

DynaProx

EMV Contactless/NFC Card Reader Installation and Operation Manual



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Table 1-1 - Revisions

Rev Number	Date	Notes
Introductory	Oct 28, 2021	Initial release

LIMITED WARRANTY

MagTek warrants that the products sold pursuant to this Agreement will perform in accordance with MagTek's published specifications. This warranty shall be provided only for a period of one year from the date of the shipment of the product from MagTek (the "Warranty Period"). This warranty shall apply only to the "Buyer" (the original purchaser, unless that entity resells the product as authorized by MagTek, in which event this warranty shall apply only to the first repurchaser).

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MAGTEK'S SOLE LIABILITY AND BUYER'S EXCLUSIVE REMEDIES ARE STATED IN THIS SECTION AND IN THE SECTION RELATING TO MAGTEK'S LIMITED WARRANTY.

FCC INFORMATION

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.

Note: 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.

Caution: Changes or modifications not expressly approved by MagTek could void the user's authority to operate this equipment.

CANADIAN DECLARATION OF CONFORMITY

This digital apparatus does not exceed the Class B limits for radio noise from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe B prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

INNOVATION, SCIENCE AND ECONOMIC DEVELOPEMENT CANADA (ISED)

This device complies with ISED Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) L'appareil ne doit pas produire de brouillage, et (2) L'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

CE STANDARDS

Testing for compliance with CE requirements was performed by an independent laboratory. The unit under test was found compliant with standards established for Class B devices.

EU STATEMENT

Hereby, MagTek Inc. declares that the radio equipment types **Wideband Transmission System** (802.11 wireless and Bluetooth Low Energy), and **Non-Specific Short Range Device** (contactless) are in compliance with **Directive 2014/53/EU**. The full text of the EU declarations of conformity is available at the following internet addresses:

- <Reserved> For DynaProx with no barcode reader, USB connection
- <Reserved> for DynaProx with barcode reader, USB connection

UKCA STANDARDS

Testing for compliance with UKCA requirements was performed by an independent laboratory. The unit under test was found compliant with standards established for Class B devices.

UKCA STATEMENT

Hereby, MagTek Inc. declares that the radio equipment types **Wideband Transmission System** (802.11 wireless and Bluetooth Low Energy), and **Non-Specific Short Range Device** (contactless) are in compliance with **Radio Equipment Regulations 2017**. The full text of the UKCA declarations of conformity is available at the following internet addresses:

- <Reserved> For DynaProx with no barcode reader, USB connection
- <Reserved> for DynaProx with barcode reader, USB connection

AUSTRALIA / NEW ZEALAND STATEMENT

Testing for compliance with AS/NZS standards was performed by a registered and accredited laboratory. The unit under test was found compliant with standards established under AS/NZS CISPR 32 (2013), AS/NZS 4268 Table 1, Row 59 DTS 2400-2483MHz SRD (802.11), and AS/NZS 4268 (2017) Table 1, Row 43 13.553-13.567MHz (contactless reader).

UL/CSA

This product is recognized per **UL 60950-1, 2nd Edition, 2011-12-19** (Information Technology Equipment - Safety - Part 1: General Requirements), **CSA C22.2 No. 60950-1-07, 2nd Edition, 2011-12** (Information Technology Equipment - Safety - Part 1: General Requirements).

ROHS STATEMENT

When ordered as RoHS compliant, this product meets the Electrical and Electronic Equipment (EEE) Reduction of Hazardous Substances (RoHS) European Directive 2002/95/EC. The marking is clearly recognizable, either as written words like “Pb-free,” “lead-free,” or as another clear symbol (.

PCI STATEMENT

PCI Security Standards Council, LLC (“PCI SSC”) has approved this PTS POI device (SCR class) to be compliant with the PCI PTS POI Security Requirements v5.1.

When granted, PCI SSC approval is provided by PCI SSC to ensure certain security and operational characteristics important to the achievement of PCI SSC’s goals, but PCI SSC approval does not under any circumstances include any endorsement or warranty regarding the functionality, quality or performance of any particular product or service. PCI SSC does not warrant any products or services provided by third parties. PCI SSC approval does not under any circumstances include or imply any product warranties from PCI SSC, including, without limitation, any implied warranties of merchantability, fitness for purpose, or non-infringement, all of which are expressly disclaimed by PCI SSC. All rights and remedies regarding products and services which have received PCI SSC approval shall be provided by the party providing such products or services, and not by PCI SSC.

1 Introduction

DynaProx and DynaProx BCR are ready to launch your payment environment to the next level. All DynaProx products offer an integrated secure card reader authenticator (SCRA) contactless EMV chip cards and NFC enabled mobile wallets including Samsung Pay, Google Pay, and Apple Pay. DynaProx BCR models offer a scan engine for 1D and 2D barcodes. DynaProx products deliver smart solutions for companies that need the most flexibility in the smallest form factor at a great price.

DynaProx product features include:

- Multiple Payment Methods. Secure card reader authenticator for:
 - EMV contactless cards
 - NFC capable devices
- Security
 - MagneSafe® Security Architecture
 - Triple DEA encryption/DUKPT key management
 - AES 128 encryption/DUKPT key management
 - MagnePrint® card authentication
 - Device/host authentication
 - PCI-Secure Reading and Exchange of Data (SRED)
 - Suitable for PCI-P2PE Solutions

Table 1-1 - Available Models and Options

Part No.	Description	Display	Connection(s)
TBD	DYNAPROX	None	USB-C, RS-232
TBD	DYNAPROX, BCR	None	USB-C, RS-232
All models are black by default and have countertop, handheld, and custom mounting options.			

Table 1-2 - DynaProx Accessories

Part #	Description	Accessory Notes
TBD	CABLE, USB A - C, 6FT, DYNAPROX	Included with DynaProx products
TBD	CABLE, USB C - C, 6FT, DYNAPROX	Optional, specify in order
TBD	CHARGING CRADLE, DYNAPROX	Optional, specify in order
TBD	CLEANING CARD, DOUBLE SIDED	Optional, specify in order
TBD	FOOT, BACK, MICROSUCTION, DYNAPROX	Optional, specify 2 ea. in order for complete replacement
1000005405	FOOT, FRONT, MICROSUCTION, DYNAPROX	Optional, specify in order

1.1 Stable and Secure Performance

DynaProx reading locations are visible to the cardholder on the face of the device.

1.2 Compatible with Multiple Operating Systems

DynaProx products are very flexible. They work with a large number of host platforms, including Android and Windows. DynaProx products use a USB connection, or RS-232 for custom applications.

1.3 The Power of Flexibility

DynaProx products are countertop, mounted, or handheld / mobile devices. They can be used for traditional brick-and-mortar points of sale, mounted to a touchscreen, or brought to the table. Custom colors and silkscreened logos are available with a minimum order size.

1.4 MagneSafe Security Architecture

DynaProx products adhere to MagTek's MagneSafe Security Architecture, which is based on dynamic encryption, authentication, and tokenization, and protects cardholder data from the moment of swipe, dip, or tap. They read cards, wearables, and mobile wallets. They are also PCI-SRED compliant, making them perfect for P2PE solutions.

1.5 Magensa Services

Couple DynaProx products with Magensa Services to make your certification cycle easier and remove unencrypted data from your environment. A service representative will work with you to determine if Magensa Decrypt, Magensa Decrypt and Forward, or the Magensa Payment Protection Gateway is best for you. As always, MagTek's developer tools including our royalty free software developer kits (SDKs) with API libraries are readily available 365/24/7 on our web site. For faster development, you can use our MagneFlex browser and middleware; your code can be written once and deployed on multiple operating systems. The data is unpacked, parsed, and sent to its destination faster and easier.

1.6 About DynaProx Components

Figure 1-1 shows the major components of DynaProx with barcode reader.



Figure 1-1 - DynaProx with Barcode Reader Major Components

1.7 About Terminology

In this document, DynaProx products are referred to as the **device**. They are designed to be connected to a **host**, which is a piece of general-purpose electronic equipment which can send commands and data to, and receive data from, the device. Host types include PC and Mac computers/laptops, tablets, and smartphones. Generally, the host must have **software** installed that communicates with the device and is capable of processing transactions. During a transaction, the host and its software interact with the **operator**, such as a customer service representative, while the device interacts with the **cardholder** (even if the cardholder is using a virtual representation of the card account, such as a smartphone).