MAGTEK®
SECURITY FROM THE INSIDE

# Flash
## Secure Card Reader Authenticator

# Quick Installation Guide

## Setup and Installation

Secure transactions, anywhere, anytime. The Flash is a Secure Card Reader Authenticator (SCRA) that offers faster mobile transactions. It leverages the card swipe to capture data for maximum convenience and security. Ideal for payments where cabled or wireless connections are not accessible, the Flash makes secure card transactions available to any retail application, regardless of where it is conducted.

## Major Components


| | |
|---|---|
| **Connection:** | USB |
| **Power:** | USB port or 5 VDC for battery charging |
| **Card Speed:** | 4 to 60 ips |
| **Electrical Current:** | 100mA maximum during charge<br>500uA maximum during suspend |
| **Operating Temp:** | 0 - 45°C (32°F - 113°F) |
| **Operating Humidity:** | 10% to 90% noncondensing |

## Additional Contents

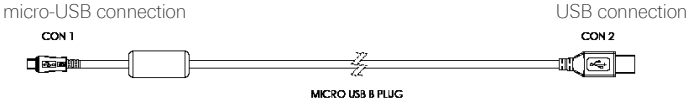


Figure 2. micro-USB cable

## Operating System

On hosts with the Windows operating system, the first time the reader 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. After this process is completed once, Windows will no longer request this process as long as the reader is plugged into the same USB port. The device driver that Windows will install for this reader is the driver used for HID devices and it is part of the Windows operating system.

## Charging

Charge the reader by connecting it to any USB port on a running system or a compatible 5VDC source. For best results, allow the battery to charge fully (until the LED goes to steady amber) before using the reader again.

## Power

The power switch, is located on the side of the reader. Pressing the power switch when the reader is off will turn the reader on. The reader will stay on for a predetermined amount of time (the default is 60 seconds) or until the completion of a card read transaction. Pressing the power switch and holding for approximately one second when the reader is on will extend the activity timer to its full period, avoiding having the reader turn off due to inactivity.

If the power is already on, pressing the power switch and holding it for three seconds will turn the reader off.

# Use and Compliance

## Card Read

A card may be swiped through the reader slot when the LED is solid green. The magnetic stripe must face toward the LED 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 store it. If no errors were found while decoding the card data, the reader will automatically turn off.

## LEDs

When card reading is initiated, the level of the battery is tested and the LED will indicate the state of the battery and of card reading operations:

- If the battery has sufficient charge to perform this card read and several more, the LED changes to green indicating the reader is ready for a card swipe and the Activity Timer is set.
- If the battery has enough charge to perform this card read but is low, the LED changes to solid red for about two seconds, followed by green indicating the reader is ready for a card swipe. Charge the battery soon.
- If the battery does not have enough charge to perform this card read, or there is no room to store the transaction (reader full), or the reader has run out of DUKPT keys, the LED blinks red quickly for three seconds and the reader reverts to power off or battery charging state (if connected to USB power). If the reader is not being powered through the USB cable, the power switch is disabled until the reader is powered through the USB cable; the reader will not operate again until it is charged.

## 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

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).