i safe MOBILE IS-TH1xx.2 Barcode Scanner Trigger Handle Instruction Manual

**IS-TH1xx.2 Barcode Scanner Trigger Handle
Instruction Manual**

Contents

IS-TH1xx.2 Barcode Scanner Trigger Handle

Document No. 1054MM01REV02
Version: 2022-10-27 (c) 2022 i.safe MOBILE GmbH
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www.isafe-mobile.com
This Operating Manual complies with these standards: IEC 60079, IEC 82079, ANSI Z535.6
Diese Bedienungsanleitung erfüllt die Anforderungen der folgenden Normen:
IEC 60079, IEC 82079, ANSI Z535.6

READ AND UNDERSTAND THE INSTRUCTIONS

⚠ **PROTECT YOUR LIFE AND READ THE OPERATING MANUAL**
This Operating Manual is part of the device IS-TH1xx.2 (model MTHA10 / MTHA11). This Operating Manual provides important information for safe use of the device.

- Before using the device, read this Operating Manual carefully and pay particular attention to the "Safety" section and the warnings highlighted with the warning symbol.
- Make sure you have access to this Operating Manual when you need it. You can find the current Operating Manual at **www.isafe-mobile.com/en/support/downloads**
- Follow all instructions given on the device and on the packaging.
- Follow local safety regulations.

INTENDED USE

The device IS-TH1xx.2 is used for scanning barcodes. The device IS-TH1xx.2 is suitable for use in potentially explosive atmospheres classified zone 2/22 in accordance with directives 2014/34/EU, SI 2016 No. 1107 and 1999/92/EC, as well as the IECEx scheme.
Only use the device as described in this Operating Manual. Any other use is considered improper and can lead to death, severe injuries and damage to the device.
The manufacturer i.safe MOBILE GmbH does not assume any liability for damage caused by improper use. The warranty expires in the event of improper use.
WARRANTY
You can find the warranty conditions at **www.isafe-mobile.com/en/support/service**
EX MARKINGS

ATEX:	North America:
II 3G Ex ic op is IIC T4 Gc II 3D Ex ic op is IIIC T135°C Dc EU Type Examination Certificate: EPS 21 ATEX 1 082 X CE-designation:	Class I Div 2 Groups A, B, C, D, T4 Class II Div 2 Groups F, G, T135˚C Class III Div 2 CSA21CA80083773X
IECEx:	Temperature range:
Ex ic op is IIC T4 Gc Ex ic op is IIIC T135°C Dc IECEx Certificate: IECEx EPS 21.0028X	-20°C … +60°C (EN/IEC 60079-0) -10°C … +50°C (EN/IEC 62368-1)
UKEX:	Manufactured by:
II 3G Ex ic op is IIC T4 Gc II 3D Ex ic op is IIIC T135°C Dc UK Type Examination Certificate: CML 21UKEX21327X UKCA-designation:	i.safe MOBILE GmbH i_Park Tauberfranken 10 97922 Lau Germany

EU/UK DECLARATION OF CONFORMITY

You will find the EU/UK declaration of conformity at the end of this Operating Manual or at **www.isafe-mobile.com/en/support/downloads**

PRODUCT COMPLIANCE FOR NORTH AMERICA

Conforms to: STD UL 62368-1, STD UL 913

Certified to: CSA STD CSA C22.2#60079-0, CSA STD CSA C22.2#60079-11, CSA STD CSA C22.2#62368-1

DEVICE OVERVIEW

1. HOLDER: Holder for IS530.2

2. PLUG: Connecting IS530.2

3. SCAN BUTTON: Scanning barcodes

4. EYELET: Eyelet for Lanyard IS-TH

NAME CONCEPT

The two "xx" in IS-TH1xx.2 are placeholders. The IS-TH1xx.2 comes in two variants with different scan ranges and scan engines:

name (model)	scan range	scan engine
IS-TH1MR.2 (MTHA10)	mid range	Zebra SE4750 (MR)
IS-TH1ER.2 (MTHA11)	extended range	Zebra SE4850 (ER)

SAFETY

Read the "Safety" section of this Operating Manual carefully before using the device. If you do not follow these instructions or do not understand them, this could lead to death, severe injuries and damage to the device.
USER
Only trained users who are qualified in the use of Ex devices in explosion hazardous areas and who have read and understood this Operating Manual may use this device.
EX-RELEVANT SAFETY REGULATIONS

- Use of this device assumes that the operator observes the conventional safety regulations and has read and understood Operating Manual, Safety

- Instructions and certificate. When used in explosion hazardous areas, the following Safety Instructions must also be complied with:

- The device may be connected only outside ex-hazardous areas to the IS530.2 via the ISM interface.

- To ensure the IP-protection, it has to be ensured that all gaskets are present and functional. There must be no large gap between the two halves of the housing.

- The device must be securely fastened to the ISM interface when used in ex-hazardous areas.

- The device may not be exposed to any aggressive acids or alkalis.

- The device may only be used in zones 2 or 22.

- Only accessories approved by i.safe MOBILE GmbH may be used.

EX-RELEVANT SAFETY REGULATIONS FOR NORTH AMERICA
Conditions of Acceptability:

- The Barcode Scanner IS-TH1xx.2 must be protected from impacts with high impact energy, against excessive UV light emission and high electrostatic charge processes.

- The 13-Pin connector of the IS-TH1xx.2 may only be assembled or disassembled from the ISM interface outside hazardous areas.

- The 2 pin charging contacts of the IS-TH1xx.2 should only be used in non-hazardous locations.

- Unauthorized repair is not allowed.

- Apparatus is for use in pollution degree 2 or better.

- Only designated charger may be connected to the charging contacts.

- Not suitable for hazardous locations when enclosure is damaged.

USE IN EXPLOSION HAZARDOUS AREAS

⚠ **DANGER**
Improper use can result in death or severe injuries!

- Only use the device in explosion hazardous areas of zones 2/22 or outside of explosion hazardous areas.

- Only connect the device outside explosion hazardous areas to the ISM interface of the IS530.2.

Before entering an explosion hazardous area with the device,

- make sure that the device is securely fastened to the ISM interface of the IS530.2,
- make sure that no gap can be seen between the two halves of the device,
- make sure the device is not damaged,
- make sure that all the labels on the device are readable.

If you use the device in an explosion hazardous area, read and follow the instructions in the "Possible User Errors" section.
Switch off the device immediately and leave the explosion hazardous area without delay if

- malfunctions occur on the device,
- you have damaged the housing of the device,
- you have exposed the device to excessive loads,
- the labels on the device are no longer readable.

POSSIBLE USER ERRORS

⚠ **DANGER**

Improper use can result in death or severe injuries! Follow the instructions below:

- Laser Light. Do not stare into beam class 2 laser product 630 – 680 nm, 1 mW.
- Do not modify the device structurally.
- Do not expose the device to high temperatures.
- Do not expose the device to strong UV radiation.
- Do not expose the device to processes with high electrical charges.
- Do not expose the device to aggressive acids or bases.
- When working in explosion hazardous areas, please note:
- Do not loosen the screws on the device.
- Do not open any interface cover.
- Do not charge the IS530.2.
- Do not open the device.
- Do not damage the device.

SCOPE OF DELIVERY

Your device packaging contains the following:

- 1 x IS-TH1xx.2
- 1 x Operating Manual Safety Instructions
- 1 x Screwdriver
- 1 x Lanyard IS-TH

INSTALLATION

⚠ **DANGER**

Improper use can result in death or severe injuries! Only connect the device outside explosion hazardous areas to

the ISM interface of the IS530.2.

- Unscrew the cover of the ISM interface (1) located on the IS530.2.

- Push the IS530.2 completely into the holder (2) of the device.

- Unscrew the screw (3).

- Loosen the plug (4).

- Attach the plug on top of the ISM interface (5).

- Fix the plug by pressing the rounded end of the plug (6).

- Tighten the screw (7).

- Check whether the plug is correctly and firmly attached to the ISM interface.

The device can now be used together with the IS530.2 in explosion hazardous areas.

POSSIBLE DEVICE PROBLEMS

You can find information on possible device problems and how to rectify them at **www.isafe-mobile.com/en/support/service** under the menu item "FAQ".

If you have any further questions, please contact the i.safe MOBILE repair service at **www.isafe-mobile.com/en/support/service**

MAINTENANCE/REPAIR

The device itself has no serviceable parts.

⚠ **WARNING**

Incorrect repairs present a risk of explosion or fire, which can result in death or severe injuries! Do not open the device or carry out any repairs yourself.

Contact the i.safe MOBILE repair service at **www.isafe-mobile.com/en/support/service** if the device is not working normally, if the device needs to be repaired or if a replacement part is required.

RETURN SHIPMENT

Contact the i.safe MOBILE repair service at **www.isafe-mobile.com/en/support/service**

DISTRIBUTION PARTNER

You can find the specialist distribution partner responsible for your country at **www.isafe-mobile.com/en/contact**

CLEANING

NOTICE

Incorrect cleaning can cause damage to the device. Please note the following when cleaning:

- Do not use chemical agents for cleaning.

- Clean the device with a soft, moistened antistatic cloth.

STORAGE

NOTICE

Incorrect storage can cause damage to the device. Store the device at ambient temperatures between +5 °C to +35 °C (41 °F to +95 °F) and a humidity between 10 % to 60 %.

 RECYCLING

NOTICE

Incorrect disposal of electronic products, batteries and packaging material puts the environment at risk. Please note the following when disposing of items:

- DO NOT throw away batteries with household waste.

- Always dispose electronic products, batteries and packaging material at the appropriate collection points.

  This way, you prevent uncontrolled waste disposal and promote the recycling of material resources.

You can obtain further information from regional waste disposal companies, state authorities or the i.safe MOBILE service centre responsible for your country or region at **www.isafe-mobile.com/en/support/service**

TRADEMARKS

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EU/UK DECLARATION OF CONFORMITY

according to directive 2014/34/EU, SI 2016 No. 1107, 2014/30/EU, SI 2016 No. 1091, 2014/35/EU, SI 2016 No. 1101, 2011/65/EU (2015/863/EU), SI 2012 No. 3032
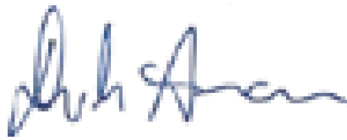
The company i.safe MOBILE GmbH declares under its sole responsibility that the product to which this declaration relates is in accordance with the provisions of the following data, directives and standards:

Name & address of the manufacturer in the EU	i.safe MOBILE GmbH i_Park Tauberfranken 10 97922 Lauda – Koenigshofen Germany
Description of the device	Trigger Handle type: IS-TH1MR.2 and IS-TH1ER.2 model : MTHA10 and MTHA11
Ex – marking	II 3G Ex ic op is IIC T4 Gc II 3D Ex ic op is IIIC T135°C Dc
Conformity statement 2014/34/EU issued by	EPS 21 ATEX 1 082 X Bureau Veritas Consumer Products Services Germany GmbH Oehleckerring 40
Applied harmonized standards	22419 Hamburg, Germany identification number : 2004 EN IEC 60079-0:2018; EN 60079-11:2012; EN 60079-28:2015
Conformity statement SI 2016 No. 1107 issuedby	CML 21UKEX21327X Eurofins E&E CML Limited,
Applied standards	Newport Business Park, New Port Road, Ellesmere Port, CH65 4LZ, United Kingdom identification number 2503 EN IEC 60079-0:2018; EN 60079-11:2012; EN 60079-28:2015

EU/UK DECLARATION OF CONFORMITY

Conformity statement 2014/35/EU issued by Applied harmonized standards	Shenzhen TCT Testing Technology Co., Ltd. 1B/F., Building 1, Yibaolai Industrial Park. Qiaotou, Fuyong, Baoan District, Shenzhen, Guangdong, China EN 62368-1:2014+A11:2017
Conformity statement SI 2016 No. 1101 issued by Applied harmonized standards	Shenzhen TCT Testing Technology Co., Ltd. 1B/F., Building 1, Yibaolai Industrial Park, Qiaotou, Fuyong, Baoan District, Shenzhen, Guangdong, China BS EN 62368-1:2014+A11:2017
Conformity statement 2014/30/EU issued by Applied harmonized standards	Shenzhen TCT Testing Technology Co., Ltd. 1B/F., Building 1, Yibaolai Industrial Park, Qiaotou, Fuyong, Baoan District, Shenzhen, Guangdong, China EN 55032:2015; EN 55035:2017
Conformity statement SI 2016 No. 1091 issued by Applied harmonized standards	Shenzhen TCT Testing Technology Co., Ltd. 1B/F., Building 1, Yibaolai Industrial Park, Qiaotou, Fuyong, Baoan District, Shenzhen, Guangdong, China BS EN 55032:2015; BS EN 55035:2017
Conformity statement 2015/863/EU amending 2011/65/EU issued by Applied harmonized standards	Shenzhen TCT Testing Technology Co., Ltd. 1B/F., Building 1, Yibaolai Industrial Park, Qiaotou, Fuyong, Baoan District, Shenzhen, Guangdong, China IEC 62321-2:2013; IEC 62321-3-1:2013; IEC 62321-5:2013; IEC 62321-4:2013+AMD1:2017; IEC 62321-7-1:2015; IEC 62321-7-2:2017; IEC 62321-6:2015; IEC 62321-8:2017
Conformity statement SI 2012 No. 3032 issued by Applied harmonized standards	Shenzhen TCT Testing Technology Co., Ltd. 1B/F., Building 1, Yibaolai Industrial Park, Qiaotou, Fuyong, Baoan District, Shenzhen, Guangdong, China BS EN 62321-2:2014; BS EN 62321-3-1:2014; BS EN 62321-5:2014; BS EN 62321-4:2014+AMD1:2017; BS EN 62321-7-1:2015; BS EN 62321-7-2:2017; BS EN 62321-6:2015; BS EN 62321-8:2017

CE/UKCA Marking	CE UKCA

Lauda – Koenigshofen 27.10.2022

Dirk Amann
Managing Director
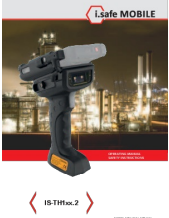
Documents / Resources

i safe MOBILE IS-TH1xx.2 Barcode Scanner Trigger Handle [pdf] Instruction Manual
IS-TH1xx.2, Barcode Scanner Trigger Handle, Barcode Scanner, Trigger Handle, Scanner, Handle, IS-TH1xx.2 Barcode Scanner

References

- ⬡ **Zertifizierte Smartphones, Tablets und Mobiltelefone für IECEx und ATEX Zonen – i.safe MOBILE**
- ⬡ **Wir beraten Sie weltweit – i.safe MOBILE**
- ⬡ **Betriebsanleitungen, Produktflyer, Datenblätter uvm. – i.safe MOBILE**
- ⬡ **Service & Support – i.safe MOBILE**
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- ⬡ **Datasheets, Manuals, Certificates and Product Folders – i.safe MOBILE**
- ⬡ **Our service team will be happy to assist you – i.safe MOBILE**
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