MAGTEK®
SECURITY FROM THE INSIDE

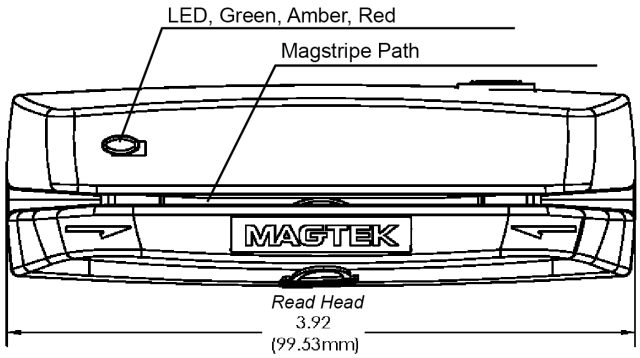
Dynamag
Secure Card Reader Authenticator

Quick Installation Guide

Setup and Installation

Dynamag Secure Card Reader Authenticator (SCRA) is MagneSafe® secured and offers a reliable and convenient swipe path with complete security features for the peace of mind you can trust. Specifically designed to meet PCI DSS requirements to secure cardholder data, Dynamag employs the industry standard, triple DES encryption. This bidirectional SCRA conveniently makes any existing merchant application more secure.

Major Components



USB HID or USB KB Connection

Dynamag can be operated in two different modes:

- HID (herein referred to as “HID mode”) and
- HID with Keyboard Emulation (herein referred to as “KB mode”)

When operating in the HID mode, Dynamag will not use keyboard emulation. It behaves like a vendor defined HID device.

When configured for the Keyboard Emulation (KB) mode, Dynamag emulates a USB HID United States keyboard or, optionally, any international keyboard using ALT ASCII code keypad key combinations or customizable key maps.

Caution: When in Keyboard Emulation mode, if another keyboard is connected to the same host as the reader and a key is pressed on the other keyboard while the reader is transmitting, then the data transmitted by the reader may get corrupted.

Windows Plug-n-Play

On hosts with the Windows operating system, the first time Dynamag is plugged into a specific USB port, Windows will pop up a dialog box, which will guide you through the process of installing a device driver for the reader.

Card Read

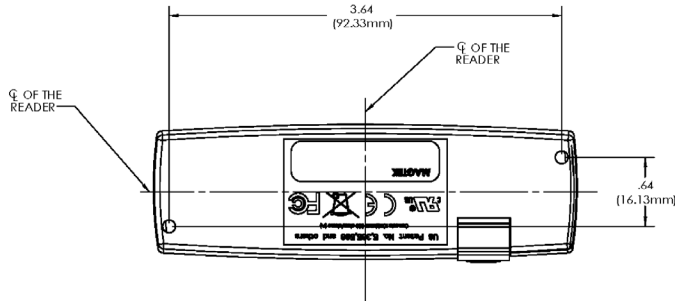
A card may be swiped through the reader slot when the LED is solid green or flashing green. The magnetic stripe must face toward the front of the reader (as indicated by the lock logo on the shiny stripe) and may be swiped in either direction. If there is data encoded on the card, the reader will attempt to read the data, encrypt it, and then send the results to the host via a USB HID input report or, if in Keyboard Emulation mode, as if the data was being typed on a keyboard. After the results are sent to the host, the reader will be ready to read the next card.

Mounting Options

Dynamag may be mounted with screws or fastening tape on a surface in various ways:

- By two screws through the surface attached to the bottom of the unit and running the cable on the top of the surface
- By two screws through the surface attached to the bottom of the unit and by drilling a hole in the surface for the cable and running the cable through the hole
- By attaching the unit to the surface with fastening tape and running the cable on the top of the surface

Ensure Dynamag is positioned on a flat, accessible surface with at least 4 inches clearance on either end for room to swipe a card. If fastening tape is to be used, clean the area that Dynamag will be mounted on with Isopropyl alcohol. Remove the adhesive protective cover on the fastening tape, then position Dynamag and push down firmly. Mount the reader.



LEDs

Dynamag has one LED on the reader body. The LED indicator will be either off, red, green, or amber. When the reader is not powered, the LED will be off. When the reader is first plugged in, the LED will be solid amber. After the reader is plugged in, the host will try to enumerate the reader. Once the reader is enumerated the LED will turn solid green.

Technical Support

When contacting the support team please have your reader charged and have the part number and serial number(s) available.
Call 562.546.6800 or email: support@magtek.com

Legal Terms and Conditions

FCC WARNING STATEMENT: This equipment has been tested and was found to comply with the limits for a Class B digital device pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference with radio communications. However, there is no guarantee that interference will not occur in a particular installation.

FCC COMPLIANCE STATEMENT: This device complies with Part 15 of the FCC Rules. Operation of this device 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.

CANADIAN DOC STATEMENT: 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 Réglement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.
This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numériqué de la classe B est conformé à la norme NMB-003 du Canada.

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.

UL/CSA: This product is recognized per Underwriter Laboratories and Canadian Underwriter Laboratories 1950.

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 (Pb).

MagTek® Inc., 1710 Apollo Court, Seal Beach CA 90740 | p 562-546-6400 | support 562-546-6800 | f 562-546-6301 | www.magtek.com