

# Home Automation Controller

## OliverIQ Home Automation Controller (Gen 1)

### User's Guide



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## 1. Safety Information

Read and understand all instructions before using this product. If damage is caused by failure to follow the instructions, the warranty does not apply.

### 1.1 Warning

To reduce the risk of electric shock, DO NOT remove the cover (or back).

DO NOT attempt to repair the product, this could lead to the risk of injury, damage to the product .

To reduce the risk of fire or electric shock, keep this product away from exposed direct sunlight, naked flames or heat, large amounts of moisture, dust, and sand.

FCC Note (for U.S.A)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on.

The user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Consult the dealer or an experienced radio/TV technician for help.
- This class B digital product meets all requirements of the Canadian Interference - Causing Equipment Regulations.

## **1.2 Precautions**

### **Important Safety Instructions**

Read these operating instructions carefully before using the unit. Follow all the safety instructions listed below.

Keep these operating instructions handy for future reference.

1.2.1 Read these instructions.

1.2.2 Keep these instructions.

1.2.3 Heed all warnings.

1.2.4 Follow all instructions.

1.2.5 DO NOT use this apparatus near water.

1.2.6 DO NOT clean with any chemical detergent. Clean only with a dry cloth.

1.2.7 DO NOT block any ventilation openings. Install in accordance with the manufacturer's instructions.

1.2.8 DO NOT install near any heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.

1.2.9 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where it exits the apparatus.

1.2.10 Only use attachments/accessories specified by the manufacturer.

1.2.11 Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

1.2.12 Unplug this apparatus during lightning storms or when unused for long period of time.

1.2.13 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

## **1.3 Handling Cautions**

1.3.1 DO NOT expose this apparatus to dripping or splashing. Do not put objects filled with liquids, such as vases on the apparatus.

1.3.2 To turn this apparatus off completely, you must pull the power plug out of the wall socket. Consequently, the power plug must be easily and readily accessible at all times.

1.3.3 DO NOT plug multiple electric devices into the same wall socket. Overloading a socket can cause it to overheat, resulting in a fire.

1.3.4 Before connecting other components to this player, be sure to turn them off.

1.3.5 If the product makes an abnormal noise or produces a burning smell or smoke, turn off the power switch immediately and disconnect the power plug from the wall outlet. Then, contact the nearest customer service center for technical assistance. Do not use the product. Using the product as it is may cause a fire or an electric shock.

## **2. Introduction**

### **2.1 Package Contents**

Home Automation Controller

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USB-C power Cable

Power Adapter, Input: AC100 ~ 240V, 50/60Hz, Output: 5V/3A

### **2.2 Product Features**

Quad-core Cortex-A7 up to 1.2GHz CPU, Mali-400MP2 GPU, DDR is 1GB, EMMC FLASH is 8GB

Debian 11 OS

1\*USB-C for Power Supply

Support 2.4G/5.8G duan band WiFi and Bluetooth 4.0

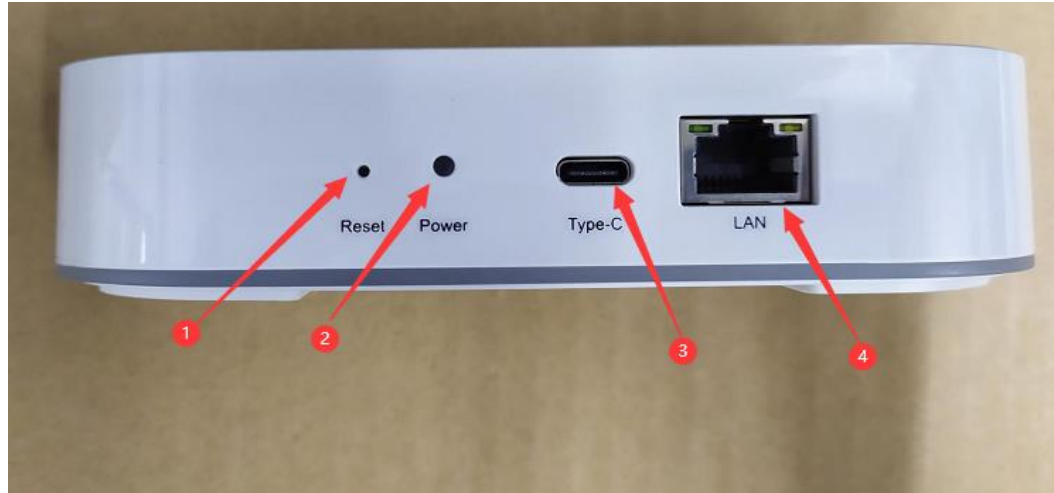
1\*10/100M LAN interface

1\*Zigbee module (built-in)

1\*Zwave module (built-in)

## 2.3 Panel Introduction

### 2.3.1 BOARD FRONT VIEW



No.	Name	Description
1	Reset	*1
2	LED indicator for Power	*1
3	USB-C for power supply	*1
4	10/100 Mbps Ethernet port	*1

### 3. Repairs

If you contact us to repair your Home Automation Controller, an administration fee may be charged if either:

An engineer is called out to your home at your request and there is no defect in the product.

You bring the unit to a repair center and there is no defect in the product.

We will provide you with the amount of the administration fee before we make a home visit or begin any work on your player.

We recommend you read this manual thoroughly, search for a solution on line at [www.geniatech.com](http://www.geniatech.com), or contact Geniatech Customer Care before seeking to repair your player.

### 4. Specification

CPU	Rockchip 3128 Quad-core Cortex-A7 up to 1.2GHz
GPU	Mali-400MP2 GPU
RAM	1GB
ROM	8GB
OS	OS Debian 11
Power	Type-C
LAN	Ethernet 10/100M
Wi-Fi	2.4G / 5.8G dual band WiFi
BT	BLE 4.2
RF module	Zigbee, Zwave
Video	Supports MP3, AAC, WMA, RM, FLAC, Ogg Vorbis ,Opus,SRS
Encoder	Truvolume, Support video encoder for H.264 UP to HP@level4.1, MVC and VP8 Support error resilience based on constrained intra prediction and slices Input data format: YCbCr 4:2:0 planar, YCbCr 4:2:0 semi-planar YCbYCr 4:2:2 CbYCrY 4:2:2 interleaved RGB444 and BGR444 RGB555 and BGR555 RGB565 and BGR565 RGB888 and BRG888

RGB101010 and BRG101010

Image size is from 96x96 to 1920x1088(Full HD)

Video Decoder Real-time video decoder of MPEG-1, MPEG-2, MPEG-4,H.263, H.264, H.265,VC-1, VP8, MVC  
Output data format is YUV420 semi-planar, and YUV400(monochrome) is also supported for H.264  
H.265 up to MP Level 4.1 High Tier : 1080P@60fps  
H.264 up to HP level 4.21080p@60fps  
MPEG-4 up to ASP level 51080p@60fps  
MPEG-2 up to MP1080p@60fps  
MPEG-1 up to MP1080p@60fps H.263576p@60fps  
VC-1 up to AP level 31080p@30fps VP81080p@60fps  
MVC1080p@60fps

Size 85 mm \* 56 mm \* 16 mm  
Net Weight 45g



## **ISED Statement**

**- English: This device complies with Industry Canada license - exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device. The digital**

**apparatus complies with Canadian CAN ICES - 3 (B)/NMB - 3(B).**

**- French: Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radio électrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.**

**This radio transmitter has been approved by Industry Canada to operate with the antenna types listed with the maximum permissible gain indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.**

**Le présent émetteur radio a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.**

## **ISED Radiation Exposure Statement**

**This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.**

**D'éclaration d'exposition aux rayonnements**

**L'appareil respecte les limites d'exposition aux rayonnements établies par la ISED pour les environnements non contrôlés. Lors de l'installation et de l'utilisation de cet appareil, la distance minimale entre le radiateur et votre corps doit être de 20 cm.**

**the device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems**

**Installations fonctionnant dans la bande 5150-5250 MHz destinées à une utilisation intérieure uniquement afin de réduire les risques de brouillage préjudiciable pour les systèmes mobiles par satellite dans le même canal**

## **FCC Warning**

**This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.**

**Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.**

**NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:**

- **Reorient or relocate the receiving antenna.**
- **Increase the separation between the equipment and receiver.**
- **Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.**
- **Consult the dealer or an experienced radio/TV technician for help.**

## **Radiation Exposure Statement**

**This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.**