

How to Connect and Control Mi IoT Devices in Python

Step 1

Ensure your devices can connect to your smartphone or computer using WIFI. Using other protocol may need to use a Bridge / Gateway.

Step 2

Find your device's mode, and find the correspondingly API in [MIIO package](#).

Step 3

If you fail to find the APIs of your devices, try to search your devices mode in MIIO's [Github Issue](#).

If you cannot find any solution and your device supports WIFI connection. Then try the solution in Step 4.

Step 4

If your devices are not supported by MIIO API now, e.g., MI Smart Power Plug 2, you can try the solution I post on [Github Issue](#).

You can check your devices' json file using the [link](#). First, search the device in the home page, e.g., `Mi Smart Plug (WiFi)`, then click the mode link in the page, e.g., `chuangmi.plug.hmi206`. Then you can see the `SIID` which indicates the service ID, and the `PIID`, which indicates property ID.

With `SIID` and `PIID`, you can set status of devices in python using MIIO's `Device` Class and `send` function. e.g., if you want to open the socket, use the following codes:

```
from mio.device import Device

plug = Device("DEVICE_IP", "DEVICE_TOKEN")
print(plug.send("set_properties", [{"did": 'MYDID', 'siid': 2, 'piid': 1, 'value': True}]))
```