



3rd Party PoE Adapter Use: F-Series & G-Series

This document stands to act as a procedural guide for when using a 3rd party PoE adapter with the HandReaders, both F-Series & G-Series¹. Schlage has performed testing to confirm that when using a PoE adapter², the HandReader will operate normally; so long as the minimum power requirements are met. Please use the following instructions as a guideline for initial set up of the Wi-Fi adapter.

Setup Summary of the PoE Injector and PoE Splitter (One-on-One)

Host --> Switch --> PoE Injector --> PoE Splitter --> HandReader

1. Connect from a host PC to a network switch via an Ethernet cable
2. Connect another Ethernet cable from the network switch to "LAN IN" on the PoE Injector
3. Connect between "Power/Data Out" of PoE Injector and "Power/Data In" of PoE Splitter by using Ethernet cable
 - a. It is important to note the distance between the PoE Injector and PoE Splitter. PoE supported distances may vary depending on the manufacturer³.
 - i. **Power degradation could occur if lengths are exceeded, which could have undesirable effects in the performance of the HandReader.**
4. Connect power cable to the PoE Injector
5. Connect "LAN OUT" from PoE Splitter to HandReader Ethernet port
6. Connect "DC OUT" from PoE Splitter to HandReader power port
 - a. It is important to ensure that the outputting power is at least 12V at 1A.
 - b. It is important to ensure that the power (barrel) connector is compatible with HandReader.
 - i. **Power degradation could occur when inadequate power is outputted from the splitter, which could have**

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

² PoE Device Detail: Model Name & Number; TP-LINK PoE Adapter Kit: TL-POE200

³ The TL-POE 200 maximum transfer length is 100 meters (330 ft)