Contents

Requirements and Specifications .......................................................................................................................... 3
  Schlage PG1000 Desktop Multi-Tech Programmer and Reader ................................................................. 3
  Computer Requirements ................................................................................................................................. 3
    Minimum ........................................................................................................................................................ 3
    Recommended .............................................................................................................................................. 3
  Technical Specifications ................................................................................................................................. 3

Installation Procedure .................................................................................................................................... 4
  Installing the Software: ................................................................................................................................ 4
  Installing the Hardware: ................................................................................................................................. 4

Operation ................................................................................................................................................................. 5
  Software Interface Overview ........................................................................................................................ 5
  Power on Default .......................................................................................................................................... 5
  Reader Modes .............................................................................................................................................. 5
  Programmer Mode ..................................................................................................................................... 7
  Utilities ......................................................................................................................................................... 8

Troubleshooting ................................................................................................................................................. 9

Disclaimers and Warranty ................................................................................................................................ 9

FCC Compliance .............................................................................................................................................. 9

Contact Information ....................................................................................................................................... 9
Requirements and Specifications

Schlage PG1000 Desktop Multi-Tech Programmer and Reader

This document provides the basics needed to get up and running with the Schlage Desktop Proximity Programmer and Credential Reader.

Computer Requirements

Minimum
1.0 GHz Processor, 256MB RAM, DirectX 7 level graphics card, 10MB Hard Disk Space Available, Windows XP/Vista/7, Microsoft .Net Framework 3.5 SP1 or higher, Mouse, Keyboard

Recommended
1.8 GHz Processor, 512MB RAM, DirectX 9 level graphics card, 10MB Hard Disk Space Available, Windows XP/Vista/7, Microsoft .Net Framework 3.5 SP1 or higher, Mouse, Keyboard

Technical Specifications

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>125 kHz</td>
</tr>
<tr>
<td>Standard Default Configuration</td>
<td>Proximity Card Reader</td>
</tr>
<tr>
<td>Certifications</td>
<td>FCC Certification</td>
</tr>
<tr>
<td></td>
<td>Canadian Certification</td>
</tr>
<tr>
<td></td>
<td>CE Mark</td>
</tr>
<tr>
<td>Voltage Range</td>
<td>4.75V to 5.25V</td>
</tr>
<tr>
<td>Power Supply</td>
<td>USB Bus powered</td>
</tr>
<tr>
<td>Max. Current Requirement</td>
<td>190 mA</td>
</tr>
<tr>
<td>Average Current Requirement</td>
<td>125 mA</td>
</tr>
<tr>
<td>Cable Specification</td>
<td>10’ USB 2.0 Cable (Type A to Type Mini B)</td>
</tr>
<tr>
<td>System Interfaces</td>
<td>USB Mini-B</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>32 to 100 F (0 to 38 C)</td>
</tr>
<tr>
<td>Physical Dimensions (HWD)</td>
<td>4” x 4” x 3/4” (10.16cm x 10.16cm x 1.91 cm)</td>
</tr>
<tr>
<td>Weight</td>
<td>4.2 oz. (120 grams)</td>
</tr>
<tr>
<td>Material</td>
<td>PBT Polymer</td>
</tr>
<tr>
<td>Color</td>
<td>Black</td>
</tr>
<tr>
<td>Maximum Read Range</td>
<td>up to 6” (15.24cm)</td>
</tr>
</tbody>
</table>
Installation Procedure

The order of installation does not matter, though installing the Software first is recommended.

Installing the Software:
1. Place the installation CD in the CD-ROM drive.
2. The disk should auto-play.
   a. Navigate to the CD-ROM drive through Windows Explorer.
   b. Double-click Setup.exe.
3. Follow the on-screen instructions to complete the software installation.

   ➜ You may be required to download the .Net Framework 3.5 SP1 or higher from Microsoft to start installation

Installing the Hardware:
1. Plug the mini-B side of the USB cable into the Desktop Reader/Programmer.

2. Plug the A side of the USB cable into the USB port on the host computer.
3. The hardware will complete a self-installation.
Operation

Software Interface Overview
The Access Card Reader Software interface is available to configure the USB Desktop Multi-Tech Device. The software has three main functional tabs Reader, Programmer, and Utilities. Each of these functional tabs have sub tabs associated with them.

Power on Default
After the Multi-Tech Desktop Reader/Programmer has been plugged into the host computer, it will function as a desktop reader in “Discover Mode”. In this mode the device behaves much like a keyboard. If a user presents a credential before setting up any configuration in the software reader options, the device will write out the information of the card into the active window or text data field. For example, if your active cursor is in a Word file, the device will write that information to the Word file.

While in Default mode, the LEDs will be solid red. When a credential is presented and successfully read, the LEDs will change from red to green then back to red and the device will beep. If the credential was not successfully read, the LEDs will not change color and the device will not beep.

If a credential is presented that is initialized by Schlage but not programmed, the LEDs will change from red to green then back to red and the device will beep. The output will state “Card State: Initialized” instead of writing out the binary string.

Reader Modes
To get the device out of default mode and into a specific reader mode, the user must select the Reader main tab, then select one of the sub-tabs. From that sub-tab, the user selects the desired output options and clicks the “Configure Device” button. Sub-tabs available:
- Proximity
- Smart UID Only
- Smart MIFARE Classic
- SMART EV1 PACSA
- PIV

While there is some variation in options for the sub-taabs, the basic user selectable options are:
- Card Format
- Data Return Type
- Data Format
- Prefix
- Suffix
Once configured, the device will return the values read from the presented credential. The default behavior is to output this data to the Output textbox in the software Reader interface. If the user chooses to have the information output to another area, like a Word file, the user must simply click in an area that accepts text (e.g. a text or worksheet file) then present the card to the reader.
Programmer Mode

To get the device into Programmer Mode, the user must click the programmer tab at the top of the application window. Then the user needs to select the appropriate sub-tab for programming. This will change the window to allow the user to program a card or multiple cards.

The user must then specify all of the following options then click the program button.

- Key Set (Smart Only)
- Card Format
- Facility Code
- City Code (only in select formats)
- Badge ID
- Number to Program (1 is default)
- Authorization Code

While in programmer mode, the LED will be blue, moving outward. To program the card, simply present the card to the device after clicking the Program button. A successful card program will be indicated by the LED flashing green once and two beeps. If more cards are to be programmed, the LED will revert back to the blue moving outward and the badge ID will increment one.

The authorization code is only used for certain formats. Contact your sales representative if you require an authorization code.

- When programming multiple cards the LEDs go blue, moving outward (waiting) -> Green (Successful program) -> Blue, moving outward (waiting on credential)
- The device will only program Schlage credentials

![Image of Access Card Reader](image)
Utilities
The Utilities tab contains one sub-tab by default, the About Tab. A few options exist to generate various pieces of information related to the Multi-Tech device like Firmware revision and Reader settings.
Troubleshooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>Solution</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Device is not recognized by my computer</td>
<td>Unplug device from PC and plug it back in. Wait for Windows to try and enumerate the device.</td>
<td>Unplug device from USB port and plug into a different USB port. Wait for Windows to try and enumerate the device.</td>
</tr>
<tr>
<td>Device not programming cards</td>
<td>Verify that the device is in programmer mode the LED indicator should be blue moving outward.</td>
<td>Verify cards are Schlage initialized Proximity credentials. (Device will not program other vendors credentials)</td>
</tr>
<tr>
<td>Device has hung and is non-responsive</td>
<td>Reset the device by unplugging the USB cable and plugging it back in, the SW Interface may need to be closed and restarted as well.</td>
<td></td>
</tr>
<tr>
<td>The pause button has been hit but the device appears to be in stuck in programmer mode</td>
<td>Device has received a program command already; it will program 1 more card after hitting pause before it actually pauses.</td>
<td></td>
</tr>
<tr>
<td>The device is configured to read proximity cards, but nothing happens when a card is presented to the device</td>
<td>Verify it is a proximity card that you are trying to read.</td>
<td></td>
</tr>
</tbody>
</table>

Disclaimers and Warranty

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.

Warranty: Limited lifetime against defective workmanship and materials

FCC Compliance

The FCC requires the following statement: This device uses radio frequency energy and has been tested and complies with the limits of FCC testing. Changes, modifications, or disregard of proper instillation and instructions not expressly approved by Schlage, and is strictly prohibited by the FCC and could void the user’s authority to operate this equipment.

Contact Information

Schlage Lock Company
500 Golden Ridge Road
Building 1, Suite 160
Golden, CO 80401
Phone: (877)-671-7011
Fax: (866)-954-1779
http://www.schlage.com/