

DR-6255

CSN SELECT™ Desktop Enrollment Reader (Rev. B)

User Manual

1. Introduction

The DR-6255 is a desktop smart card CSN enrollment reader with a USB interface for use when enrolling user credentials to access control software such as Rosslare's AxTraxNG.

The reader is part of the CSN SELECT™ family of multi-credential technology contactless smart card (13.56 MHz) readers. This reader has the flexibility to read the Card Serial Number (CSN) from many smart card RFID standards implementations including ISO14443A/B, ISO15693, and ISO18092.

CSN SELECT readers are able to read the CSN from many smart card RFID Standards implementations. The following list shows the credential technologies for which we have confirmed compatibility:

- ISO14443A – MIFARE® Ultralight® Nano / EV1 / C, MIFARE Classic® / Classic EV1, MIFARE Plus® S / SE / X / EV1, MIFARE DESFire® EV1 / EV2, N-TAG NFC / Card Emulation
 - ISO14443B – China National ID
 - ISO15693 – HID® iClass®, PicoPass, iCode, LEGIC
 - ISO18092 – SONY® FeliCa® (Hong Kong Octopus)
 - Rosslare's CS-ECA NFC app (HCE) for Android smartphones
- Scan the QR code to download Rosslare's NFC app



Note This list is continuously updated. For the latest compatibility list, contact your sales representative.

The standard reader outputs the Wiegand CSN data in Wiegand 26-Bit format. Other Wiegand formats are selectable using the *CS-HCT Hardware Configuration Tool for the DR-6255* application.

The DR-6255 can also be used together with the *CS-CCT Configuration Card Tool for DR-6255* application to create configuration cards that modify the behavior of CSN SELECT Rev. B readers.

A configuration card can change a reader's LED and buzzer behavior when it is in Standby mode and when reading a card, as well as change the function of the reader's inputs. For more details, refer to the *CS-CCT Configuration Card Tool for DR-6255 Software Manual*.

Figure 1: DR-6255



2. Technical Specifications

2.1 Electrical Characteristics

Operating Voltage Range	5 VDC (USB powered)
Current @ 5 V	Standby: 90 mA Max: 130 mA
Read Range*	5 cm (2 in.)
USB Cable Length	150 cm (59 in.)

* Measured using a Rosslare MIFARE Classic EV1 (ISO card). Read range with other credential technologies may vary. Range also depends on electrical environment and proximity to metal.

2.2 Environmental Characteristics

Operating Environment	Indoor use
Operating Temperature Range	0°C to 63°C (32°F to 145°F)
Relative Humidity Range	0 to 95% (non-condensing)

2.3 Physical Characteristics

Weight	130 g (4.6 oz)
Dimensions (L x W x H)	123.0 x 70.0 x 16.2 mm (4.9 x 2.8 x 0.7 in.)

3. Installing the USB Driver

The driver supports the following operating systems:

- Windows 10 (32-Bit and 64-Bit)
- Windows 8 (32-Bit and 64-Bit)
- Windows 7 (32-Bit and 64-Bit)
- Windows XP (32-Bit and 64-Bit)

Connect the reader to a USB port of the computer. The reader beeps 3 times. The computer searches for the driver and should automatically install it.

Note The installation may take a few minutes.

If the computer does not find the driver automatically, you must download the "MCP2200 Driver" zip file from our website and manually install the driver.

To download the "MCP2200 Driver" file:

- Go to <http://www.rosslaresecurity.com>.
- Click *Download Center* in the Quick Links section.
- In *Document Types*, select *Driver* and click **Search**.
The driver for the reader appears.
- Click the Download icon on the right.
The MCP2200 Driver zip file is downloaded to your computer.

Once you have downloaded the zip file, unzip it and follow the instructions described in the ReadMe file to install the driver.

4. DR-6255 Hardware Instructions

When the computer has successfully installed the driver, the DR-6255 appears as a COM port device when plugged in to a PC.

When a card is presented to the reader, the reader outputs the Wiegand ID data on the COM port only once until a new card is presented. For the enrollment reader to function in AxTraxNG, you must know the COM port being used. The COM port can be found in Microsoft Device Management's driver details under 'Ports (COM & LPT)'. The port being used appears as "USB serial Port (COMx)", where x is the number of the port used.

To enroll cards using AxTraxNG software, please refer to the *AxTraxNG™ Software Installation and User Manual*.

Declaration of Conformity

DR_6255: FCC ID = GCD-DR6255

- This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
 - This device may not cause harmful interference.
 - This device must accept any interference received, including interference that may cause undesired operation.
- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 reasonable 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 determined 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.

Limited Warranty

The full ROSSLARE Limited Warranty Statement is available in the Quick Links section on the ROSSLARE website at www.rosslaresecurity.com.

Rosslare considers any use of this product as agreement to the Warranty Terms even if you do not review them.

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• EN ISO 13485

