Z-2 USB
Desktop RFID reader/writer with USB connection
User Manual

1. OVERVIEW

Reader Z-2 USB is designed for reading and transferring serial numbers of contactless tokens (cards, key fobs, etc.) to a computer via a USB interface.

2. FACTS

- Defines the tokens standard EM-Marine, HID ProxCard II, Mifare automatically, without additional settings;
- Connects to computer systems via USB;
- Allows the users to perform firmware updates on their own;
- Software Development Kit (SDK-Z2USB) is available, allowing to quickly start working with the adapter.

3. MOUNTING AND CONNECTION

- Please set the adapter onto your desk in a convenient location to present the cards;
- Connect the adapter to your PC via USB cable;
- Install the device drivers from a supplied CD onto your PC.

4. OPERATION

After the driver installation is complete, the PC detects the device as a new virtual COM port, which then can be used to exchange data between adapter and that PC.

If adapter is powered up and operational, its LED shines red.

When a token is placed into adapter working zone, the LED shortly changes colour to green and the buzzer sounds.

When a token is held within adapter working zone, a green LED is lit and data exchange session between the adapter and the token ensues. The session includes reading the serial number from, or reading/writing data from protected memory sectors of, a Mifare Ultralight or Atmel T5557 token.

To verify proper adapter operation, please use HyperTerminal or similar software supporting serial port connectivity.

- Set up a serial connection with the following parameters: Baud rate 9600, Data bits 8, Parity NONE, Stop Bits 1, Flow control NONE.
- To display the adapter information, press "I" button on your keyboard.
- Each adapter has its own serial number. The user requires it to update adapter firmware.
- When the adapter is touched by a token, its type and Wiegand-26 formatted serial number are displayed.

5. SPECIFICATIONS

Operational Frequency: ....125 kHz; 13.56 MHz;
Supported token types: ....EM-Marine, HID ProxCard II, Mifare;
Ability to store information into token memory: ....
....only for tokens Mifare Ultralight or Atmel T5557;
Working distance: ....up to 4 cm;
PC connection interface: ....USB;
Distance between the adapter and the PC: ....up to 1.8 m;
Token read feedback: ....bicoloured LED and buzzer;
Casing material: ....ABS plastic with coating;
Dimensions, mm: ....110 x 80 x 25

6. OPERATING CONDITIONS

Ambient temperature: 5…50°C.
Humidity: Up to 80% at 25°C.

This device should be operated in absence of: atmospheric precipitation, direct sunlight, sand, dust and water condensation.
Device specifications may differ from described in this manual when operating under non-recommended conditions.

7. PACKAGE CONTENTS

- Adapter Z-2 USB 1
- Drivers disk Windows 1
- Cable USB A/B 1
- User Manual 1

8. LIMITED WARRANTY

Device is covered by limited warranty for 24 months.
The warranty becomes void if:
- this Manual is not followed;
- device has physical damage;
- device has visible traces of aggressive chemicals exposure;
- device circuits have visible traces of tamper by unauthorised parties.
While covered, the Manufacturer will repair the device or replace any broken parts, free of charge, where fault is caused by manufacturer's defect.

9. CONTACTS

Authorized representative in the European Union:
ICONTROL SIA
1B Balta Street, LV - 1055, Riga, Latvia
E-mail: info@icontrol.lv
Phone: +371 24422922
www.icontrol.lv

The symbol of crossed-throught waste bin on wheels means that the product must be disposed of at f separate collection point. This also applies to the product and all accessories marked with this symbol. Products labeled as such must not be disposed of with normal household waste, but should be taken to a collection point for recycling electrical and electronic equipment. Recycling helps to reduce the consumption of raw materials, thus protecting the environment.

CE