



mFi Switch

In-Wall Manageable Switch/Dimmer
Model: mFi-LD



QUICK START GUIDE

Introduction

Thank you for purchasing the Ubiquiti Networks™ mFi® Switch, model mFi-LD. The mFi Switch is a capacitive touch switch that can be configured as an on/off switch or a light dimmer. It is designed for integration with the mFi Controller software for energy monitoring and configuration via Wi-Fi.

This Quick Start Guide is designed to guide you through the hardware installation and software configuration. The warranty terms are also included in this Quick Start Guide. For details on using the mFi Controller or to download the mFi Controller software, visit www.ubnt.com/mfi

Package Contents



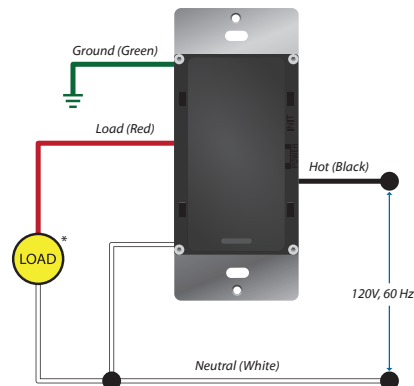
TERMS OF USE: It is the customer's responsibility to follow local country regulations, including operation within legal frequency channels, output power, indoor cabling requirements, and Dynamic Frequency Selection (DFS) requirements.

Installation Requirements

- Phillips screwdriver
- Wire stripper/cutter
- Needle-nose pliers (Optional)

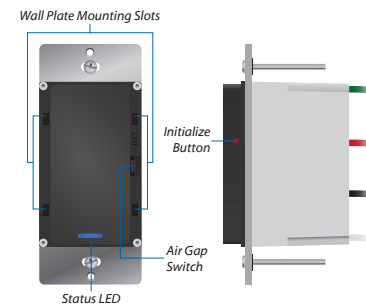
- ⚠ **IMPORTANT:** The mFi Switch is to be installed by a qualified electrician in accordance with local electrical codes and regulations.
- ⚠ **WARNING: TO AVOID FIRE, SHOCK OR DEATH;** turn off power at the circuit breaker or fuse before installing.

Wiring Overview



* Only use incandescent, halogen, dimmable CFL, or dimmable LED lamps when the mFi Switch is configured as a light dimmer. Maximum Load is 5A in Dimmer mode.

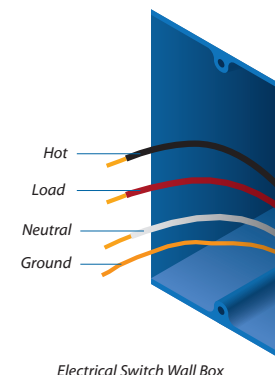
Hardware Overview



Interface	Description
LED	The Status LED has four primary states: <ul style="list-style-type: none"> • Solid yellow When first powered on in factory default mode. • Flashing yellow Connecting to a Wi-Fi network. • Solid blue Successfully connected to mFi Controller. • Flashing blue Connecting to mFi Controller.
INIT	Initialize Button Restores to factory default settings. Press and hold until the LED alternates colors to restore the device.
POWER	Air Gap Switch Disconnects power and resets the device. Pull the Air Gap Switch out to disconnect power and push the switch back in to restore power. When configured as a light dimmer, disconnect power before replacing bulbs.

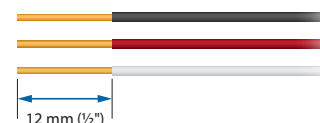
Hardware Installation

1. Turn off power at the circuit breaker or fuse panel, and verify that the power is off.
2. Identify and label the wiring in the wall box. There should be three wires and a ground wire. If there is no **Neutral** wire, run a new circuit containing a **Neutral** line.

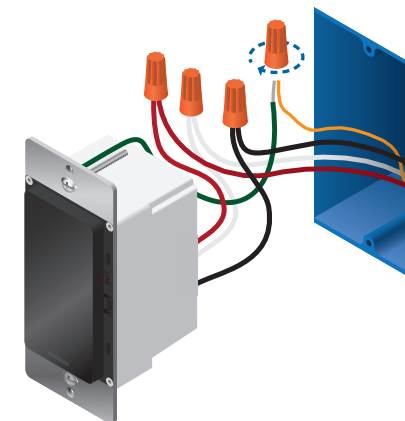


Note: Wiring colors may be different from the illustration. Be sure to verify the wiring before continuing.

3. Prepare the wiring in the wall box by stripping away 12 mm (1/2") of insulation from the end of each wire.



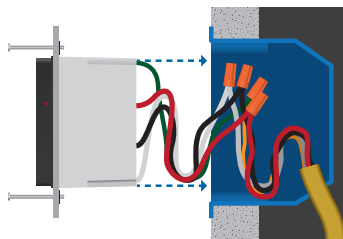
4. Connect the mFi Switch wires to the wall box wires and secure each connection with a **Wire Nut**.
 - a. Connect the **Red** wire of the mFi Switch to the **Load** wire of the wall box.
 - b. Connect the **White** wire of the mFi Switch to the **Neutral** wire of the wall box.
 - c. Connect the **Black** wire of the mFi Switch to the **Hot** wire of the wall box.
 - d. Connect the **Green** wire of the mFi Switch to the **Ground** wire of the wall box.



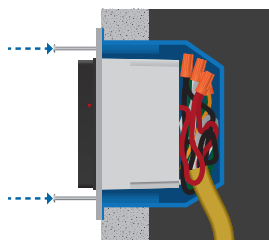
Note: Orient the mFi Switch with the LED located at the bottom.



5. Bend and form the wires to fit into the wall box. Ensure the wires are properly positioned to allow adequate room for the mFi Switch.

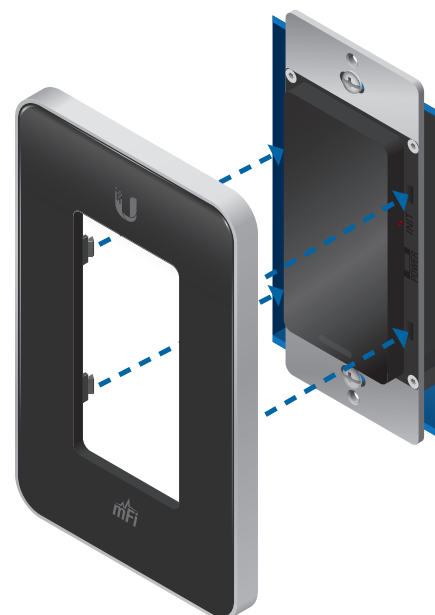


6. Place the mFi Switch inside the wall box and ensure the yoke is mounted flush with the wall for proper fitting of the **Wall Plate**. Secure the mFi Switch with the two screws.



Note: Do not over-tighten or rely on the force of the screws to pull the mFi Switch into the wall box. If the wall box does not have enough room to accommodate the mFi Switch and the wiring, replace the wall box with a deeper or wider box.

7. Mount the **Wall Plate** by aligning the mounting clips with the **Wall Plate Mounting Slots** on the mFi Switch. Press the **Wall Plate** into position until the mounting clips snap into place. If you are using your own wall plate, secure it with two screws.



8. Turn on power at the circuit breaker or fuse panel.

Configuring the mFi Switch via Wi-Fi

To configure the mFi Switch, you must access it via Wi-Fi from a computer. The mFi Switch has a default SSID (wireless network name) labeled **mFi** followed by the last six characters of the MAC address.

Windows

1. Go to **Connect to Network**.
 - **Windows 8** Click the **Network** icon.
 - **Windows 7** Right-click the **Network** icon.
 - **Windows Vista** Go to **Start > Connect To**.
 - **Windows XP** Right-click the **Wireless Network** icon in the **System Tray** (lower right corner of the screen). Click **View Available Wireless Networks**.
2. Select the wireless network (SSID) that begins with **mFi** and then click **Connect**. Go to **Accessing the Configuration Portal**.

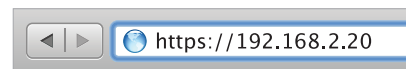
Mac

1. Click the **AirPort** icon in the menu bar (top right side of the screen).
2. Select the wireless network (SSID) that begins with **mFi**. Once connected, the **AirPort** icon will change from gray to solid black.

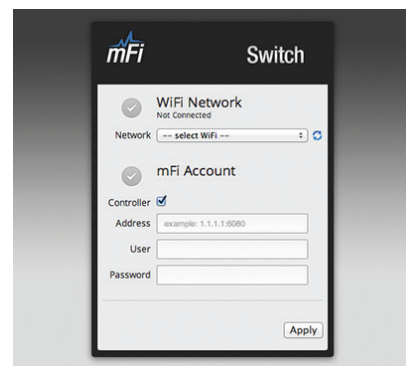


Accessing the Configuration Portal

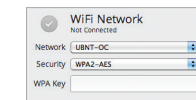
1. Launch your web browser. Type **https://192.168.2.20** in the address field. Press **enter** (PC) or **return** (Mac).



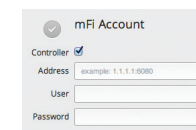
2. You may receive a security certificate warning. Click **Proceed Anyway**.
3. The **Configuration Portal** will appear. Select the wireless network name (SSID) of your existing wireless network from the drop-down list. To refresh the list, click the blue arrows on the right.



4. Enter your Wi-Fi security credentials. The options that appear are based on the encryption method used on your Wi-Fi network.



5. Enter your mFi Controller settings:



- **Address** The IP address and http port used by the Controller. (The port is usually 6080, for example: **1.1.1.1:6080** or **mfi.acme.com:6080**).
- **User** The username used to log in to the Controller.
- **Password** The password used to log in to the Controller.

Note: Remove the **Controller** checkmark if you need to enter the Controller settings later. This can be done via the embedded UI or layer 2 adoption.

6. Click **Apply**.
7. A flashing yellow checkmark will appear while the mFi Switch is attempting to connect to the Wi-Fi network. It will appear green once the mFi Switch is connected.



8. If a Controller was specified, a flashing yellow checkmark will appear while the mFi Switch is attempting to connect to the Controller. It will appear green once the mFi Switch is connected.



9. Reconnect your computer to your wireless network by selecting the SSID from your wireless network utility.
10. If a Controller was specified, access the Controller. The mFi Switch will appear as a **mFi Switch** icon in the left panel under the **Drag on to Map** heading. You can position the mFi Switch in the appropriate location.



For additional details on the mFi Controller software, please refer to the mFi User Guide available on our website at: documentation.ubnt.com/mfi

