



Operation Manual

IF 750

CS 750

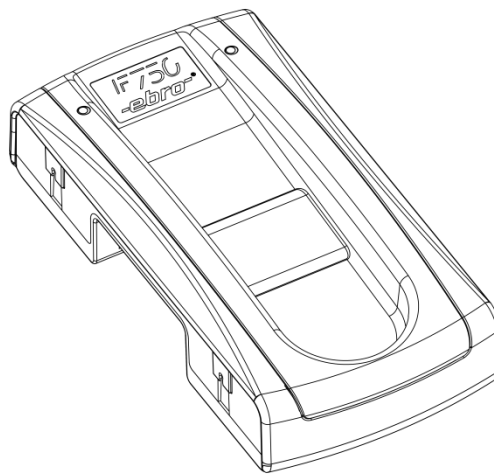


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1. Before working with the device

- Please read the operating instructions carefully.
- Familiarize yourself with your new device, get to know all the functions and components, learn important details for commissioning and the handling the device and get tips for the case of a malfunction.
- By observing the operating instructions, you will also avoid damage to the device and the risk of your statutory rights of defects due to misuse. For damages resulting from failure to comply with this User manual, we assume no liability.
- Pay particular attention to the safety instructions!
- Keep this manual in a safe place!

2. Overview

The IF 750 is an interface for TLC 750 NFC/BT devices. This device provides Bluetooth LE, USB and Ethernet connectivity. It also integrates a NFC reader and a wireless power transfer transmitter.

The CS 750 is a charging station for TLC 750 NFC/BT devices. It integrates a wireless power transmitter.

3. Safety instructions



Operate the device only within the specifications predetermined parameters.

4. Precautions

- Strong electromagnetic fields e.g. induction heaters
- Static electricity

5. Device operation

5.1 Installation and Operation

Power device with USB cable which was part of the original delivery.

If Ethernet should be used for communication, Ethernet settings have to be set by use of EDC software via USB connection. The Ethernet cable used must be shielded.

Bluetooth and NFC reader functionality can be used with EDC software.

5.2 Wireless charging

Put TLC 750 device on IF 750 / CS 750. Wireless power charger automatically starts charging process.

6. Disposal



If the device has become unusable, they must
Dispose of in a way that is appropriate for the environment. Do not dispose of
the device with household waste, but do it according to the specific national
requirements legislation according to recycling.

7. Technical specifications *

Working temperature:	0°C ... +50 °C
Storage temperature	-30 ... +70 °C
Weight	130 g
Dimensions	L x B x T 178 x 90 x 13 mm
Protection class	IP20
Power supply	<p>USB (minimum 500mA capable)</p> <p>Use only USB cable which is part of the original delivery!</p> <p>Requirements for the external Power supply unit:</p> <ul style="list-style-type: none"> -Limited Power Source according IEC60950-1 or PS2 classified IEC62368-1 - Short-circuit current < 8A
Interfaces	<p>USB 2.0 (Type B)</p> <p>Only IF 750:</p> <p>Ethernet 100Mbit</p> <p>Bluetooth 4.0 Low Energy (BLE)</p> <p>NFC Reader 13.56 MHz (ISO 14443 A)</p>
Wireless Power Transmitter	Supports TLC 750 NFC and TLC 750 BT devices

*Reserve technical changes

8. Regulatory information

General



This device is tested according to ETSI EN.
It meets the requirements of ETSI EN

Radio approvals

RED EN 61000-3-2:2014
EN 61000-3-3:2013
EN 61326-1:2013
EN 62368-1:2014
EN 62311:2008
ETSI EN 300 330 V2.1.1
ETSI EN 303 417 V1.1.1
ETSI EN 300 328 V 2.1.1
ETSI EN 301 489-1 V 2.1.1
EN 301 489-3 V2.1.1
EN 301 489-17 V3.1.1

FCC **Information to the user (for details see §15.105(b)):**

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reason-able protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be deter-mined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the Receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Modification of equipment (for details see §15.21):

The Federal Communications Commission (FCC) warns the users that changes or modifications to the unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF exposure statement:

This device complies with the RF exposure requirements for mobile and fixed devices. However, the device shall be used in such a manner that the potential for human contact during normal operation is minimized.

IC **Notice for licence-exempt radio apparatus:**

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- 1) L'appareil ne doit pas produire de brouillage;
- 2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Changes of any kind on the device lead to the expiry of the operating license.
Information, operating instructions and declarations of conformity can be found at
www.ebro.com.

9. Service information

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10. Manufacturer information

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