

# **NA503S-4G**

## **Multiple RF Home Gateway**



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# User Guide

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# Chapter 1



## Introduction

*This Chapter provides an overview of the Multiple RF Home Gateway's features and capabilities.*

Congratulations on the purchase of your new Multiple RF Home Gateway. The Multiple RF Home Gateway is a consumer electronic device, which is designed to bridge all appliances of your home, from IP cameras to sensors, and allow you to monitor and manage them over the Internet. Most of the devices can be paired with the gateway via a single button push.

### Package Contents

The following items should be included:

- Multiple RF Home Gateway Unit x 1
- Power Adapter x 1
- Ethernet Cable x 1

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

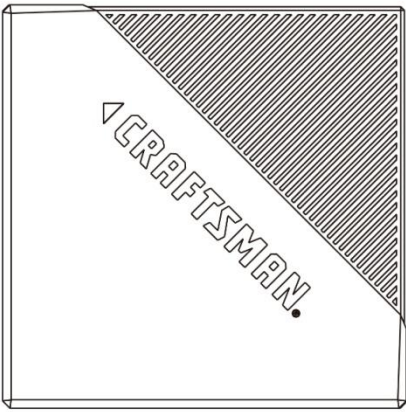
### Features

- iMX7 processor with 512MB Flash and 512MB RAM
- One 10/100/1000 Ethernet port with RJ45 connector
- Front Panel LEDs
- Z-Wave Transceiver
- ZigBee Transceiver
- BLE Transceiver
- 4G Wireless
- Battery Backup (12 hours above)
- SIM Card Slot
- Built-in Siren
- Internal antenna for WiFi, ZigBee, Z-Wave, BLE and 4G

# LEDs

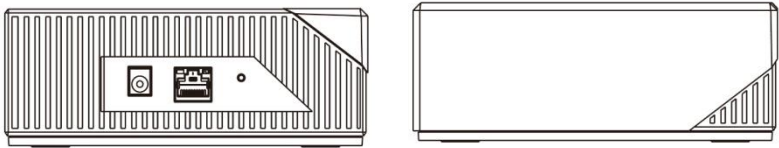
## Front Panel

The Multiple RF Home Gateway has 1 Multi-Color LEDs.



|                      |                                                                                                                          |
|----------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>POWER (Green)</b> | <ul style="list-style-type: none"><li>• <b>On</b> - Power On/Normal Operation</li><li>• <b>Off</b> - Power Off</li></ul> |
|----------------------|--------------------------------------------------------------------------------------------------------------------------|

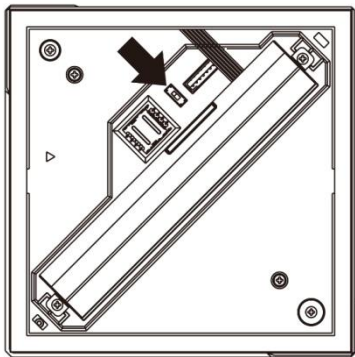
## Rear/Side Panel



|                      |                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Power Port</b>    | Connect the supplied power adapter here.                                                                                                                                                                                                                                                                                                                                                           |
| <b>ETHERNET Port</b> | Use a standard LAN cable (RJ45 connector) to connect your PC to the port.                                                                                                                                                                                                                                                                                                                          |
| <b>Reset</b>         | <p>This button has two (2) functions:</p> <ul style="list-style-type: none"><li>• <b>Reboot.</b> When pressed and released, the Multiple RF Home Gateway will reboot (restart).</li><li>• <b>Clear All Data.</b> This button can also be used to clear ALL data and restore ALL settings to the factory default values.</li></ul> <p>To Clear All Date and restore the factory default values:</p> |

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# Button Panel



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## Battery on/off switch

- **On** – System is powered by battery (default).
  - **Off** – System is not powered by battery, but could be charged if AC adapter is plugged into device.
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## Chapter 2

# 2

# Initial Installation

*This Chapter covers the software installation of the Multiple RF Home Gateway.*

## Requirements

- Use a standard 10/100/1000 Base T network (UTP) cable with RJ45 connector.

## Procedure

### 1. Choose an Installation Site

This Gateway is designed for using in fixed position.

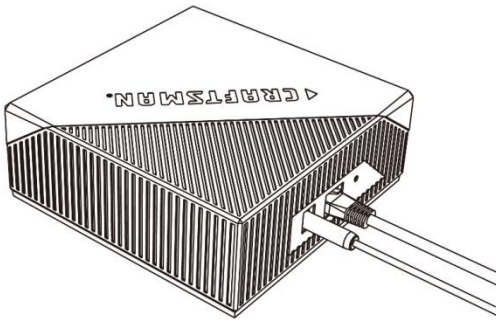
Please select a suitable place to install the Multiple RF Home Gateway.

### 2. Connect LAN Cable

Use a standard LAN cable to connect the device to the Ethernet port on the Multiple RF Home Gateway.

### 3. Power Up

Connect the supplied power adapter to the Multiple RF Home Gateway. Use only the power adapter provided. Using a different one may cause hardware damage.

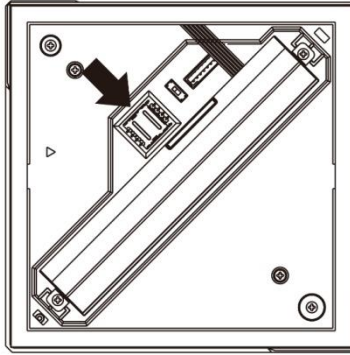


### 4. Check the LEDs

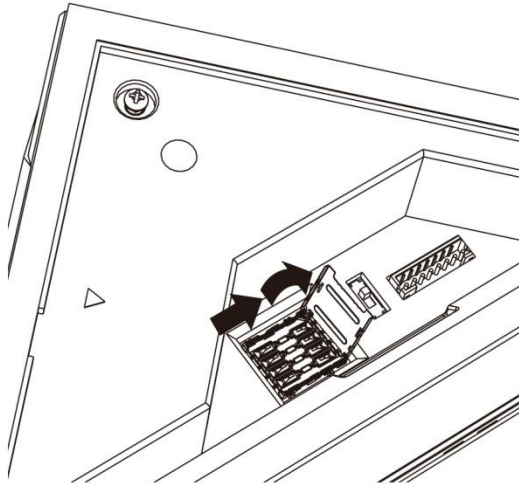
- The *Power* LED should be ON.

## SIM Card Installation

1. Ensured the device is powered off.
2. Remove the screws on the back cover of the device with a screwdriver.
3. Find the location of the SIM card tray.



4. Push the SIM card cover upward.



5. Insert the SIM card into the slot. Make sure the SIM card is installed correctly.
6. Put the SIM card cover back.
7. Attach the back cover to the device with the screws.

## Chapter 3



# Configuration

*This Chapter provides Setup details of the Gateway.*

## Configuration

The Multiple RF Home Gateway can offer customers with seamless communication between devices and clouds while at home or away. This gateway is designed to provide complete connectivity with all certified devices including cameras, security systems and WiFi/ZigBee/Z-Wave/BLE client devices.

### Preparation

Before attempting to configure the Multiple RF Home Gateway, please ensure that:

- Your PC can establish a physical connection to the Multiple RF Home Gateway. The PC and the Multiple RF Home Gateway must be directly connected (using the Hub port on the Multiple RF Home Gateway) or on the same LAN segment.
- The Multiple RF Home Gateway must be installed and powered ON.

After completing the preparation, the Multiple RF Home Gateway is ready to be used.



# Appendix A

## Specifications



### Multiple RF Home Gateway

|                       |                                            |
|-----------------------|--------------------------------------------|
| Model                 | Multiple RF Home Gateway                   |
| Dimensions            | 145mm(W) * 145mm(D) * 540mm(H)             |
| Operating Temperature | 0° C to 40° C                              |
| Buttons               | 1                                          |
| Network Protocol:     | TCP/IP                                     |
| Network Interface:    | 1 * 10/100/1000BaseT (RJ45) LAN connection |
| LEDs                  | 1                                          |
| Battery               | 2S1P 18650 Battery                         |
| SIM Card Slot         | 1                                          |
| Power Adapter         | 12V, 2A                                    |

### Regulatory Approvals

#### FCC Statement

##### Federal Communication Commission Interference Statement

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 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.

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FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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.

**IMPORTANT NOTE:**

**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 & your body.

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

Country Code selection feature to be disabled for products marketed to the US/CANADA