Icontrol One Link

CH-1000

User Guide

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Document Version: 1.1

Chapter 1
Introduction

This Chapter provides an overview of the Icontrol One Link's features and capabilities.

Congratulations on the purchase of your new Icontrol One Link. This device is a primary controller and gateway, which includes Wi-Fi and Z-Wave home automation radios, providing connectivity to security systems and devices (including cameras and sensors).

Package Contents

The following items should be included:

- The Icontrol One Link Unit x 1
- Ethernet Cable x 1
- Quick Installation Guide

If any of the above items are damaged or missing, please contact your dealer immediately.

Features

- MT7620A processor with128MB Flash and 128MB SDRAM
- One Ethernet port with RJ45 connector
- Front panel LEDs
- Z-Wave transceiver
- WPS button
- Reset button
- AC power plug (US)
- Internal antenna for Wi-Fi and Z-Wave

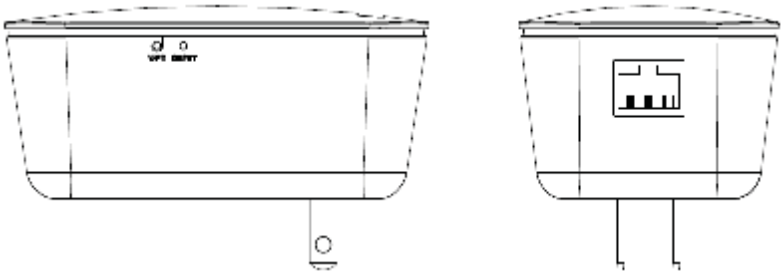
LEDs

Top-mounted LEDs

The Icontrol One Link has four LEDs.

Service	• **On** (Green) - The CPE device is activated in iControl network. • **Off** - The CPE device is not activated in iControl network. • **Flashing** - The CPE device can not communicated with iControl network.
Wi-Fi	• **On** - Wi-Fi device attached. • **Off** - Wi-Fi connection is not available or no Wi-Fi device attached. • **Flashing** - WPS function is activated.
Z-Wave	• **On** (Green) - Z-Wave devices attached. • **Off** - Z-Wave function disabled, or no Z-Wave devices attached. • **Flashing** - Learn/exclusion/inclusion mode on.
POWER	• **On** (Green) - Power On/Normal operation • **Off** - Power Off • **Flashing** - Booting or Firmware upgrade.

Rear/Side Panel



WPS Button	Use a clip to press the WPS button on the device and on your other wireless device to perform WPS function that easily creates an encryption-secured wireless connection automatically.
RESET	This button has two (2) functions: • **Reboot**. When pressed and released, the Icontrol One Link will reboot (restart). • **Clear All Data**. This button can also be used to clear ALL data and restore ALL settings to the factory default values. To Clear All Data and restore the factory default values: 1. Power On. 2. Use a clip to press the Reset button and keep holding for 15 seconds. 3. Release the Reset Button. The Icontrol One Link is now using the factory default values.
ETHERNET Port	Use standard LAN cable (RJ45 connector) to connect your router to the port.
Ethernet Activity/Link LED	• On - Ethernet connection established, but the connection is idle. • Off - Ethernet connection is not available. • Blink - Data is being transmitted or received via Ethernet connection.

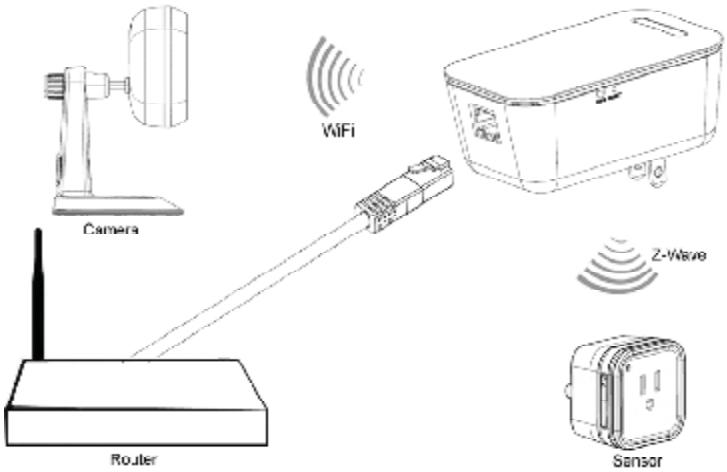
Chapter 2
Initial Installation

This Chapter covers the installation of the Icontrol One Link.

Requirements

- Use a standard 10/100BaseT network (UTP) cable with RJ45 connector.

Procedure



1. Choose an Installation Site

Select a suitable place to install the Icontrol One Link.

2. Connect LAN Cable

Use standard LAN cable to connect the router and the Ethernet port on the Icontrol One Link.

4. Power Up

Plug the Icontrol One Link into an outlet or extension cord.

5. Check the LEDs

- The *POWER* LED should be ON.
- The *Service* LED should be ON.

6. Connect Other Devices

Use the Icontrol One Link as a network coordinator to connect certified Z-Wave sensors and home surveillance devices.

Appendix A
Specification

Icontrol One Link

Model	CH-1000
Dimensions	97mm(W) * 60mm(D) * 40mm(H) (without plug)
Operating Temperature	0° C to 40° C
Storage Temperature	-20° C to 70° C
Network Protocol	TCP/IP
Network Interface	1 * 10/100BaseT (RJ45) WAN Port
LEDs	4
LAN LEDs	2
Antenna	2 * Wi-Fi Internal Antennas 1 * Z-Wave Internal Antenna
Power Adapter	AC Input 120V with US Plug

Regulatory Approvals

FCC Statement

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 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.

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

FCC Radiation Exposure Statement

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

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.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

IC Approvals

CAN-ICES-3 (B)/ NMB-3(B)

This device complies with RSS-210 of the Industry Canada 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.

Ce dispositif est conforme à la norme CNR-210 d'Industrie Canada applicable aux appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

Radiation Exposure Statement:

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

Déclaration d'exposition aux radiations:Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.