尺寸: 51X85 mm 材质: 105g铜版纸 装订方式: 风琴方式

	Hardware Description	Prerequisites	Getting Started - Step 1	Getting Started - Step 2	
	The male power plug on the back of the KAUF smart plug is inserted into a standard US wall outlet to supply power to the KAUF smart plug. A device to be switched on and off by the KAUF smart plug is plugged into the female plug on the front of the KAUF smart plug.	The software included on the KAUF smart plug requires that the user have an installation of Home Assistant to connect the smart plug to. If you need to set up Home Assistant, Kaufman Home Automation recommends that you purchase a Raspberry Pi 4 kit and follow the	Begin by plugging the KAUF smart plug into a wall outlet. Multiple new KAUF devices can be plugged in and configured at once, but the process may go more smoothly if only a single new device is plugged in and completely set up before plugging in another.	After being plugged in for 20-30 seconds, the KAUF smart plug will recognize that it cannot connect to Wi-Fi and create its own "fallback" Wi-Fi hotspot for you to connect to. The KAUF smart plug's fallback Wi-Fi hotspot will be called "Kauf Plug Hotspot".	← Wi-Fi Q ⑦ Use Wi-Fi ● ♥ noagendashow.com Saved ♥ Kauf Plug Hotspot
Energy Monitoring Smart Plug	The button on the front of the KAUF smart plug toggles AC power from the male plug to the female plug when pressed. Power is toggled using an internal 16A / 125VAC power relay.	directions at: https://www.home-assistant.io/installation/ Once you have Home Assistant running, proceed to Getting Started - Step 1 on the next page.	The red LED on the front face will begin blinking very soon after you plug in the KAUF smart plug, since the device will initially be unable to connect to Wi-Fi. NOTE: If the blue LED is also on, the LED will appear to alternate between blue and purple	Using a Wi-Fi enabled device, such as a mobile phone or laptop computer, connect to the fallback Wi-Fi hotspot. Please be patient and refresh the Wi-Fi network list on your device. It can take 1-2 minutes for the hotspot to show up in your system's Wi-Fi menu. FIG. 1 shows the	 Kaufman CoxWiFi SETUP-139C 619MamaDuck2
User Manual	A blue LED on the front of the device lights up when power is being supplied to the female plug on the front of the device. A red LED repeatedly blinks when a Wi-Fi connection or a connection to Home Assistant	You also have the option to reprogram the KAUF smart plug with an ESP8266 compatible firmware of your choice, which may not require Home Assistant.	rather than between red and off due to the red and blue light combining into purple. Move to step 2 once you see the red LED blinking.	fallback Wi-Fi hotspot found by an Android device. Any device with Wi-Fi and a web browser should work. Connect to the Kauf Plug Hotspot Wi-Fi network and continue to Step 3.	 619MarmaDuck5
Kaufman Home Automation, LLC kaufha.com	- 01 -	- 02 -	- 03 -	- 04 -	- 05 -
Developer Tools Supervisor Configuration Motifications BK Brian Kaufman FIG. 3a Notifications Kew devices discovered Wetweed eliscovered new devices on your network: Check truet. Pages 201.	Discovered ESPHome: kauf_plug_e9e97b CONFIGURE GINORE FIG. 3C Bedroom Lamp > kauf_plug_e9e97b >	Finding and Renaming the Plug in Home Assistant After following the Getting Started steps, the KAUF smart plug can be found in Home Assistant by returning to the Integratons page via the Configuration menu. Look for a card with the heading "ESPHome" as shown in FIG. 4a. The ESPHome card will list all devices added to Home Assistant using the ESPHome native API, including the just-added KAUF smart plug. Find and select the KAUF smart plug and the card in FIG. 4a will change to show information specific to the new plug. If the KAUF smart plug is the only ESPHome device you have added, the information specific to the new plug will be displayed initially without having to click. Use the kebab menu (three dots) and select rename to change the name to something	Renaming Continued The card with information about the KAUF plug will indicate that the plug has 1 device and 6 entities. Click the link "1 device", then click the device listed on the next page. The Home Assistant device page will show detailed information about the device including all entities. The information is shown in FIG. 4b. At the top of FIG. 4b is the device's name in Home Assistant, kauf_plug_e9e97b. Click the pencil by the device name to change it to the same name previously used within the ESPHome card. Below that is a list of entities. "Kauf Plug" is the main switch entity that turns the KAUF smart plug on and off. The remaining entities are sensors that give various information about the plug, such as IP address or power usage. Each of the entities in FIG. 4b can be renamed by visiding an it. De wurs to change hath its page	kauf_plug_e9e97b Device info PLATFORMIO_ESP01_1M by espressif Firmware: 1.17.1 (May 6 2021, 11:09:39) Entities ≰ Kauf Plug ▲ Kauf Plug Current 0.06 A ▲ Kauf Plug PAddress 192.168.86.201 ≰ Kauf Plug Power 10.3 W ▲ Kauf Plug Total Daily En 0.002 kWh ▲ Kauf Plug Voltage 0.5 V	Pro Tips ESPHome can have issues if your network changes the IP address of the KAUF smart plug. We recommend that you give your KAUF smart plug a static IP address on your local network to prevent potential issues. If you aren't sure how, perform a web search for the name of your router and how to set a static IP address. If the IP address of your KAUF smart plug does happen to change, the plug will likely show up as unavailable in Home Assistant temporarily. Restarting Home Assistant should cause it to find the plug at its new IP address. You can reprogram the KAUF smart plug in the ESPHome dashboard using the yaml file downloadable at https://kaufha.com/PLF10. You can set a static IP address in the yaml file. You can also use the yaml file to calibrate power monitoring. The default calibration can be inaccurted a otherwork it will how eufficient to
-09-	FIG. 4a	more descriptive, e.g., Bedroom Fan Plug or Living Room Lamp Plug. - 11 -	and its entity ID to something more descriptive.	FIG. 4b	determine if the plugged in device is running. - 14 -

Getting Started - Step 3

Once you are connected to the KAUF smart plug's fallback Wi-Fi hotspot, you should be prompted to "sign in" to the hotspot.

Clicking the sign-in prompt will open up the web interface shown in FIG. 2.

If there is no sign-in prompt, or the web interface in FIG. 2 is not automatically opened, you can try going to the address http://192.168.4.1 in a web browser while connected to the fallback hotspot.

The web interface allows you to select one of the listed Wi-Fi networks automatically detected by the KAUF smart plug, or enter any other SSID/password combination to join any 2.4 GHz Wi-Fi network.

Enter your Wi-Fi credentials into the web interface shown in FIG. 2, click save, and then continue on to Step 4.

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Flashing a Different Firmware

The KAUF smart plug's web interface allows its firmware to be reprogrammed by uploading a bin or bin.gz file.

A replacement firmware can be uploaded at the bottom of the page shown in FIG. 2, or by browsing to the KAUF smart plug's IP address after the plug is added to Home Assistant. The KAUF smart plug will generate an entity that shows the plug's IP address, which is 192.168.86.201 in FIG. 4b.

Any ESP8266-compatible firmware can be used. Please ensure that the firmware you select allows for over-the-air (OTA) updates, or you may have to take apart the KAUF smart plug and do some soldering if you ever want to flash another firmware.

Sign in to Kauf Plug Hotspot 192.168.4.1	:
WiFi Networks	
▼ <u>Kaufman</u>	ô
noagendashow.com	ô
	Ô
noagendashow.com	Ô
	Ô
CenturyLink1822	Ô
619MamaDuck2	Ô
	Ô
P.C. House 2.4G	Ô
✓ <u>NETGEAR1</u>	Ô
	â
✓ <u>NETGEAR84</u>	Ô
	Ô
WiFi Settings	
SSID	
Password	
Sava	
Save	
FIG. 2	
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Tasmota Notes

The flash memory on the KAUF smart plug has enough free space to flash the full default Tasmota firmware as long as the gzip file is used. Download the file called "tasmota.bin.gz" and flash it to install Tasmota.

You can also try tasmota-lite.bin or .bin.gz.

IMPORTANT: DO NOT flash the KAUF smart

plug with tasmota-minimal.bin or .bin.gz

The minimal version of Tasmota does not include the captive portal that is required to connect the plug to your Wi-Fi network. If you go straight from the included ESPHome-based firmware to tasmota-minimal, your KAUF smart plug will be bricked, requiring the plug to be taken apart and soldered to reflash.

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Getting Started - Step 4

The KAUF smart plug will restart itself and connect to the entered Wi-Fi network.

Shortly thereafter, Home Assistant will detect the KAUF smart plug and provide a notification in Home Assistant's interface. FIG. 3a shows a notification in Home Assistant's menu.

Click the "notifications" option in the menu and another menu will appear with the notification as shown in FIG. 3b. Click "Check it out" in the notification.

Home Assistant will take you to the Integrations configuration page, and you will see a card that shows the KAUF smart plug as a Discovered device. FIG. 3c shows the card.

Click "configure" and follow the prompts to finish adding the KAUF smart plug to Home Assistant.

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ESP8266 Pinout

- GPIO 0 Red LED, active low
- GPIO 2 Blue LED, active low
- GPIO 4 Relay output, active high
- GPIO 5 Power monitoring CF pin
- GPIO 12 Power monitoring SEL pin
- GPIO 13 Button input, requires pullup R
- GPIO 14 Power monitoring CF1 pin

Additional Help

Visit our webpage for additional details and help:

https://kaufha.com/PLF10

Feel free to email us to ask specific questions not covered in this manual or on our website:

help@kaufha.com

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