

DR-12C

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.

1.1 Features

- Reads EM Card ID
- Bi-Colored LED
- Supports USB 2.0 Standard (compatible with USB 1.1), meets the EIA Standard
- 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, Windows XP Embedded, Windows CE 4.2, 5.0 and 6.0, Mac OS-X

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
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

To download the driver, please refer to <http://www.rosslaresecurity.com>

To install the driver for all cables:

1. Go to <http://www.rosslaresecurity.com>.
2. Click *Downloads* in the Quick Links section.
3. In *Document Types*, select Driver and click **Search**.
4. Click the Download icon.
5. Double-click the installation file: CDM20824_Setup.
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*.

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.

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS OR CHANGE TO THIS EQUIPMENT. SUCH MODIFICATIONS OR CHANGE 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.

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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