Manuals+
Q & A | Deep Search | Upload

Insteon 2457D2

Insteon Smart Lamp Dimmer Plug-In Module User Manual

Model: 2457D2
Brand: Insteon

Product Overview

The Insteon Smart Lamp Dimmer Plug-In Module (Model 2457D2) allows for remote control of lamps, including turning them on/off and adjusting brightness levels. This module is designed for indoor use and requires an Insteon Hub for smartphone and voice control capabilities with Amazon Alexa and Google Assistant.
It features dual-band communication, utilizing both powerline and radio frequency for reliable operation without burdening your Wi-Fi network. The module is compatible with incandescent or halogen bulbs up to 300 Watts and most dimmable LED bulbs.

Figure 1: Front view of the Insteon Smart Lamp Dimmer Plug-In Module.

Setup and Installation

Follow these steps to set up your Insteon Dimmer Module:

1. **Prepare the Lamp:** Ensure your lamp is turned on and connect its power cord directly to the Insteon Dimmer Module.
2. **Plug into Outlet:** Plug the Insteon Dimmer Module into an unswitched wall outlet.
3. **App Integration:** Open the Insteon app on your smartphone and follow the on-screen instructions to add the Dimmer Module to your Insteon system.
4. **Pairing:** When prompted by the app, press and hold the 'SET' button on the Dimmer Module until it beeps, indicating successful pairing.

Important Note:

- For remote control functionality, the lamp's physical switch must always be in the 'ON' position. If the lamp's switch is OFF, the Dimmer Module will be unable to remotely control your lamp.
- The module is designed for indoor use only.

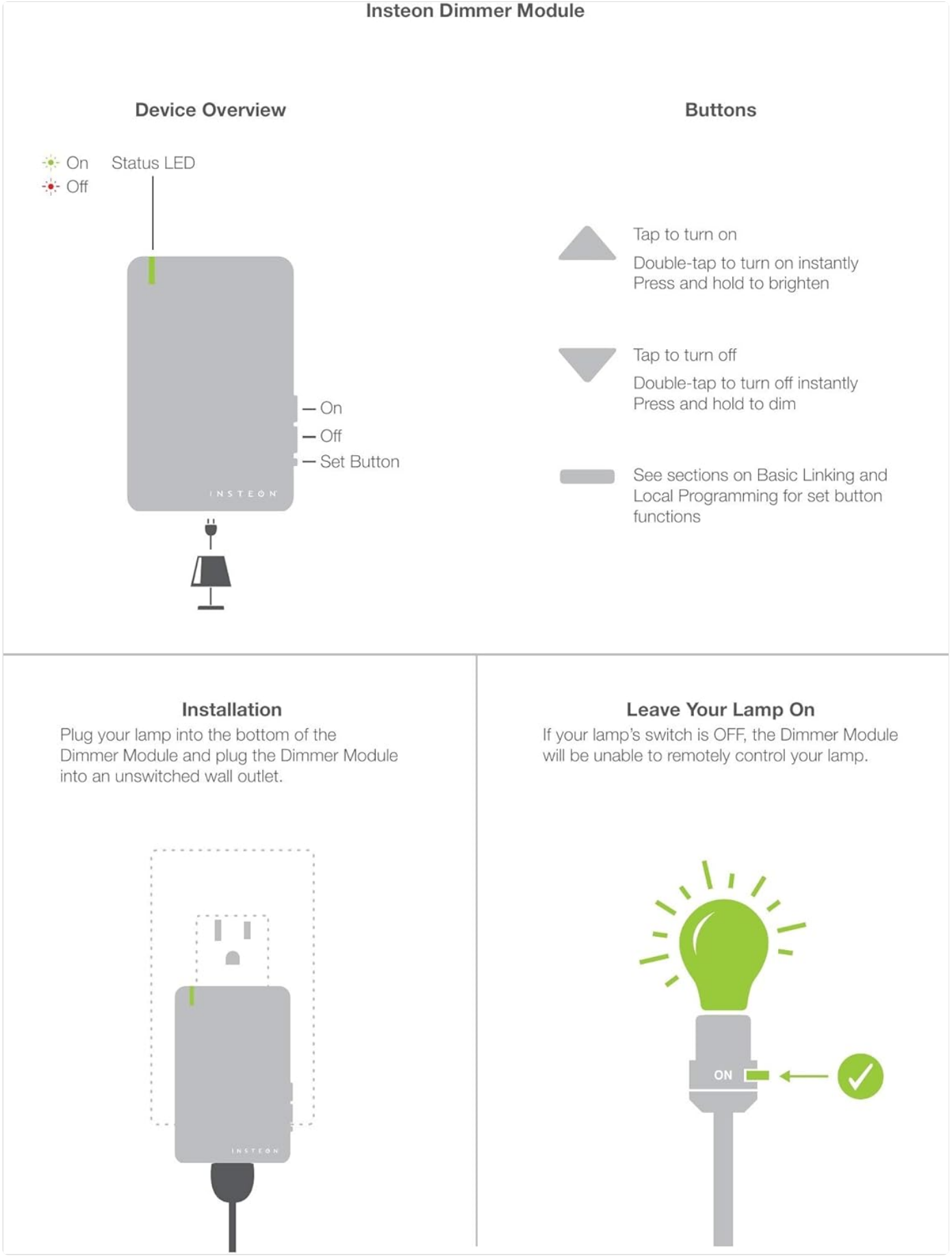

Figure 2: Installation diagram for the Insteon Dimmer Module.

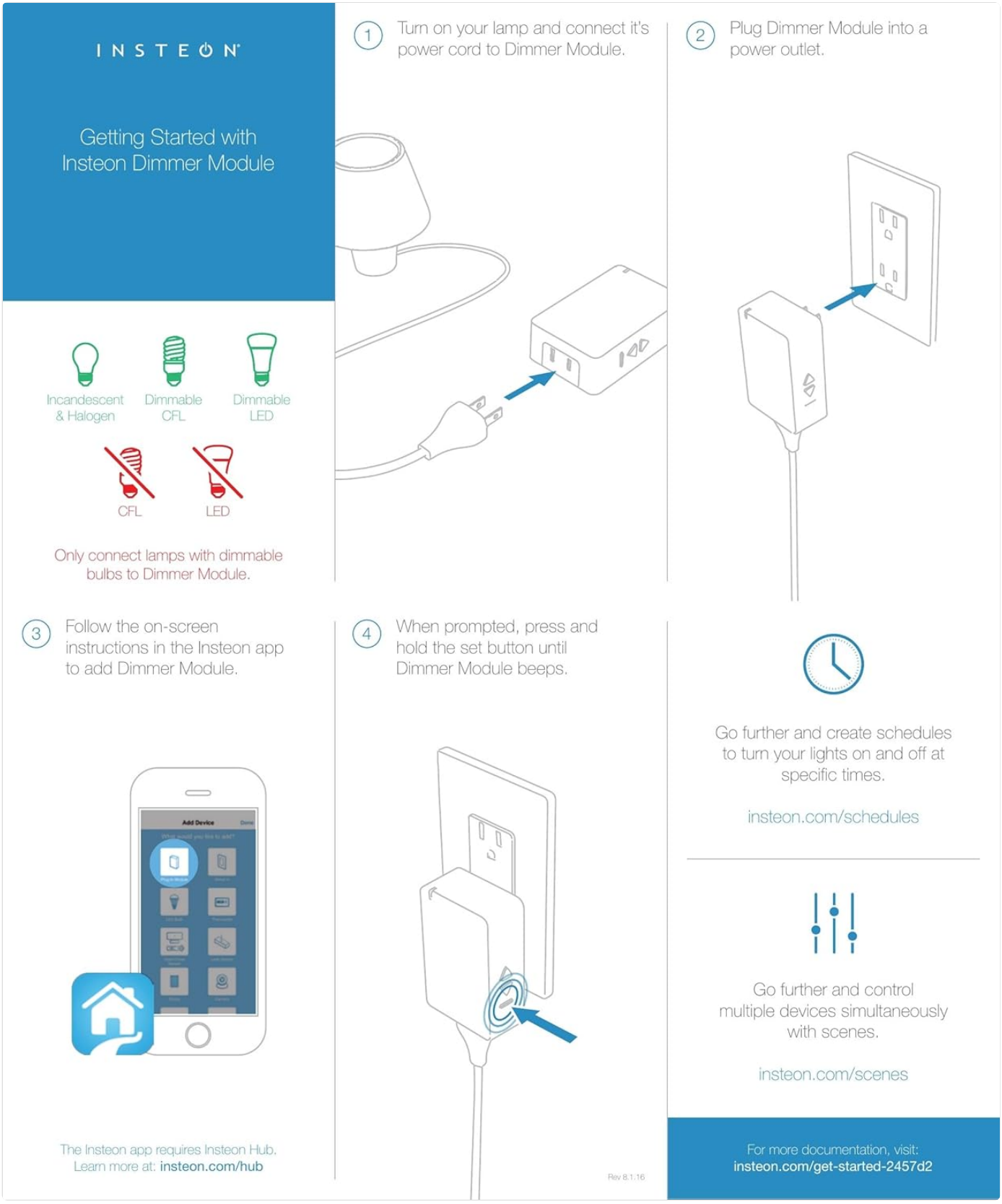

Figure 3: Visual guide for getting started with the Insteon Dimmer Module.

Operating Instructions

The Insteon Dimmer Module can be controlled locally using its integrated buttons or remotely via an Insteon Hub and compatible controllers.

Local Control Buttons:

Figure 4: Device Overview and Button Functions.

- **Up Arrow Button (Top):**
  - Tap: Turns the light on.
  - Double-tap: Turns the light on instantly to full brightness.
  - Press and hold: Gradually brightens the light.
- **Down Arrow Button (Middle):**
  - Tap: Turns the light off.
  - Double-tap: Turns the light off instantly.
  - Press and hold: Gradually dims the light.
- **SET Button (Bottom):** Used for basic linking with other Insteon devices and local programming. Refer to the Insteon app or advanced user guides for detailed programming instructions.

Remote Control:

Once paired with an Insteon Hub (Model 2245-222, sold separately), you can control your lamp remotely using:

- **Insteon App:** Control from your smartphone or tablet.
- **Voice Assistants:** Integrate with Amazon Alexa or Google Assistant for voice control (requires Insteon Home Connected Access, sold separately).
- **Other Insteon Controllers:** Compatible with Insteon Mini Remotes, Wall Keypads, Motion Sensors, and more.

The module allows you to set custom fade rates for lights turning on and off, and to preset the 'ON' light level. You can also incorporate the lamp into various lighting scenes for automated control.

Figure 5: Smartphone control via the Insteon app.

Maintenance

The Insteon Smart Lamp Dimmer Plug-In Module requires minimal maintenance. To ensure optimal performance and longevity:

- **Indoor Use Only:** This device is designed exclusively for indoor environments. Do not expose it to moisture, extreme temperatures, or outdoor conditions.
- **Cleaning:** Wipe the module with a soft, dry cloth. Do not use liquid cleaners or abrasive materials.
- **Power Source:** Ensure the module is plugged into a stable 110-volt AC outlet.

Troubleshooting

If you encounter issues with your Insteon Smart Lamp Dimmer Plug-In Module, consider the following common solutions:

- **Module Not Responding:**
  - Ensure the lamp connected to the module has its physical switch turned 'ON'.

- Verify the module is securely plugged into a live wall outlet.
- Check if your Insteon Hub is powered on and connected to the network.

- **Flickering with LED Bulbs:**
  - While compatible with most dimmable LED bulbs, dimming ranges can vary. If flickering occurs, try a different brand or type of dimmable LED bulb.
  - Flickering may also occur at very low dimming levels or during slow network connections if the hub is querying the lights.
- **Difficulty Pairing/Linking:**
  - Ensure you are following the pairing instructions precisely, including pressing and holding the 'SET' button until the module beeps.
  - If linking to multiple motion sensors or other devices, ensure consistent behavior. If issues persist, try pairing with one device first to confirm functionality.
  - A factory reset of the module may resolve persistent pairing issues. Refer to the Insteon app or Insteon support documentation for factory reset procedures.
- **No Remote Control via App/Voice:**
  - Confirm that your Insteon Hub (2245-222) is properly set up and connected to your home network.
  - Ensure you have Insteon Home Connected Access if using voice control with Amazon Alexa or Google Assistant.
  - If you lose internet connection, access to the hub via the app may be lost, even on local Wi-Fi, depending on your hub model.

Specifications

Attribute	Detail
Manufacturer	Insteon
Part Number	2457D2
Item Model Number	2457D2
Item Weight	4 ounces
Product Dimensions	2 x 2 x 7 inches
Color	White
Style	Dimmer Plug In Module
Material	Plastic
Power Source	AC
Voltage	110 Volts
Wattage	300 Watts
Installation Method	Plug-in to AC outlet
Usage	Indoor use only
Included Components	Insteon 2457D2 Smart Lamp Dimmer Plug-in Module (1x), Quick Start Guide (1x)
Certification	FCC

First Available Date	November 16, 2009

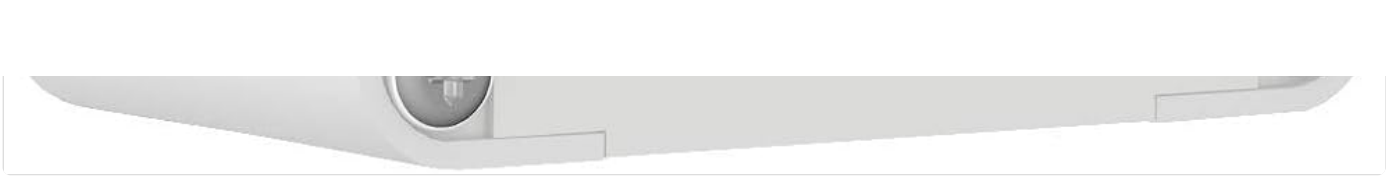

Figure 6: Product label on the back of the module.

Warranty Information

The Insteon Smart Lamp Dimmer Plug-In Module (Model 2457D2) comes with a**2-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. For specific terms and conditions, please refer to the official warranty documentation provided with your product or contact Insteon customer support.

Support and Resources

For additional support, detailed guides, and product information, please visit the official Insteon website or refer to the user guide PDF:

- Insteon Official Website
- User Manual (PDF)
- For specific programming details and scene creation, visit: insteon.com/get-started-2457d2
- For scheduling information, visit: insteon.com/schedules
- For scene management, visit: insteon.com/scenes

You can also find more information about the Insteon Hub at: insteon.com/hub

© 2023 Insteon. All rights reserved.