

DR-12C

ROSSLARE
SECURITY PRODUCTS

EM Card Desktop Reader

User Manual

1. Introduction

The DR-12C is an advanced EM Card Desktop Reader. It reads the EM card identification number and transmits it to connected access control software, such as Rosslare's AxTraxNG™.

It has a slim and attractive design and is built for convenience and portability. With its USB computer interface, it is quick and easy to install and runs without any additional power source. Designed to sit safely on any desktop, the DR-12C is sturdily built, with surface-gripping rubber feet.

Figure 1: DR-12C



2. Technical Specifications

2.1 Electrical Characteristics

Operating Voltage Range	5 VDC (USB powered)
Standby Current	70 mA
Max. Operation Current	90 mA
Supported Transponders	EM Cards
Read Card Distance	Up to 5 cm (2 in.)
RF Modulation	ASK
Operation Frequency	125 kHz
Output Format	Wiegand 26-Bit

2.2 Environmental Characteristics

Operating Environment	Indoor use
Operating Temperature Range	0°C to 63°C (32°F to 145°F)
Storage Temperature Range	-20°C to 63°C (-4°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 x 70 x 16.2 mm (4.9 x 2.8 x 0.6 in.)

3. Installing the USB Driver

Before you can use the reader, you must download the proper driver.

The driver supports the following operating systems:

- Windows 7 32- and 64-Bit
- Windows Vista and Vista 64-Bit
- Windows XP and XP 64-Bit
- Server 2003, XP, and Server 2008

To install the USB driver:

- 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 file is downloaded to your computer.
- Go to the downloaded file (CDM20824_Setup) and double-click it.
After a few moments, a completion message appears and the window closes.

4. Enrolling Cards using AxTraxNG

You must use the AxTraxNG software to enroll cards.

Please refer to Appendix J in the *AxTraxNG™ Software Installation and User Manual*.

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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