API KEYPAD
Seggar Flasher Portable Plus

PTI SECURITY SYSTEMS

ASSA ABLOY

API KEYPAD

Seggar Flasher Portable Plus
Manual

VERSION 1.0
Introduction

The Segger Flasher Portable Plus is a programming device provided by PTI Security Systems to facilitate firmware upgrades on **AP1 keypads** that are connected to **Falcon XT** controllers. These instructions will walk you through the field upgrade process to ensure your keypad is running the latest firmware version.
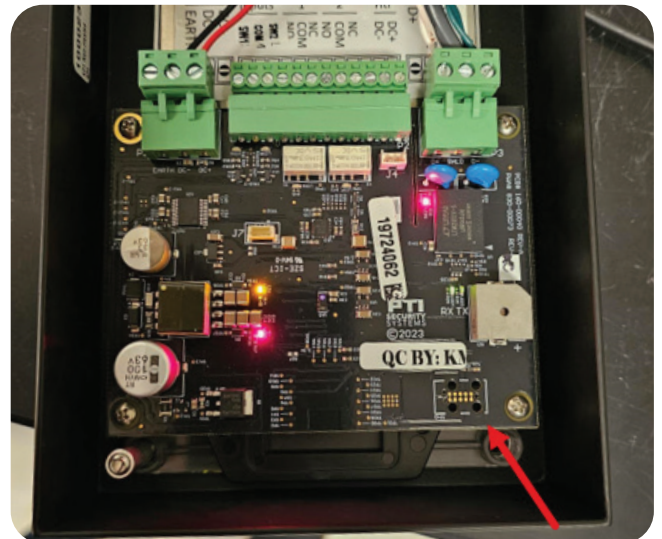
Before You Begin

- Charge the Flasher - Ensure the Segger Flasher is fully charged. A charging cable is included in the case.
- Required Tool - A T15 Torx driver is required to open the keypad enclosure.

─────Upgrade Process─────

1. Access the AP1 PCBA

- Use the T15 driver to loosen the two captive screws on the AP1 keypad faceplate.

- Gently lower the faceplate to expose the internal Printed Circuit Board Assembly (PCBA).

- Locate the 10-pin programming header (indicated by the red arrow in the image).
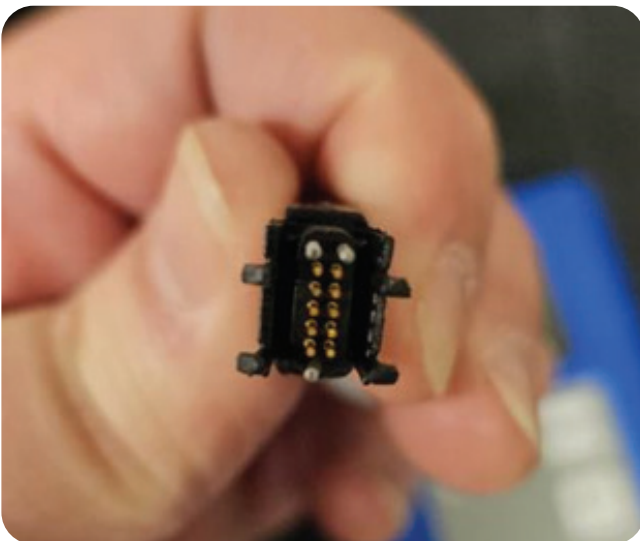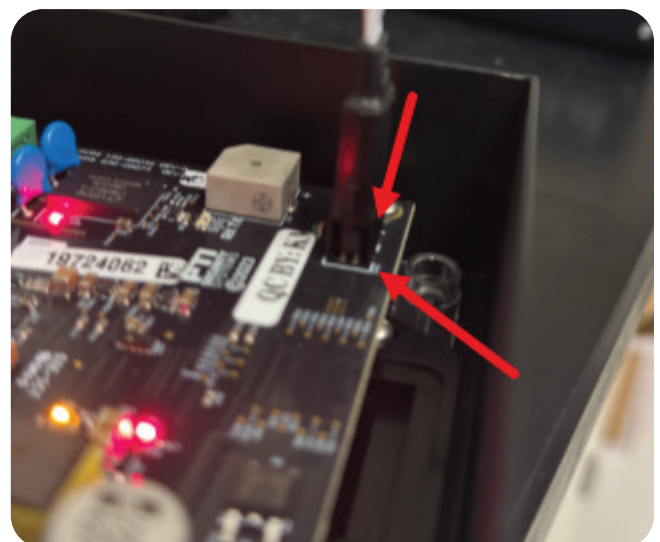
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2. Connect the Segger 10-Pin Cable

- Use the provided 10-pin keyed connector to attach to the AP1 programming header.

- The connector is keyed and will only fit in one direction. Ensure proper alignment by matching the notches and pins (see image).

- Secure the connection by pinching the plastic side clips of the connector until it snaps into place.

Note: The connector can be difficult to secure inside the housing—use care to avoid damage.

3. Power On the Flasher

- Hold the Power button on the Segger Flasher until the screen turns on and displays "Ready."

4. Initiate the Firmware Upgrade

- Press the Program ("Prog") button to begin the update process.

- The display will show the following sequence - Erasing > Verifying > OK (Complete)

5. Verify the Firmware Version

- Disconnect the 10-pin connector from the AP1.

- On the AP1 keypad, press * then # to display the current firmware version.

- Confirm that the firmware version matches the latest (e.g., 1.06.02 as shown below).

6. Reassemble and Return

- Close the faceplate and securely tighten the captive screws.

- Repack the Segger Flasher Portable Plus in its case.

RETURN THE UNIT TO:

**PTI Security Systems
Attn: Nathan Davenport
1000 Cobb Place Blvd NW, Suite 100
Kennesaw, GA 30144 USA**

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For more information about PTI Security Systems, please contact a PTI representative or visit our website.

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