

MX-HomePro MXHP-H500 Hub Owner's Manual



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Important Notices

Please read this manual in its entirety before operating your MX-HomePro system for the first time. Do not attempt to disassemble the H500 hub; there are no user-serviceable parts inside. Use only the AC Adapter that is supplied with the unit. Do not expose for extended periods of time to excessive heat, moisture or direct sunlight. Clean only with a soft, dry cloth. Changing the physical location of this unit to a place other than where originally installed may negatively affect performance.

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Introduction

The MX-HomePro MXHP-H500 Network Hub controls electronic components in your home (audio/video and home entertainment devices, lighting, climate control, security systems, etc.) by sending coded infrared and Ethernet commands wirelessly or via wires that are installed by your smart home professional.

In the majority of installations, this hub functions with little or no interaction with the user. Please read the precautions on page 5 of this publication.

By using the MX-HomePro Mobile Android or iOS app on your smartphone or tablet in conjunction with the MX-HomePro Hub, two-way control of your connected devices is enabled. "Two-way" means that in addition to data being sent to an electronic component (like a Sonos® Music Player, for example) data is also returned to your phone or tablet so that you can see graphic representation of the current status, including "What's Playing" and Volume.

Adding a handheld MXHP-R500 Remote Control to the system provides the same two-way performance. The MXHP-R500 is the perfect accessory companion for your television room or bedroom night table.

It's also possible to expand control to other rooms or areas of your home. MXHP-H500 Hubs can be installed in up to

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eight rooms using the same local network used for Internet access.

The MX-HomePro MXHP-H500 Hub is a network-based product and requires the use of a previously installed or custom local area Wi-Fi network (LAN).

For handy reference, we suggest that you record the name and contact information of the professional who installed your system on this page.

MX-HomePro MXHP-H500 Hub



Important Notices

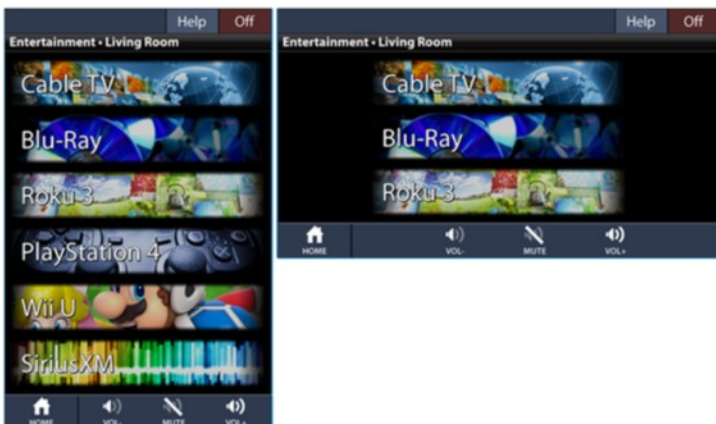
Do not attempt to disassemble the H500 hub; there are no user-serviceable parts inside. Use only the AC Adapter that is supplied with the unit. Do not expose for extended periods of time to excessive heat, moisture, or direct sunlight. Clean only with a soft, dry cloth. Changing the physical location of this unit to a place other than where originally installed may negatively affect performance.

MX-HomePro MXHP-R500 Remote Control



Using a MX-HomePro MXHP-R500 Remote Control with a MXHP-H500 Hub allows for control of home accessories such as lighting, thermostats, and security as well as control of your audio and video devices. The MXHP-R500 Remote Control is a Wi-Fi based remote control and does not use "line of sight" infrared or low frequency RF. It's the perfect accessory companion for your television room or bedroom night table.

MX-HomePro Android and iOS Mobile



When used with the MXHP-H500 Hub, the MX-HomePro "Entertain" Android and iOS Mobile apps provide full control of your audio and video components, without the need for a "point and shoot" infrared remote control. The MX-HomePro Mobile Application also provides advanced IP command and control of network based equipment. Use the MX-HomePro "Automate" app to control your Z-Wave Lights, Thermostats, Door Locks and

Features and Benefits

●Connect with Wi-Fi or Wired Ethernet

Your smart home professional will Connect the MXHP-H500 Hub to a wired local Ethernet network, or connect wirelessly to a local wireless Ethernet network. The Wi-Fi capability of the MXHP-H500 provides installation flexibility.

●Two-way meta-data feedback

Experience two-way feedback right on the your smart phone, tablet or optional MXHP-R500 remote's screen when used with compatible home devices like thermostats, lighting, or selection of IP Cameras. Full two-way control of Sonos and Nest is available on the MXHP-R500 Remote Control and via MX-HomePro Mobile apps. Enjoy the same feedback when used in conjunction with an ever expanding line of 3rd party products.

Before Getting Started

- Designed for use on your local wireless network
The MXHP-H500 Hub is designed for use on your local wired or wireless network, much in the same way your tablets or laptop computers do. By adding a MXHP-R500 Remote Control, or the MX-HomePro Mobile Application on iOS and Android devices, the MXHP-H500 Hub controls your home's audio/video devices. Add a TRF-ZW Z-Wave Gateway to control your home's Z-Wave lighting, thermostats and door locks.
- Programmable via a professional web page interface
Your smart home professional programmed your MX-HomePro system to fully automate your home entertainment, comfort and security devices. Further

Parts Guide

What's included in this MXHP-H500 Hub box:

- MXHP-H500 Hub
- 12 Volt 1000 mA Power Supply
- Ethernet Network Cable
- Four Standard Infrared Emitters
- One Wall Mounting Plate with Four Mounting Screws

Notice

The following sections contain information that is useful to the installer. It's not necessary for you to learn or remember any of the details. However, we still recommend that you read them so that you are fully aware of the functions and capabilities of your MX-HomePro system.

Rear Panel Descriptions

Infrared Outputs

The rear panel of the MXHP-H500 Hub supplies houses four infrared emitter ports, allowing for control of any audio/video device normally controlled by a simple "point and shoot" infrared remote control.



Self-adhesive "flashers" (included) affix to the front panels of your television, Blu-ray player and other equipment. Thin wires connect the flashers to the infrared output ports, shown above.

Ethernet LAN Connection/Wi-Fi

A standard Ethernet LAN Connection port is provided, for a so-called "hard-wired" connection to a local network via a Cat5 cable (included). The MXHP-H500 also supports a wireless Ethernet (Wi-Fi) connection to the same local network used for Internet access.



Controlling Other Network Devices (IP Control)

The MXHP-H500 Hub can also control other IP- controllable equipment that is connected to the same local network. The MXHP-H500 Hub can send "one-way" IP commands to other network devices, such as televisions, projectors and audio/video receivers.

DC Power Input

The unit is powered by a AC Power Adapter that plugs into the input port shown below. The power supply is a 12 Volt, 1 Ampere supply. Use only the AC Adapter that is supplied with the unit.



Front Panel Description

The front panel of the MXHP-H500 Hub houses an infrared "blaster." The MXHP-H500 Front Panel Blaster sends infrared commands to components in the same cabinet, or in the line-of-sight of the MXHP-H500 Hub.



The Front Panel Infrared Blaster can be enabled or disabled via the MX-HomePro Web Programming Software. Your professional installer programmed your Hub to use either the rear panel infrared emitter outputs, or the front panel infrared blaster, never both.

The Front Panel Infrared Blaster of the MXHP-H500 Hub can also be used for "learning" infrared commands from another remote control. Any "learned" infrared command will be saved by the MX-HomePro Web Page Programming Software.

Top Panel Description

The top panel of the MXHP-H500 Hub provides features three LED indicators, that display the status of the MX-HomePro Hub.

Power LED

This LED illuminates blue when the DC Power Supply is applied.



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Status LED

The Status LED has six possible states.

Blue: This LED illuminates blue when the MXHP-H500 is connected to the MX-HomePro server and fully programmed to control your home system.

Red: This LED illuminated red when the MXHP-H500 Hub is connected to the MX-HomePro server, but has not been programmed to control your home system yet.

Green: The LED illuminates green when the MXHP-H500 Hub is operating in a secondary room within the system.

Blinking Red: The LED blinks red when the MXHP-H500 cannot connect to the MX-HomePro server. Please check your network connections.

Blinking Green: The LED blinks green when the MXHP-H500 firmware is being updated.

Blinking Blue: The LED blinks blue when being programmed by the MX-HomePro server.



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Wi-Fi LED

The Wi-Fi LED has six possible states.

Blue: This LED illuminates blue when the MXHP-H500 Base Hub is connected to your network via a Wi-Fi signal, with excellent signal strength.

Green: This LED illuminates green when the MXHP-H500 is connected to your network via a Wi-Fi signal, with good signal strength.

Yellow: This LED illuminates yellow when the MXHP-H500 Hub is connected to your network via a Wi-Fi signal, with fair signal strength.

Red: This LED illuminates red when the MXHP-H500 Hub is connected to your network via a Wi-Fi signal, with poor signal strength.

Blinking Red: The LED blinks red when there is an error connecting to your network wirelessly.

Off: The LED is off when the MXHP-H500 is connected to your local network via wired Ethernet.



Bottom Panel

Reset Button

A single, momentary press of the Reset button REBOOTS of the MXHP-H500 Hub, similar to removing, and reapplying the DC power source. DO THIS **ONLY** IF INSTRUCTED TO DO SO BY YOUR INSTALLER OR BY MX-HomePro TECHNICAL SUPPORT.



Pressing and holding the Reset button for ten seconds results in setting the MXHP-H500 Hub to a "factory default" state. All user data and programming will be erased **and your system will not operate until reprogrammed.**

DO THIS **ONLY** IF INSTRUCTED TO DO SO BY YOUR

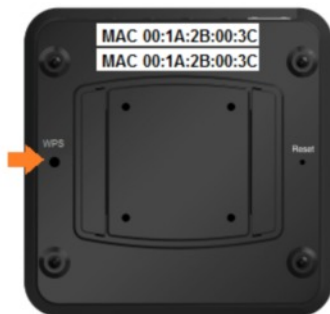
MAC Address Stickers

Two MAC Address stickers are provided located on the bottom panel of the MXHP-H500 Hub. MAC is an acronym for "media access control." This unique address is used to identify your Hub on the network and on our Cloud Server.



WPS Button

A WPS Button is provided, allowing the MXHP-H500 Hub to be installed on a Wi-Fi network using the "WPS" method (Wi-Fi Protected Setup). This control is used by your professional installer.



Removable Mounting Plate

A removable mounting plate, along with the four provided mounting screws, can be used to mount the MXHP-H500 to a flat surface, such as a ceiling, a wall, or an entertainment center.



Network Installation

The MXHP-H500 Hub can be installed using a Wi-Fi wireless Ethernet connection, or a traditional hard-ward ethernet connection.

When installing the MXHP-H500 Hub for the first time, your installer must perform one of the two following steps:

-Connect the MXHP-H500 Hub to your the wireless access point by using the WPS button on the MXHP-H500 Hub, and your the one on the wireless access point. When successfully connected to the wireless access point, the Wi-Fi LED on the MXHP-H500 will glow either blue, green, yellow or red, based on Wi-Fi signal strength. Setup is now complete. If you wish to set specific network settings, see section below.

Or

-Connect the MXHP-H500 Hub to the local Ethernet



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When the Status LED illuminates red, use the MXHP-R500 Remote Control to set the network properties of the MXHP-H500 Hub.

Note that the MXHP-R500 Remote Control is *required to be on the same local Ethernet network as the MXHP-H500 Hub* to set the network properties of the MXHP-H500 Hub.

To set the network properties of the MXHP-H500 Hub, simply insert the battery into the remote control and follow the screen prompts. Setting up the MX-HomePro system is similar to setting up a new tablet or mobile phone for the

Hub Programming

Each MXHP-H500 Hub requires professional programming for control of the equipment within your home. By connecting the MXHP-H500 Hub to the network, and adjusting its network properties with the MXHP-R500 Remote Control, the system can be programmed by the MX-HomePro Web Programming Interface.

When the system is programmed with the MX-HomePro Web Programming Interface, a backup of the system file is stored within the MX-HomePro server, and can be accessed and edited at anytime by a smart home professional installer.

If a URC TRF-ZW2 is added to a MX-HomePro system to enable Z-Wave compatibility, additional programming

Specifications

IR Range(Line of Sight via Infrared) : 30 to 50 feet, depending on the environment

Macro Capability: Up to 255 steps each

Wi-Fi: IEEE 802.11b/g/n

Size: 1.18" H x 4.63" W x 4.63" D

Weight: 5.19 oz

Power : 12V DC 1A

Limited Warranty Statement

End User Agreement

The terms and conditions of the End User Agreement available at

www.universalremote.com/eua.php apply.

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

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equipment off and on, the user is encouraged to try to correct the interference by one 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.

Warning!

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

Note: : The manufacturer is not responsible for any Radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

FCC Caution

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. Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment. The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Federal Communication Commission (FCC) Radiation Exposure Statement

This remote device is approved as a hand-held and hand-operated only portable (relative to hand) device which is normally operated at 5 cm from a person's body.