Wi-Fi 3rd Party Use: F-Series & G-Series

This document stands to act as a procedural guide for when using a 3rd party Wi-Fi adapter with the HandReaders, both F-Series & G-Series\(^1\). Schlage has performed testing to confirm that when using a Wi-Fi adapter\(^2\), the HandReader will operate normally; so long as connections and addresses are properly set. Please use the following instructions as a guideline for initial set up of the Wi-Fi adapter.

Setup Summary of the Wireless Router and Bridge:

Host --> Switch --> Primary Wireless Router --> Wireless Router (Repeater/Bridge) --> HandReader\(^3\)

Repeater/Bridge Setup

1. Configure the wireless router with LAN connection from the computer
   a. Set the computer to static IP mode
      i. i.e. Set the wireless router address to 192.168.0.1
      ii. i.e. Set the computer IP address to 192.168.0.100

2. Set the wireless router to repeater/bridge mode
   a. Need to make sure the primary wireless router address is different from repeater/bridge router
      i. i.e. Set the primary wireless router to 192.168.1.1
      ii. i.e. Set the repeater/bridge router to 192.168.1.10

3. Ensure that the DHCP server is disabled on the repeater/bridge router

4. Set the repeater/bridge router to connect to the primary wireless router by using security password

5. Connect a HandReader to the repeater/bridge router LAN port
   a. The GT-400 can be set either DHCP or static IP
   b. The F-Series HandReaders can be set as static IP

\(^1\) F-Series models include: all HandPunch & HandKey models that have Ethernet enables. G-Series includes the GT-400.

\(^2\) Wireless N150 Router: Encore 3G Mobile Broadband Wireless N150 Router plus Repeater, ENHWI-3GN3

\(^3\) Note that the Host and the HandReaders are on the same network.