

INSTALLATION INSTRUCTIONS

WIRELESS PORTABLE READER Version 2 (WPR2)

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INSTALLATION INSTRUCTIONS

Wireless Portable Reader, Version 2 (WPR2)

NOTE: These instructions are for installing a Wireless Portable Reader, Version 2 (WPR2), a component of a Schlage Wireless AccessTM System. After completing this installation refer to the "Configuring and Operating the Schlage Wireless AccessTM System" manual.

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1. Schlage Wireless Access[™] System Components

1.1 Overview

Every access control system that uses Schlage Wireless AccessTM contains two different types of modules (Figure 1-1):

- at least one Wireless Panel Interface Module (WPIM), and
- at least one Wireless Access Point Module (WAPM)

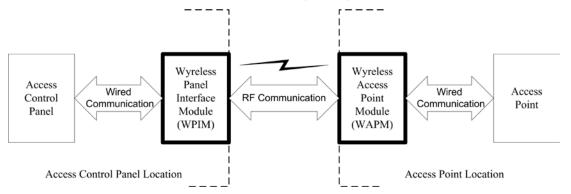


Figure 1-1 – Schlage Wireless Access TM System Block Diagram

The Schlage product line contains several different expressions of each module.

The WPIM is wired to the access control panel and ideally is installed very close to the access control panel. The WPIMs installation location is determined by the location of the WAPMs with which it will communicate using RF.

The WAPM is installed at the access point where access will be controlled and/or monitored. Depending on the application and which WAPM is used, some wiring at the access control point may be required.

Regardless of which WPIM or WAPM module is used, the communication link between the WPIM and WAPM is always RF.

This manual describes the installation of a Wireless Portable Reader, Version 2 (WPR2) which is a WAPM.



1.2 Wireless Portable Reader, Version 2 (WPR2) Components



Figure 1-2-WPR2 with Proximity Reader



Figure 1-3 -WPR2 with Magnetic Reader



Figure 1-4 WPR2 Battery Pack

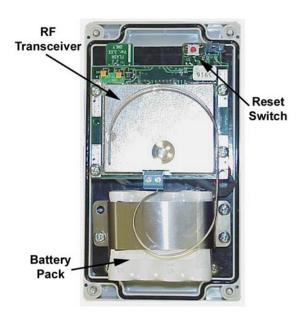


Figure 1-5 – Inside the WPR2

The WPR2 includes 3 components:

- WPR2 card reader, proximity (Figure 1-2) or magnetic (Figure 1-3),
- WPR2 battery pack (Figure 1-4),
- WPR2 RF transceiver (Figure 1-5).

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2. Installing the Wireless Portable Reader, Version 2 (WPR2)

Since the WPR2 is portable, no installation is required. The WPR2 is normally shipped with a battery installed and therefore it is ready for configuration right out of the box and the rest of this section can be skipped. If a battery is not installed or needs replacing, please follow the instructions in the following sections:

2.1 Tools Required

- Phillips head screwdriver
- drill & drill bits (if mounting the WPR2)
- Pencil

2.2 Determining the Best WPIM and WPR2 Locations

Proper selection of the WPIM mounting location relative to the use area of the WPR2 insures reliable RF communications.

Since the WPR2 is portable, determining best location for the WPIM is very important in achieving optimum performance.

The WPIM manual contains a section for determining the best location for the WPIM.

The maximum distance between WPIM and a WPR2 is 200' horizontally when on the same floor inside a building that uses normal building construction materials. Never operate the WPR2 more than one (1) floor from the WPIM antenna. If this is the case then reduce the horizontal distance to 100' maximum. The maximum distance is 1000' for a line of sight installation.

2.3 Permanent Mounting of the WPR2

In some applications the WPR2 will need to be mounted to a wall, post, or something permanent (note: the WPR2 can be ordered without the handle).

The WPR2 can be mounted using either screws or Velcro.

Regardless of the mounting method, make certain that the WPR2 is always mounted at least 1" from any metallic surface. This may require the use of non-metallic spacers (not included).

If using screws:

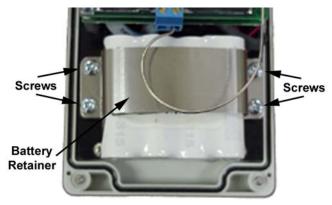
- 2.3.1 Remove the WPR2 Cover.
- 2.3.2 Place the WPR2 Base (cover removed) against the wall in the position it was successfully "link" tested.
- 2.3.3 Using WPR2 Base as a template, mark the four corner mounting holes with a pencil.
- 2.3.4 Drill a hole at each mounting mark, using a drill appropriate for the screws or anchors to be used (not provided).
- 2.3.5 If the WPR2 is to be mounted on a non-metallic surface, use four #6, 1½" screws (not provided) to attach the WPR2 to the surface.

If the WPR2 is to be mounted on a metallic surface, use 1" high non-metallic spacers (not provided) and four #6, 3" screws (not provided) to attach the WPR2 1" from any metallic surface.



2.4 WPR2 Battery Installation/Replacement

- 2.4.1 Use the Phillips screwdriver to remove WPR2 cover. There are 4 cover screws, one in each corner (Figure 1-2 or Figure 1-3).
- 2.4.2 If a Battery Pack is being replaced, locate the used Battery Pack (Figure 1-5). Remove the four Battery Retainer Screws (Figure 2-1). Disconnect the used Battery Pack (Figure 2-2).



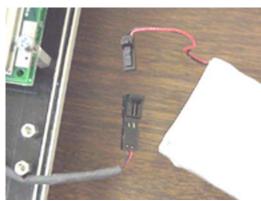


Figure 2-1 – Battery Retainer

Figure 2-2 – Disconnecting Battery Pack

2.4.3 Connect the new Battery Pack connector to the mating connector coming from the transceiver board (Figure 2-3).



Figure 2-3 - Installing New Battery Pack

- 2.4.4 Carefully pack the battery wires, position the Battery Pack in its original location, and re-install the Battery Retainer (Figure 2-1).
- 2.4.5 To continue to use the WPR2 on the same RF channel and with the same WPIM, re-install the cover, making certain that no wires are pinched. The cover should go on easy with no interferences. Replace the 4 cover screws, one in each corner (Figure 1-2 or Figure 1-3).

If the WPR2 needs to be re-linked or the RF channel needs to be changed, before re-installing the WPR2 cover, follow the instructions in the Configuring & Operating a Schlage Wireless Access System manual.



This completes the battery installation/replacement for the WPR2. Do not turn on the WPR2 yet, this will be done after the Wireless Panel Interface Module (WPIM) is installed and during system configuration.

If the Wireless Panel Interface Module (WPIM) is not installed, now is the time to install it, please refer to the WPIM Installation Manual.

If the Wireless Panel Interface Module (WPIM) is installed, then you are ready to configure your Schlage Wireless \mathbf{Access}^{TM} System, please refer to the Configuring & Operating a Schlage Wireless \mathbf{Access}^{TM} System manual.



3. Contacting Schlage Wireless Access[™]

For questions regarding Schlage Wyreless AccessTM:

www.wyrelessaccess.com

(800) 313-2962 (630) 293-4257 fax



4. FCC Compliance & Warnings

4.1 FCC Compliance

- This device has been authorized by the FCC Rules and Industry Canada.
- This device complies with the limits for a Class B digital device and a Class B intentional radiator, pursuant to Part 15 of the FCC Rules and with RSS-210 of Industry Canada. 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.
- The Schlage Wireless AccessTM System Component must be installed by qualified professionals or contractors in accordance with FCC part 15.203, Antenna Requirements.
- Do not use any antenna other than the one provided with the unit.

4.2 Warnings

- RF Exposure To comply with FCC RF exposure requirements for mobile transmitting devices this
 transmitter should only be used or installed at locations where there is normally at least a 20 cm
 separation between the antenna and all persons.
- Do not co-locate and operate in conjunction with any other antenna or transmitter.
- Use only the Battery Pack specified in this instruction manual.
- Do not subject Battery Pack to fire or high temperatures.
- Do not attempt to recharge, short out or disassemble Battery Pack.
- Follow local regulations for alkaline battery disposal.
- Immediately remove the batteries and discontinue use if:
 - the product is impacted after which the interior is exposed, or
 - the product emits a strange smell, heat, or smoke.
- Changes or modifications not expressly approved by IR Security Technologies could void the user's authority to operate the equipment.



5. Revision History

Version	Date	Changes
001	10/01/04	released for publication
В	5/19/05	Changed various nomenclature and contact info throughout manual.
С	1/31/07	Rebranded to Schlage Wireless Access