1. Product Introduction

1.1. Overview

The Aqara Hub M2 is a smart home control center. It can be connected with a WiFi or Ethernet network, and supports interaction and connection with Aqara Zigbee accessories. It also has an IR remote control function, which can add and manage the control of different IR devices. The Aqara Hub M2 allows you to control your Aqara accessories more conveniently.

*Note: It supports Aqara Home APP and Apple Home APP.

1.2. Ports

Aqara Hub M2 contains an indicator light, a button, an Ethernet LAN port, a Micro USB port, and a Type A USB port.

Port	Description
Ethernet Port	Ethernet LAN port
Micro USB	Power supply port
Type A USB	Preserved USB port
Button	Button of multiple functions
Indicator Light	Status indicator

Function	Description
Multi-protocol Interaction Center	Supports multiple wireless communication protocols including Zigbee, BLE and infrared RF
Zigbee Hub	Supports Zigbee3.0 and compatible with Zigbee1.2 devices
BLE	To facilitate the Hub to binding with the network.
Universal Infrared Remote Control	For you to control your infrared devices anytime and anywhere, including fans, air conditioners, TV set-top boxes, etc.
APP Remote Control	For you to monitor the home security and controls smart devices anytime and anywhere
Voice Control	Supports Xiaomi AI, Apple Siri, etc.
More Stable Network	Dual WiFi antennas provides a more stable adaptive rate and supports network connecting via cable
Apple HomeKit	Supports direct device adding via Apple Home APP

2.Specifications

2.1. Controllable Device

It can be used as a Hub for Zigbee devices, can send and receive infrared signals, and realize the interconnection and intercommunication between Wi-Fi, Zigbee, BLE and infrared devices.

*BLE and BLE MESH devices are currently not supported to bind with the Hub.

2.2. Basic Specifications

Item	Description

Name	Aqara Hub M2
Brand	Aqara
Cloud Server	Mainland China/USA/Europe/Russia/Korea
Version	Standard
Zigbee Protocol	Zigbee3.0, compatible with Zigbee1.2
Bluetooth Protocol	BLE
Infrared Remote Control	Support
Apple Homekit*	Support
Model	HM2-G01
SKU	EU:AG022GLB02 US:AG022GLB01
SN	EU:678/xxxxxxxx US:655/xxxxxxxx
Dimension	100*30.75mm
Color	Black
Material	PC
Gross Weight	240g
Net Weight	130g
Package Dimension	104.5*105.5*60mm
Box Dimension	480*261*305mm
Box Gross Weight	8.6kg
MOQ in a Box	32pcs
Sales Channel	Overseas Market
EAN/69 Code-EU	6970504213777
UPC-US	192784000540

*Apple Homekit: HomeKit is Apple's smart home platform. Aqara Hub M2 supports Apple HomeKit, and you can control smart devices through the Apple device APP or the voice assistant Siri.

2.3. Electrical Parameter

Electrical Parameter	Description
Power Adapter	Input: 100-240V~50/60Hz MAX0.2A

	Output: 5V⎓1A
Power Adapter Port	Input: China Standard, two-pin plug
	Output: Type A USB female connector
USB Wire	Type A to Micro USB, the cable length is 1.5 meters
Hub M2 Input	Direct current DC5V⎓1A，Micro USB

2.4. Wireless Communication Parameter

Type	Item	Description
Wi-Fi	Modulation	DBPSK/DQPSK/CCK/BPSK/QPSK/16QAM/64QAM
	Occupied Bandwidth	20MHz/40MHz
	Frequency Range	2412～2484 MHz
	Transmit Power	16±2 dBm(802.11b)
	Wireless Protocol	IEEE 802.11 b/g/n
Zigbee	Modulation	O-QPSK
	Wireless Standard	IEEE 802.15.4
	Transmit Power	10 dBm(US: 20dBm)
	Frequency Range	2.4GHz（2400～2483.5MHz）
BLE	Modulation	GFSK
	Transmit Power	10dBm
	Frequency Range	2.4GHz（2400～2483.5MHz）
Wireless Distance	Zigbee	150m (Outdoor, open)
	WiFi	150m (Outdoor, open)
	BLE	50m (Outdoor, open)

2.5. Environment Parameter

Item	Description
Operating Temperature	-5℃～+50℃
Operating Humidity	0%～95% RH, no condensation

Storage Environment	Ambient temperature: -40℃～70℃, humidity: 0%～95%, no condensation

3.Instruction

3.1. Quick Setup

3.1.1 Download the app

Search "Aqara Home" in the app store or scan the QR code below to download the "Aqara Home" app.

3.1.2 Set up the Hub

 1) Choose the installation location of the hub: the hub should be 2-6 meters away from the router in the house, and avoid metal

obstacles between the hub and the router or around the hub.

 2) Power the hub on: please use the 5V-1A or 5V-2A adapter (purchase it separately) and the USB power cable to power the hub on.

*If you need to use wired network communication between the hub and the router, please use a network cable with RJ45 network port to connect the LAN ports of the hub and your router, and wait for the orange and green lights on the side of the network port to light up.

3) Wait for the yellow/red hub indicator light to change from always on to flashing.

4) Make sure that the mobile phone is connected with the 2.4GHz Wi-Fi network.

*If you use a dual-band router, please make sure your phone is connected with 2.4GHz Wi-Fi or disable 5GHz Wi-Fi.

*Keep your phone close to the hub and make sure both of them are connected with the same Wi-Fi network.

5) Please open the Aqara Home app, click "+" in the upper right corner, select "Hub M2" and follow the instructions to complete adding the hub.

*For iOS users, if you want to realize Apple HomeKit control, please scan or manually enter the HomeKit Setup Code (keep the code in a safe place in case you need to add it again) on the bottom of the hub or on the manual according to the app instructions during the hub adding process, and bind the hub to HomeKit. After it is bound successfully, you can view the added hub in Apple Home app.

6) If you fail to add the hub, please press the button on the hub for more than 10 seconds until the yellow/red light flashes quickly, and then add it again. If you need any help, please contact www.aqara.com/en/support.html.

If the device could not be added, please follow these steps:

*Please make sure the device is connected with the 2.4GHz Wi-Fi network.

*Wi-Fi name or password may contain special characters. Please replace them with ordinary character and try again;

*Currently the device does not support WPA/WPA2 enterprise Wi-Fi networks;

*Please check whether the router turns on the Wi-Fi connection watcher function, which causes the network connection failures

*Please check whether the router turns on the AP isolation function, which causes the mobile phone to be unable to find the device within LAN;

* Do not connect it to a bridge network

If HomeKit binding fails, please confirm the following:

*"Cannot add accessories". Due to multiple adding failures, the error information of iOS system cache cannot be removed. Please restart the iOS device and reset the Hub. If it still fails, please check the router compatibility, and try to replace another router and try again.

*"The accessory has been added". After restarting the iOS device and reset the Hub, you can manually enter the HomeKit setup code and add it again

*"Can not find the accessory". Please wait for 3 minutes after resetting the Hub. You can manually enter the HomeKit setup code and add it again.

3.1.3 Adding an Accessory

After the hub is successfully added, please refer to the accessory installation guide to add an accessory.

3.1.4 Restore to Factory Settings

Quickly press the button on the Hub ten times

3.2. Indicator Light Description

Light Color	Light Status	Description
Yellow/Red	Steady on	After the hub powers on, the system is starting up.
	Flashing	The hub enters the initialization status, waiting for network connection; Flashing appears after the first use or within fifteen minutes after the reset
Blue	Flashing	Wi-Fi is connecting; app is connecting to the hub; the network is down; the hub is reconnecting to the network after it is powered off and on
	Steady on	Working normally
White	Flashing	Wi-Fi is connecting; the hub is connecting to the network.
	Steady on	The hub enters the network connection failure status; only after you power the hub on/off or reset the hub, it can enter the status to wait for the network connection
Purple	Flashing	The hub is allowed to add accessories

*Due to updates to the device firmware, the actual operation may be slightly different from the above description. Please follow the instructions in the current version of the Aqara Home app or operate the device according the actual device status.

3.3. Button Functions

a) Press

Mute the doorbell ringing / mute the alarm

b) Long Press for 10s

Reset the Hub and enter the "Wi-Fi network not configured" state. The original configuration parameters and networking parameters are retained.

c) Short Press Three Times

Quickly press three times to turn on the ZigBee networking mode.

This function has the highest priority and can be triggered in any state (when not connected to the Internet, not configured with Wi-Fi, alarming, etc.). After triggering, it directly turns on the networking mode.

d) Quickly Press Ten Times

Quickly press ten times, the Hub will restore to factory settings, erase all configuration parameters, networking parameters, etc.

4.Certification & Reliability Test

No.	Country/Region	Certification	Status
1	Mainland China	SRRC	OK
2		Quality Report	OK
3		RoHS-CN	OK
4	Global	BQB	OK
5		WFA	OK
6		HomeKit	OK
7	North America	FCC	OK
8		IC	OK
9		TPCH	OK
10		California 65	OK
11	European Union	CE	OK
12		REACH-209+PAHs	OK
13		ROHS-EU	OK
14		WEEE	OK
15		POPs	OK
16	Korea	KC	OK
17	Russia	FSS	Applying

18		FAC	Applying
19		EAC COC	Applying
20		EAC ROHS	Applying