

ID ISC.MR102-USB-Bib

Installation and starting up

Thank you for deciding to purchase the ID ISC.MR102-USB-Bib.

The ID ISC.MR102-USB-Bib is a device for contactless data exchange with common Transponder according ISO 15693. To this it requires an external Antenna. The connection to a computer or other equipment is carried out via the USB interface.

The HF Mid-Range Reader ID ISC.MR102-USB-Bib is suitable to be used in fields of applications like library, retail, logistics and industry and is easy to integrate in existing systems.

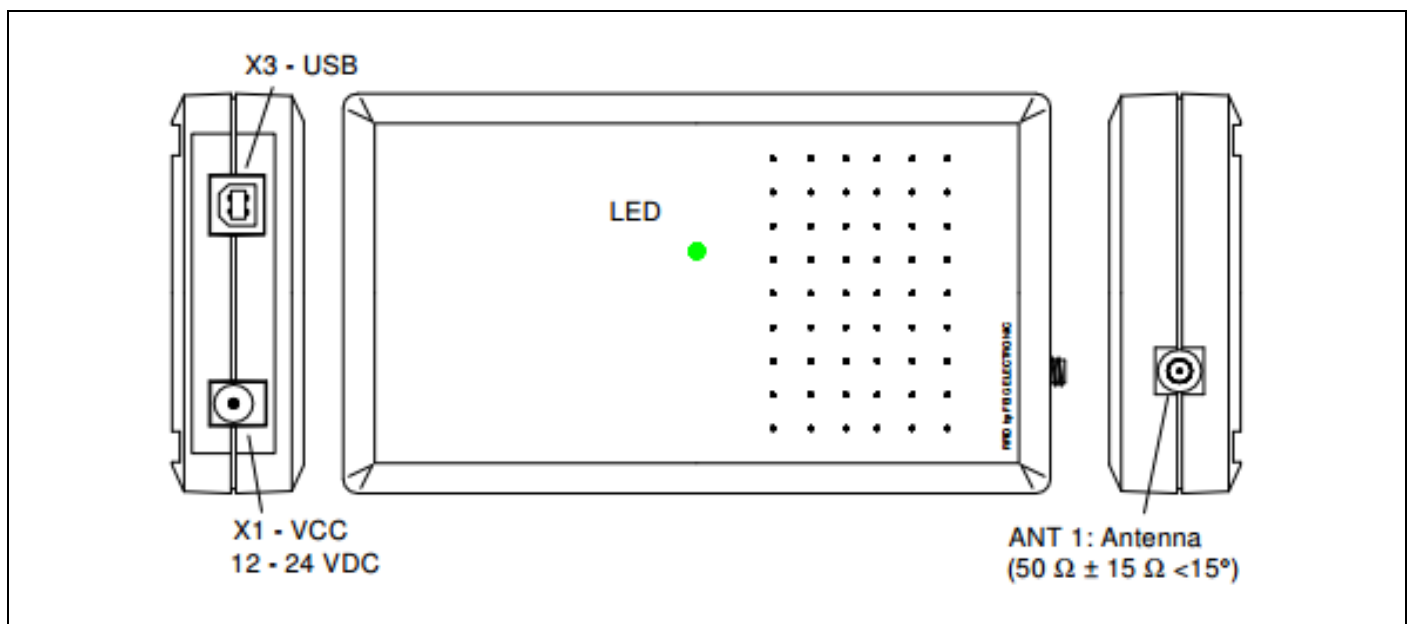


Table 1: Bibliotheca Antennas;

Item	Manufacturer	Model	Type	Connector
1	Bibliotheca	RFID selfCheck 500 shielded	Magnetic loop	1 x SMA (50Ω)
2	Bibliotheca	RFID selfCheck	Magnetic loop	1 x SMA (50Ω)
3	Bibliotheca	RFID workstation shielded	Magnetic loop	1 x SMA (50Ω)
4	Bibliotheca	RFID selfCheck 1000	Magnetic loop	1 x SMA (50Ω)
5	Bibliotheca	hybrid selfCheck	Magnetic loop	1 x SMA (50Ω)
6	Bibliotheca	RFID workstation/P12	Magnetic loop	1 x SMA (50Ω)
7	Bibliotheca	hybrid workstation/M946	Magnetic loop	1 x SMA (50Ω)

Technical Data

Housing Weight Protection class Supply voltage Power consumption Interface Temperature range <ul style="list-style-type: none"> • Operation • Storage Relative air humidity Antenna Operating frequency RF – transmitting power	ABS plastic 200 g / 0.44 lbs IP 30 12 – 24 V DC Max 6 W USB (2.0) -25°C to +55°C / -13°F to +131°F -25°C to +85°C / -13°F to +185°F 5-95 % (non-condensing) External (50 Ω ± 15 Ω < 15°) 13,56 MHz 1,2 W ± 1 dB
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Product Label

ID ISC.MR102-USB-Bib
 Input 12-24V  max. 0.5A
FCC ID: RUVBIB2 IC: 22443-MR102
 This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received including interference that may cause undesired operation. This unit has to be supplied by a Listed NEC Class 2/LPS Supply only. For use with connections to Listed ITE equipment and accessories only.





 Serial No.: 1234567 Made in Germany  

! Important Note !

If you do not follow these instructions the device hardware can be damaged irreparable;

- * Use this device only with a connected and tuned 50 Ω ± 15 Ω antenna! *
- * Note that any metal parts around the antenna can detune the antenna! *



When properly used this radio equipment conforms to the essential requirements of Article 3 and the other relevant provisions of the R&TTE Directive 1999/5/EC of March 99.

Equipment Classification according to ETSI EN 300 330 and ETSI EN 301 489: Class 2

Notice for USA and Canada

FCC ID: RUVBIB2

IC: 22443-MR102

This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada.

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Unauthorized modifications may void the authority granted under Federal communications Commission Rules permitting the operation of this device.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. Le présent appareil est conforme aux CNR d'Industrie 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, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

"Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication." "This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device."

"Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante." "Le présent appareil est conforme aux CNR d'Industrie 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, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement."

Warning: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Installation with FCC / IC Approval:

FCC-/IC-NOTICE: To comply with FCC Part 15 Rules in the United States / with IC Radio Standards in Canada, the system must be professionally installed to ensure compliance with the Part 15 certification / IC certification. It is the responsibility of the operator and professional installer to ensure that only certified systems are deployed in the United States / Canada. The use of the system in any other combination (such as collocated antennas transmitting the same information) is expressly forbidden. This device has been designed to operate with the antennas listed below. Antennas not included in this list are strictly prohibited for use with this device. An SMA socket is provided on the circuit board for connecting the external antenna.

Power supply reference

The reader has to be supplied by a limited power supply (e.g. NEC Class 2/LPS power supply) according to IEC EN 60950, only.

Safety Instructions

- The device may only be used for the intended purpose designed by the manufacturer.
- The operation manual should be conveniently kept available at all times for each user.
- Unauthorized changes and the use of spare parts and additional devices which have not been sold or recommended by the manufacturer may cause fire, electric shocks or injuries. Such unauthorized measures shall exclude any liability by the manufacturer.
- The liability-prescriptions of the manufacturer in the issue valid at the time of purchase are valid for the device. The manufacturer shall not be held legally responsible for inaccuracies, errors, or omissions in the manual or automatically set parameters for a device or for an incorrect application of a device.
- Repairs may only be executed by the manufacturer.
- Installation, operation, and maintenance procedures should only be carried out by qualified personnel.
- Use of the device and its installation must be in accordance with national legal requirements and local electrical codes.
- When working on devices the valid safety regulations must be observed.
- Special advice for carriers of cardiac pacemakers: Although this device doesn't exceed the valid limits for electromagnetic fields you should keep a minimum distance of 25 cm between the device and your cardiac pacemaker and not stay in an immediate proximity of the device respective the antenna for some time.

Installation & Labelling instructions (End Device)

The end device (example self-service kiosk) containing this RFID equipment MUST be labeled with the modular approval FCC & IC details/listing as below;

Contains FCC ID: RUVBIB2
Contains IC: 22443-MR102