for future use.
3. Verify that the following items are contained undamaged:
   - ✓ mobiLink device
   - ✓ USB cable (2m)
   - ✓ red and black testing cables with clamp
   - ✓ 3 AA batteries
   - ✓ USB memory stick containing software applications and documentation

Setting up your mobiLink

1. Insert the USB stick into your computer. The setup program will start automatically. If it does not start automatically double-click the start.exe file in the root menu. The setup window appears.
2. Select the installation language.
3. Select *Installation of the mobiLink Software.*
4. Install the software components and follow the install shield instructions.
5. Read the provided documentation.

Startup and Operation

Insert the batteries, switch on the device and wait 5 seconds until the battery check is performed. The operation of mobiLink requires the use of management tools like FDT frame applications or configuration tools on Windows PCs or tablets or smartphones.

See the **Hardware Guide** for safety requirements and details on how to set up a USB and Bluetooth communication and how to configure the fieldbus and HART connection.

During startup mobiLink tries to verify the operation mode against the connected fieldbus. If fieldbus terminals are connected to an operating 4-20 mA link this will compromise the analog process value. Make sure to use the correct connections and mode.

Transport and Maintenance

Remove the batteries for transport from the device to ensure that mobiLink is mechanically secured against being switched on inadvertently. Periodically wipe the housing with a damp cloth. Do not use abrasives or solvents. Do not clean the device inside hazardous areas! mobiLink does not contain user serviceable parts. No modifications or repair on the device are allowed. The operator is responsible for the transportation and maintenance of the product.

Safety

mobiLink must be operated by qualified personal only. To ensure the safety of personnel and equipment, mobiLink must be used as intended by Softing and in accordance with local laws and regulations. See the **Hardware Guide** for safety requirements and regulations.

Explosion protection

mobiLink has been developed for use in hazardous areas, classified as Zone 1/Zone 2 (Gas-Ex Category 2G). It is approved for explosion group IIB and temperature Class T4 or higher. Make sure that you use mobiLink only in compliance with local safety requirements for installation of electrical equipment for use in hazardous areas associated with explosive atmosphere. See the **Hardware Guide** for details.

⚠️ Do not use the USB communication mode inside hazardous areas!

Declaration of conformity

This product meets all requirements of the following applicable EU Directives and harmonized standards (see overleaf).

▪ 2014/30/EU "EMC"	▪ 2014/34/EU "ATEX"
▪ 2011/65/EU "RoHS"	▪ 2014/53/EU "RED"

Bluetooth

This product has been tested and approved for Bluetooth wireless communication in the following regions and countries:

	▪ European Union
	▪ USA
	▪ Canada
	▪ Japan

Certification of conformity

This product is IECEx and ATEX certified (see overleaf) and was found to comply with the standards and requirements indicated by the following marks:

IBExU Institut für Sicherheitstechnik GmbH
An-Institut der TU Bergakademie Freiberg

[1] **EU-TYPE EXAMINATION CERTIFICATE - Translation**

[2] Equipment or protective systems
intended for use in potentially explosive atmospheres, Directive 2014/34/EU

[3] EU-type examination certificate number **IBExU18ATEX1001** | Issue 0

[4] Product: **mobiLink**

[5] Manufacturer: Softing Industrial Automation GmbH

[6] Address: Richard-Reitzner-Allee 6
85540 Haar
GERMANY

[7] This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] IBExU Institut für Sicherheitstechnik GmbH, notified body number 0637 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the essential health and safety requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential test report IB-17-3-0132.

[9] Compliance with the essential health and safety requirements has been assured by compliance with:
EN 60079-0:2012+A11:2013   EN 60079-11:2012
except in respect of those requirements listed at item [18] of the schedule.

[10] If the sign "X" is placed after the certificate number, it indicates that the product is subject to the specific conditions of use specified in the schedule to this certificate.

[11] This EU-type examination certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

[12] The marking of the product shall include the following:

Ⓔ II 2G Ex ib [ia Ga] IIB T4 Gb
Ⓔ II 2D Ex ib [ia Da] IIIC T100 °C Db
-20 °C ≤ Ta ≤ +50 °C

IBExU Institut für Sicherheitstechnik GmbH
Fuchsmühlenweg 7
09599 Freiberg, GERMANY

By order

A. Henker

(Dipl.-Ing. [FH] Henker)

- Seal -
(notified body number 0637)

Tel: + 49 (0) 37 31 / 38 05 0
Fax: + 49 (0) 37 31 / 38 05 10

Certificates without signature and seal are not valid. Certificates may only be duplicated completely and unchanged. In case of dispute, the German text shall prevail.

Freiberg, 2018-04-13

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EG-Konformitätserklärung
EU Declaration of Conformity

softing

Wir
We

Softing Industrial Automation GmbH
Richard-Reitzner-Allee 6
D-85540 Haar

erklären hiermit in alleiniger Verantwortung, dass das Produkt
declare under our sole responsibility that the product

Modell / Typ
Model / Type

mobiLink   V1.00

mit den Anforderungen der folgenden Richtlinien übereinstimmt
complies with the requirements of the following directives:

ATEX-Richtlinie 2014/34/EU
ATEX directive 2014/34/EU
EMV Richtlinie 2014/30/EU
EMC directive 2014/30/EU
RED-Richtlinie 2014/53/EU
Radio Equipment Directive 2014/53/EU
ROHS-Richtlinie 2011/65/EU
ROHS directive 2011/65/EU

Angewandte harmonisierte Normen
Applied harmonised standards:

EN 55032:2015, Class B
EN 61326-1:2013
EN 61000-6-2:2005/AC :2005
EN 60079-0:2012+A11:2013
EN 60079-11:2012
EN 300328 V2.1.1
EN 301489-1 V2.2.0
EN 301489-17 V3.2.0
EN 62311:2008
EN 62368-1:2014+AC:2015

Haar, den 26.04.2018

Ort, Datum
Place, Date

Template: V1.07

L. Tro

Geschäftsführer
Managing Director

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Version: 1.00

IBExU Institut für Sicherheitstechnik GmbH
An-Institut der TU Bergakademie Freiberg

[13] **Schedule**

[14] **Certificate number IBExU18ATEX1001** | Issue 0

[15] **Description of product**
mobiLink is a handheld battery-powered interface providing access to HART devices, Foundation Fieldbus devices or PROFIBUS PA devices from personal computers, tablet computers or smartphones via USB or Bluetooth connections.
mobiLink may be used in hazardous areas to configure and manage field devices. It may be connected to certified intrinsically safe fieldbus circuits during operation.
According to FISCO, IEC60079-11 annex G, it is a field device.
The user has to make sure that the electrical parameters of the mobilink match the fieldbus installation.

Safety relevant hint:
USB must not be used inside hazardous areas.

Technical data

Ambient temperature:	-20 °C to +50 °C
Ex-area:	zones 1, 21
Gas-classification:	IIB
Dust-classification:	IIIC
FISCO field device	
Intrinsically safety ratings:	FISCO
	or
	Ex ia IIB, Ui = 30 V, Li negligible, Ci 5 nF

non intrinsic safe interface USB 2.0

U_nom	5 V
I_nom	100 mA
Um	253 V

Bluetooth:
RF power: 8 dbm / 7 mW

[16] **Test report**
The test results are recorded in the confidential test report IB-17-3-0132 of 2018-04-13.
The test documents are part of the test report and they are listed there.

[17] **Specific conditions of use**
None

[18] **Essential health and safety requirements**
In addition to the essential health and safety requirements (EHSRs) covered by the standards listed at item [9], the following are considered relevant to this product, and conformity is demonstrated in the test report: None

[19] **Drawings and Documents**
The documents are listed in the test report.

IBExU Institut für Sicherheitstechnik GmbH
Fuchsmühlenweg 7
09599 Freiberg, GERMANY

By order

A. Henker

(Dipl.-Ing. [FH] Henker)

Freiberg, 2018-04-13

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