



READER D-3-USB - TABLE READER

The Reader D-3-USB table reader is intended for use with Access control and Time & Attendance software Jantar V7, STOP or Codeks for simplified insertions and contactless card issuing. The Reader D-3-USB connects to the computer with a USB cable and creates a virtual COM port through which it sends data. Because of this, it can be used with different software applications from other producers.

TECHNICAL DATA

READER D-3-USB	
Reading frequency	13.56MHz
Reading distance	Up to 5cm
Current consumption	130mA
Operating voltage	5V DC from USB port
Operating temperature	From 5°C to 40°C
Protection	IP21
Cable	USB A – B mini
Dimensions (mm)	64x10 (WxD)

DRIVER INSTALLATION

Insert CD into PC. Connect the Reader D-3-USB to the computer. Open "Control Panel\ System\ Device manager". Check under "Other devices" for "Codeks Table Reader" and right click on it. Select "Update software driver..." and search for "Codeks Table Reader Driver" folder on the CD. Driver will be installed.

USB COM PORT SETTINGS

When you connect the Reader D-3-USB to the computer, it creates a virtual COM port. If the reader is used with JantarV7 or STOP software, COM port number must be smaller than 10.

Changing COM port:

- go to **CONTROL PANEL**
- click **SYSTEM**
- click **HARDWARE (Win XP)**
- click **DEVICE MANAGER**
- click **PORTS (COM&LPT)**
- right click on **USB SERIAL PORT** and click **PROPERTIES**
- click **PORT SETTINGS**
- change **BITS PER SECOND** to 19200 or 9600, which ever you wish to use
- click **ADVANCED** and select the **COM PORT** you wish to use

Your USB device is now configured and ready to use.

OUTPUT DATA

Software developers can develop their own application, which can be used with the Reader D-3-USB. By doing so, this data will be helpful.

The reader sends data to COM port in the following format:

dc ad c3 c2 c1 c0 c4 r0 crc cr

dc – is command byte, value is 0x40

ad – is address byte, value is 0x00

c3 to c0 – 4 byte card number

c4 – card header

r0 – value always 0x00

crc – XOR value of all bytes form **dc** to **cr**

cr – carriage return (0x0d)

Data output format is ASCII (read data is converted to ASCII before transmission to virtual com port, except **cr**).

ORDERING CODES

READER [box]-[card]-[type]

Box: **D** – round, disk-like shape

Card: **3** – 13.56MHz

Type: **USB** – USB reader

Code	Specification
READER D-3-USB	13.56MHz USB proximity card reader

OTHER

Please read through our guaranty and disclaimer statements.

Additional support for the use of this product can be found on:

<http://www.jantar.si/forum/en>

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