APPENDIX H

: USER'S MANUAL

MX-14001
Owner's Manual

Complete Control®

Complete Control

MX-1400i
Owner's Manual

Introducing the MX-1400i

Thank you for purchasing URC's MX-1400i wand remote control. Its easy and intuitive use helps to simplify your life while adding control of more things than thought possible.

Online Support:
Complete Control is sold direct only and must be installed/program by a certified custom integrator.

End-User Support:
Visit the URC Home Page for product information, owner's manuals, and support contact information.

Contact Support:
Complete Control is a URC product sold direct only. For questions or assistance contact your Custom Installer/Programmer.

My Installer/Programmer

_____

_____

_____

Technical Support
Toll Free: 800-904-0800
Main: 914-835-4484
techsupport@urc-automation.com
Hours: 9:00am - 5:00pm EST M-F

Rev 1.0

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Congratulations!

Thank you for purchasing the MX-1400i Wi-Fi remote control for your Complete Control system. The MX-1400i communicates with your Complete Control system via the local wireless network to control devices throughout your home/business.

Use the MX-1400i to navigate through rooms, menus, and control your system's audio/video devices, climate, lighting, and more.

Features & Benefits

- **Quick Connect Wi-Fi:**
  When woken up, the remote connects to the wireless network (**2.4 GHz**) almost instantly for control of your system and devices.

- **Two-way Metadata Feedback:**
  Experience feedback directly on the MX-1400's 2.4" display when used with an ever expanding line of 3rd Party modules such as HEOS, Ecobee, Sonos, Roku and many more.

  Consult with your certified URC integrator to learn more about compatible 3rd party integration.

- **Voice Assistant Ready:**
  Enable the built-in **Amazon Alexa** service to send commands verbally directly from the remote by pushing the press-to-talk microphone button

- **H264 IP Camera Support:**
  View almost any security camera directly on the MX-1400's display. The MX-1400i supports high quality camera streams. Ask your certified URC integrator for further details.

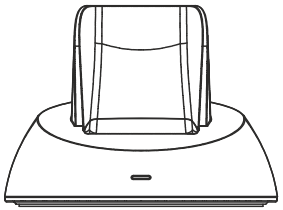
Requirements & Compatibility

- **Complete Control:**
  The MX-1400i requires an MRX Advanced System Controller on the network and must be programmed by a certified Complete Control integrator. When programmed, the MX-1400i is capable of controlling devices around the home/business without being within "line-of-sight" of the equipment by sending commands over the wireless (Wi-Fi) network.

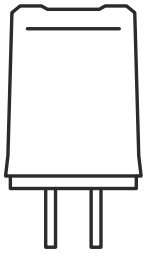
Parts

- MX-1400i Wi-Fi Remote Control
- Li-ion Rechargeable Battery
- Charging Cradle
- Power Adapter
- USB Type C-Cable

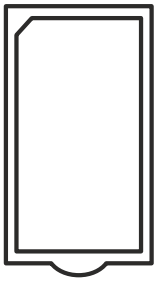
MX-1400i



Charging Cradle



Power Adapter



Rechargeable Battery

USB Type C Cable

Connecting the Battery Pack

A battery is included in the box when shipped from the factory. Press the spring lock down to unlock and remove the cover. Place the battery into the battery compartment, making sure to align the contacts on the battery with the contacts within the MX-1400's battery compartment. The battery snaps into place when aligned properly. Replace the battery cover.

Using the Charging Cradle

Plug the 5V DC adapter into a power outlet and into the rear of the charging cradle. Gently place the MX-1400i into the cradle, so that the remote automatically aligns itself to the contacts on the charging cradle. The status light immediately illuminates.

It is possible to connect the USB Type C cable directly into the bottom of the MX-1400i.

There are three (3) Status light conditions:

- **Red:** Indicates the the remote's battery is charging
- **Blue:** Indicates that the remote's battery is off the charging dock
- **White:** Indicates that the remote's battery is fully charged

Two-way via Wi-Fi (2.4 GHz)

The MX-1400i has the capability of providing two-way control of supported devices directly on the 2.4" LCD touch-screen display. These devices must be configured in the Complete Control program file. Consult your custom integrator for additional details.

Using the MX-1400

The Main Menu pages display activities and/or devices. Press the Main button to access the Main Menu. Larger systems may have more than one (1) page. Press either of the Page buttons to view additional Main Menu pages.

Although the MX-1400i is programmed with custom layouts and devices, there are persistent buttons that maintain a steady function:

A. Power On: With a single press of this button, the Complete Control system turns on all the devices of the current room.

B. Room Off/House Off: With a single press of this button, the Complete Control system turns off all the devices of the current room. Press-n-hold this button for greater than three (3) seconds to display the system's Power Menu. This menu allows the user to turn off the room, the entire system, or any custom activity programmed by the custom integrator.

C. Capacitive Touch Screen: The specific function of each button is linked to the screen icon associated to the LCD screen. These buttons are used to select activities, devices, functions, navigate, and more. Speak with your custom integrator for more details.

D. Page Left/Right: These buttons are used to navigate through the various Main Menu and Device/Activity Menu pages.

E. Main: By default, this button returns the user to the previous menu.

F. Vol+, Vol-, & Mute: Used to increase, decrease, or toggle the mute status of the active audio device.

G. CH+, CH-, & Prev: Used to change a cable/SAT channel up or down or to navigate through a device's on-screen menus. The Prev button returns to the device's previous channel or can be used to return the user to a previous menu.

H. Microphone: Select this button to interact with the native voice assistant service. When pressed, the microphone activates and listens to your verbal commands. The microphone is shut off when the button is no longer pressed.

I. Navigation Keys: Comprised of up, down, left, and right. These buttons are used to navigate through the menus and/or devices.

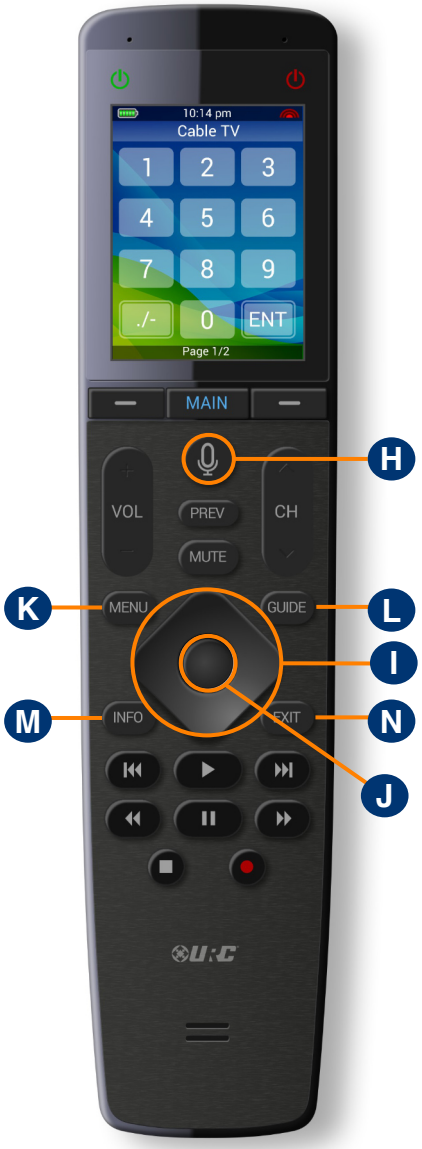
J. Select: Center button of navigation keys, used to confirm selections displayed on a viewing device.

K. Menu: Displays the on-screen menu of the active device.

L. Guide: Displays the channel guide for the device's on-screen display.

M. Info: Displays channel information for the device's on-screen display.

N. Exit: Closes out any open menus or guides on the display or returns to the previous menu.



O. Transport Buttons: These are the available buttons:

- (Play)
- (Pause)
- (Stop)
- (Record)
- (Skip+)
- (Skip-)
- (Rew)
- (FF)

Using Voice Control

The MX-1400i has the capability of using Amazon Alexa Voice Assistant to control programmed activities, devices, and more.

For instructions on how to enable the Alexa Voice service, refer to page 11.

The MX-1400i preserves your privacy with a push-to-talk button on the remote control. This means the Alexa Service is only listening when you want it too.

Custom activities and devices can be controlled via Alexa; however, configuration is required. Speak with your certified URC integrator for more details.

Issuing Voice Commands

Voice Commands can be issued easily and intuitively with the push-to-talk button. This button removes the need to say "Alexa…".

Simply press-n-hold the button and say phrases such as…

- "Turn on bedroom Blu-ray"
- "Turn on living room ESPN"
- "Turn off the kitchen lights"
- And much more…

The MX-1400i does not support the following Amazon Alexa features:

- Audio Playback via Amazon Music, Audible, or other music services.
- Alexa Drop-In, calls, or video calls
- No graphical feedback

Displaying the Setup Menu

The Setup Menu allows users to configure or change certain behaviors of the MX-1400i.

Enter the Setup Menu by pressing and holding the **Main and Select** (see image at the right) buttons for greater than five (5) seconds.

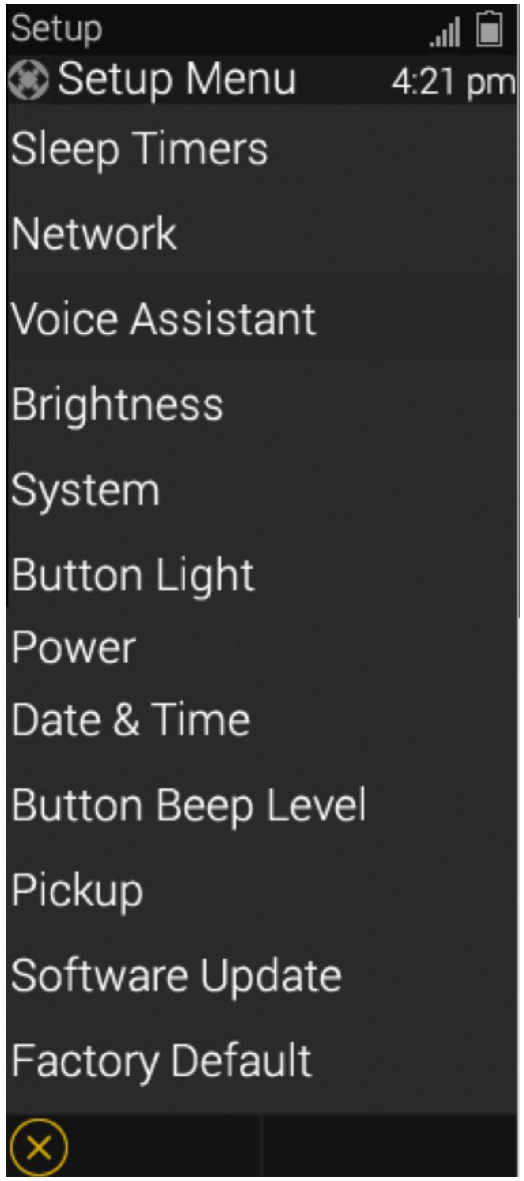
> The Setup Menu times out after 60 seconds and returns the MX-1400i to the system's Main Menu.

Use the up and down navigation buttons to maneuver between the two Setup pages. To select an option, highlight the desired setting and press the "Select" key at the center of the navigation keys.

To return to a previous page press the left page button (at the left of Main Menu). Press the Main or Exit button to return the remote to the Main Menu.

- **Sleep Timers**
- **Network**
- **Voice Assistant**
- **Brightness**
- **System**
- **Button Light**
- **Power**
- **Date & Time**
- **Button Beep**
- **Pickup**
- **Software Update**
- **Factory Default**

> Image on display presents all the options available on the two (2) Settings Menu pages.

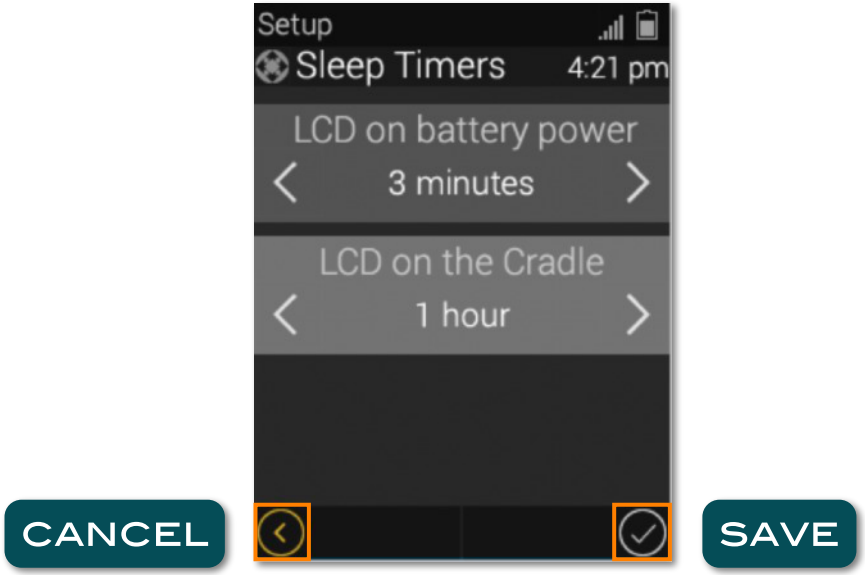


Sleep Timers

Adjust the amount of time the screen remains on when the remote is not in use. The time can be set independently based on whether the remote is using battery power or sitting on the charging cradle.

Once the settings are adjusted, press the **Save** button. Pressing **Cancel** reverts the remote to the last saved setting.

> Leaving the remote's display on for long periods of time may reduce your device's battery life.



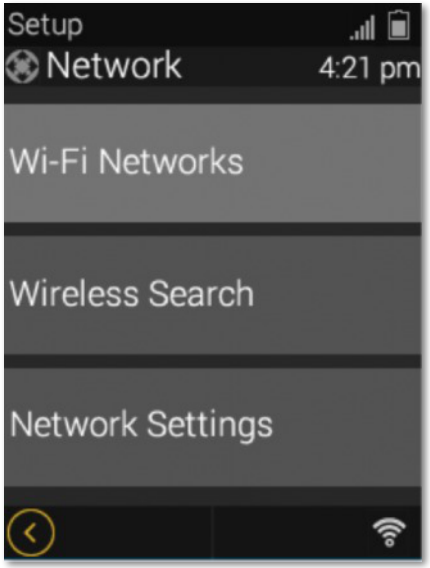
Network

The following options are displayed:

- **Wi-Fi Networks:** Displays all stored wireless networks. This option allows the user to connect to any network stored on the remote.
- **Wireless Search:** Select to connect to an available wireless network. SSID and Password may be required.
- **Network Settings:** Allows the user to configure the remote's network properties such as IP address, Gateway, DNS, and more.

WARNING! Only use this option when instructed by URC's Technical Support team or your custom install professional.

> Do not make changes on this screen. Changing network settings may lead to issues controlling the system.

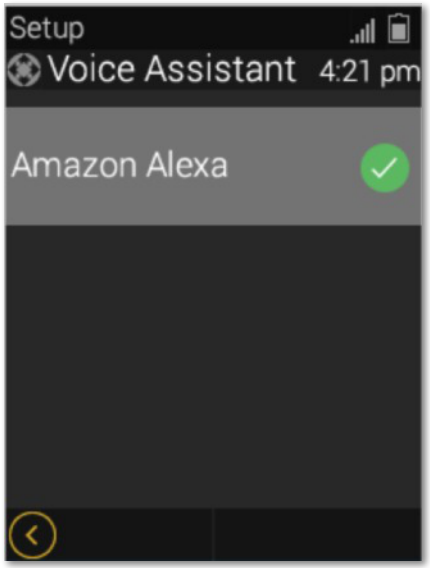


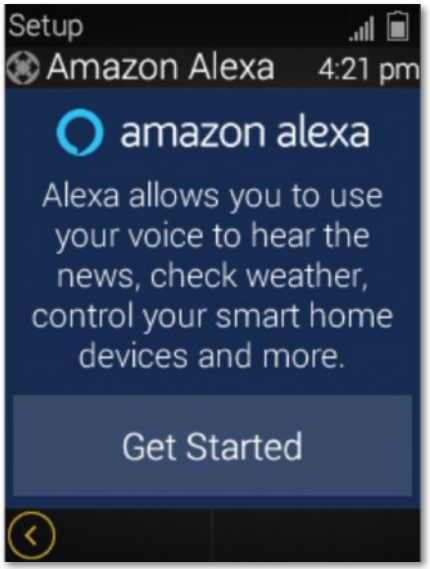
Voice Assistant
This Settings Menu option allows you to integrate your Complete Control system with voice assistant services such as Amazon Alexa.

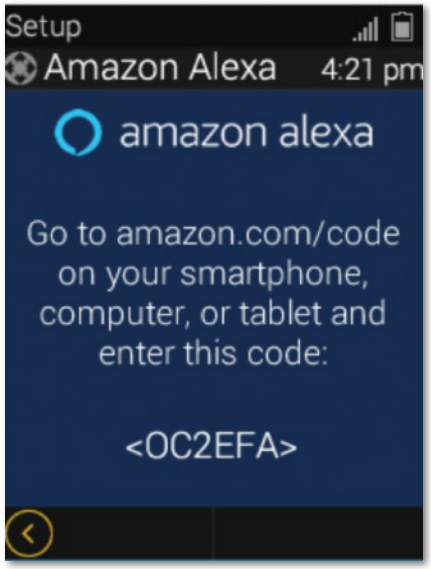
Choose the supported voice assistant service (Amazon Alexa) and follow the on-screen directions.

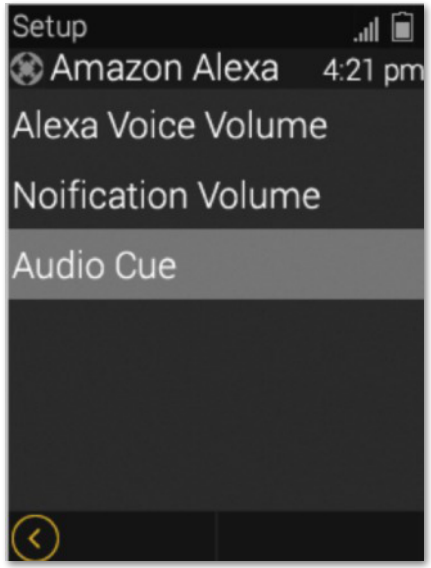
The Alexa setup menu provides a code that must be entered into the Amazon Alexa URL (displayed on the LCD screen of the MX-1400i).

Once enabled, use the push-to-talk button to control the Complete Control system or any other Alexa enabled device.





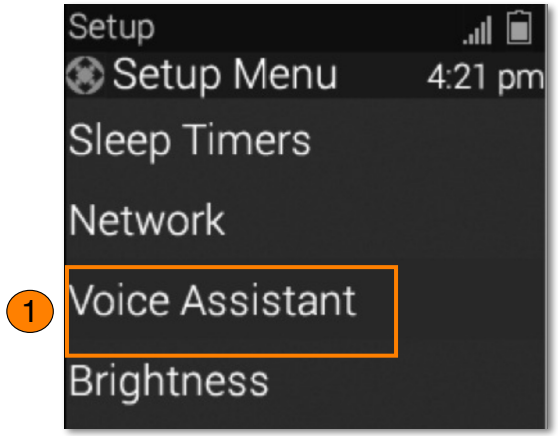




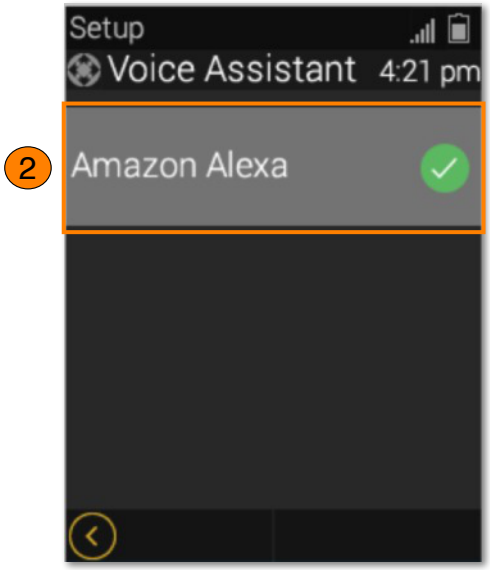
- **Alexa Voice Volume:** Adjust the volume of the Alexa service on the MX-1400i.
- **Notification Volume:** Adjust the volume for notification alerts.
- **Audio Cue:** Enable or disable the audio cue. It provides an audio "chime" that informs the user that the voice service is "listening".

Enabling Alexa
Follow these instructions to enable the Alexa Voice Assistant Service:

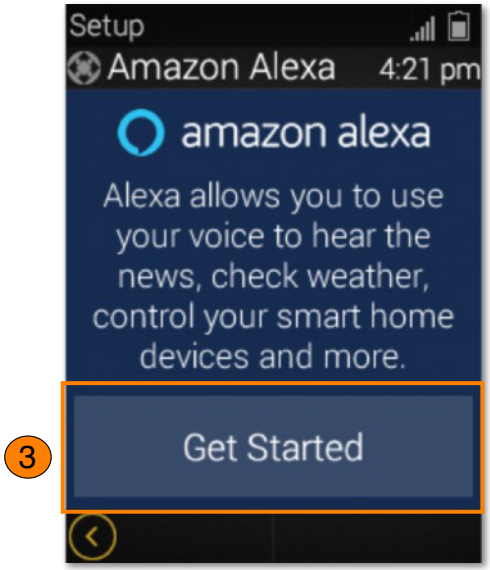
1. From the **Settings Menu**, select **Voice Assistant**.

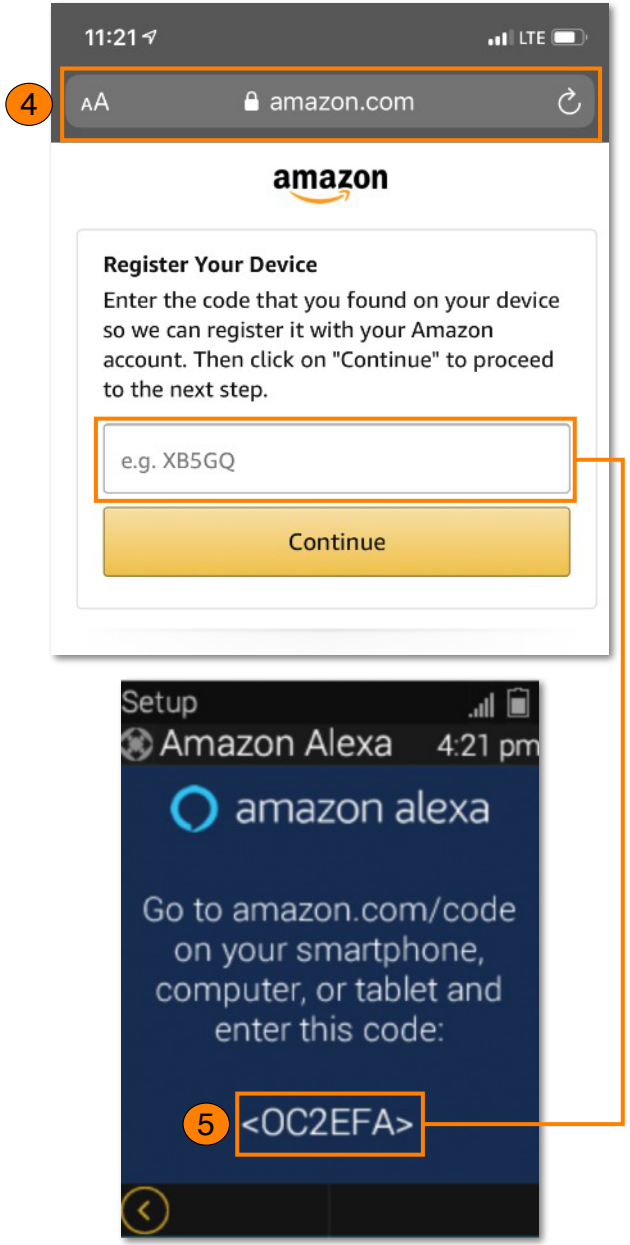


2. Select **Amazon Alexa**.



3. Select **Get Started**.





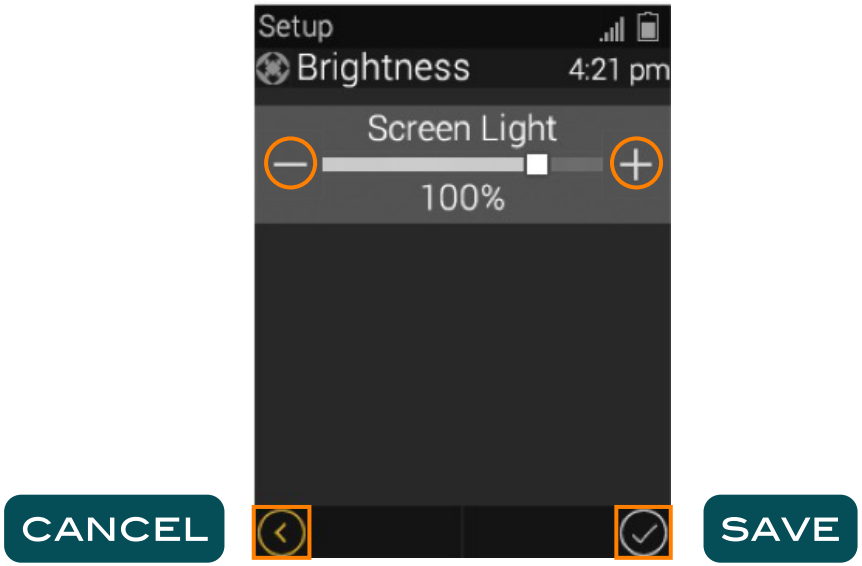
4. Open a web browser and navigate to amazon.com/code.

5. Enter the code displayed on the MX-1400i.

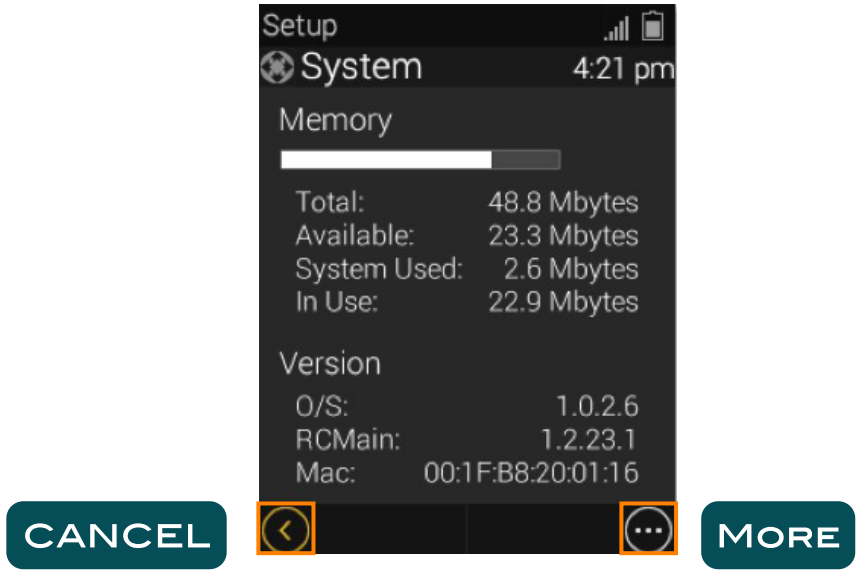
Brightness
Adjust the screen brightness by pressing the adjacent LCD buttons to increase or decrease the brightness level.

Once the brightness has been adjusted, press the **Save** button. Pressing **Cancel** reverts the remote to the last saved setting.

High brightness levels may reduce the MX-1400's battery life.



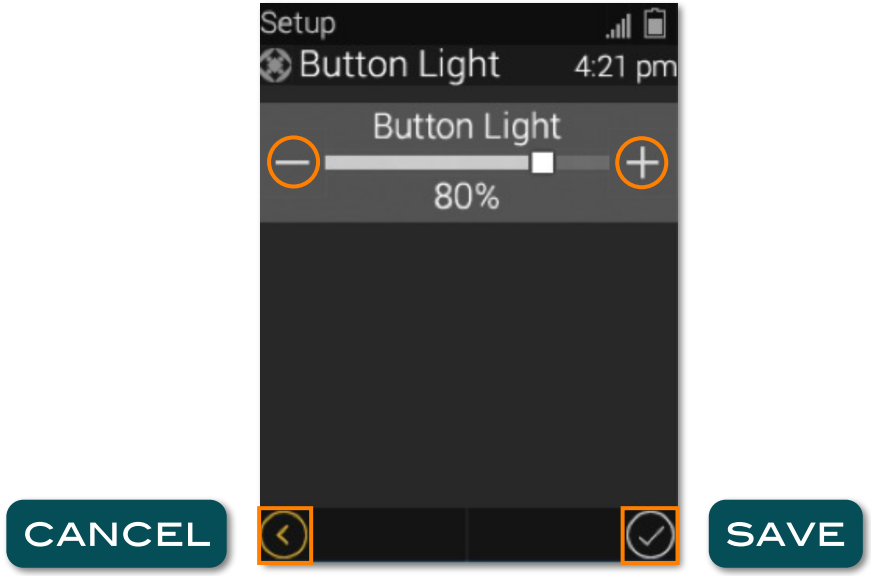
System
Displays information about the remote's operating system, memory, etc. Press the **More** button to view further system information. Pressing the **Cancel** button exits to the remote's Setup Menu.



Button Light
Adjust the brightness of the remote's button backlighting. Press the adjacent LCD buttons to increase or decrease the button backlighting.

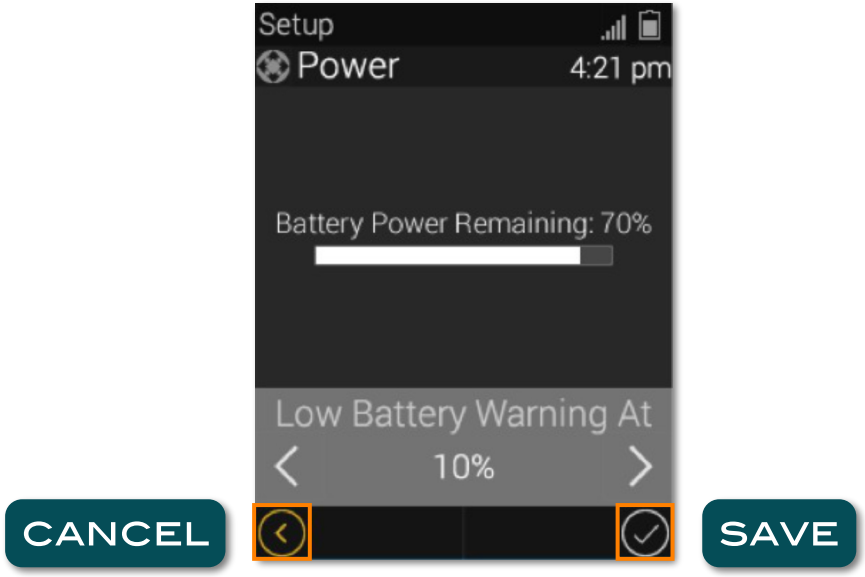
Once the button back light has been adjusted, press the **Save** button. Pressing **Cancel** reverts the remote to the last saved setting.

Brighter button light levels may reduce the MX-1400's battery life.



Power
Displays the remote's remaining battery level. Adjust when the "Low Battery" warning screen appears.

Once the Power settings have been adjusted, press the **Save** button. Pressing **Cancel** reverts the remote to the last saved setting.

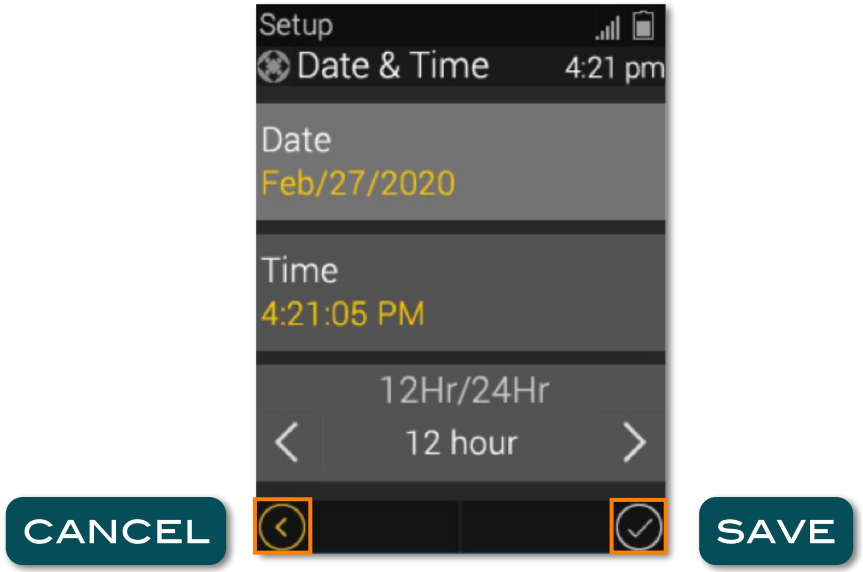


Date & Time
The remote's date and time settings have been set by your certified custom integrator. If needed, the date and time settings can be manually changed here.

If the system's date and time are adjusted, the Complete Control system adopts the new date and time globally.

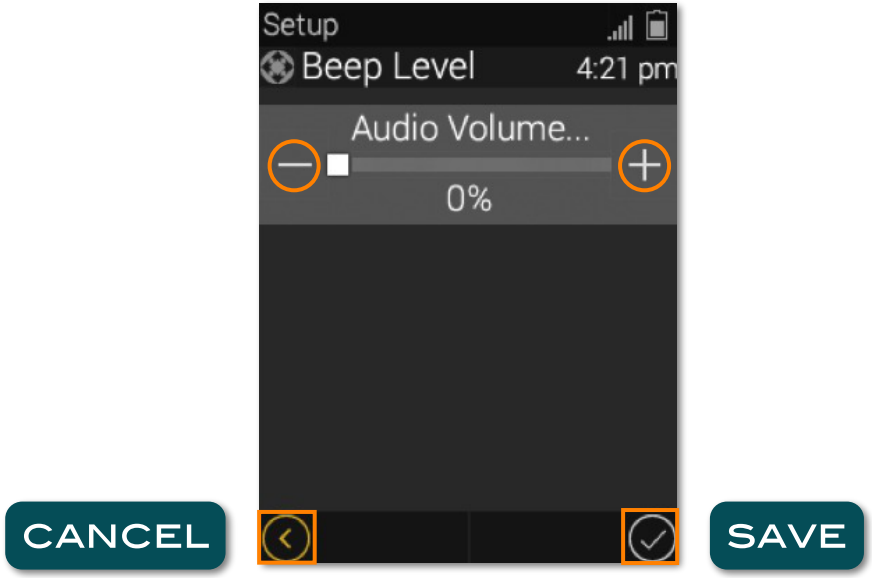
If the advanced system controller is reset, it defaults to the program's default location using the Internet. If Internet is not present, the date and time must be entered manually from a URC interface such as the MX-1400i.

Once the date and time settings have been adjusted, press the **Save** button. Pressing **Cancel** reverts the remote to the last saved setting.



Button Beep
Adjust the button "beep" of the remote. Press the adjacent LCD buttons to increase or decrease the volume level.

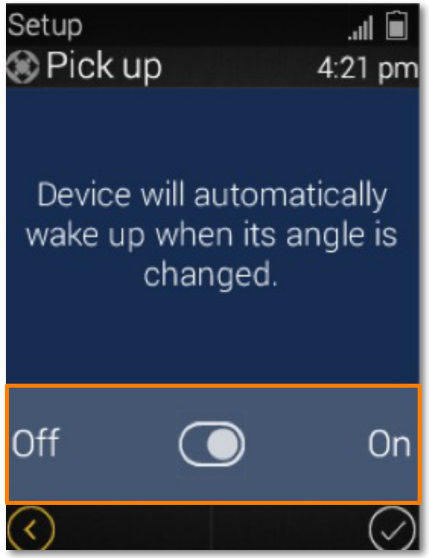
Once the sound has been adjusted, press the **Save** button. Pressing **Cancel** reverts the remote to the last saved setting.



Higher sound levels may reduce the MX-1400's battery life.

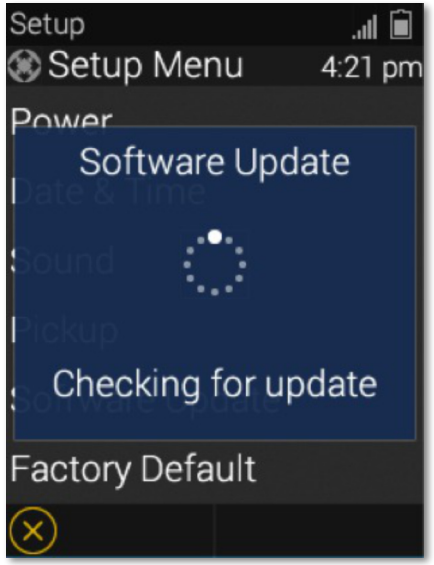
Pickup
Turn on or off the remote's pickup sensor. When enabled, the MX-1400i turns on when the remote is picked up. Select **Yes** (turn on) or **No** (turn off).

Enabling the pickup sensor may **reduce** the MX-1400's battery life.



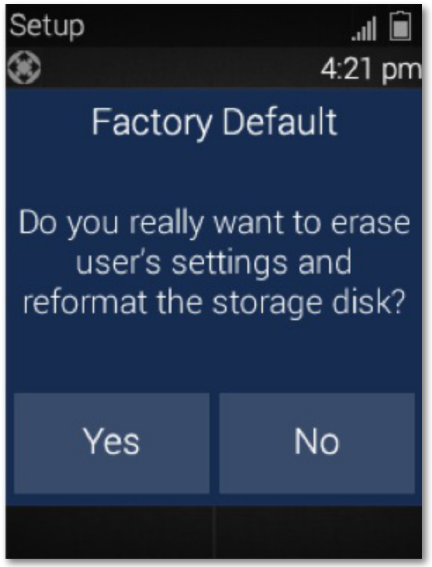
Software Update
URC's system has the ability to be programmed by a certified URC programmer remotely (after initial installation). There may be situations where the device may need to have the software update applied manually.

Select this option only when instructed by your certified URC integrator or URC's Technical Support Team.



Factory Default
Resets the memory of the MX-1400i to the factory settings. All existing programming is erased. The device requires reconfiguration by your certified URC integrator.

WARNING! Only use this button when instructed by URC's Technical Support team.



Specifications

These are the technical specifications for the MX-1400i:

Microprocessor: ARM Cortex-M7 Core 600MHz

Memory: NOR Flash MEMORY 512Mb

RAM: SDRAM 256Mb

Wi-Fi: 802.11b/g/n

LCD: 240 x 320, 2.4" TFT LCD with C-Touch module

Photo Diode: SMD TYPE x 2EA

IR: SMD TYPE x 2EA

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

Radio Frequency: 433.92MHz

RF Range: 50 to 100 feet, depending on the environment

Microphone: 2 CH MIC

Speaker: Mono 1.5W x 1

Battery: Lithium Polymer, 3.7V, 1700mAh

Battery Charging Time: 2.5 Hours

Power: 5.0V 2.0A

Operating Temp: 0~40 ℃ (non-condensing)

Size: 220 X 50 X 23.8 (mm)

Product Weight: 176.7g (with battery loaded)

Cradle Weight: 139.8g

Warning!

The manufacturer is not responsible for any Radio or TV interference caused by unauthorized modifications to this equipment.

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

Limited Warranty Statement

https://www.urc-automation.com/legal/warranty-statement/

End User Agreement

The terms and conditions of the End User Agreement available at https://www.urc-automation.com/legal/end-user-agreement/ shall 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 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.

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

Regulatory Information to the User

- CE conformity Notice Products with "CE" marking comply EMC Directive 2014/30/EU issued by the commission of the European Community.
  1. EMC Directive
     - Emission
     - Immunity
     - Power
- Declaration of Conformity

"Hereby, Universal Remote Control Inc. declares that this MX-1400i is in compliance with the Essential requirements."

Importer & Manufacturer

- **Importer:**
  Universal Remote Control, Inc.
  500 Mamaroneck Ave
  Harrison, NY 10528
- **Manufacturer:**
  OHSUNG ELECTRONICS CO., LTD.
  #181 Gongdan-Dong, Gumi, Gyeongbuk Republic of Korea

Rechargeable Lithium Polymer Battery Precautions & Information

- If you will not be using your remote control for an extended period of time, please remove the battery.
- Do not attempt to disassemble, alter, or apply heat to the battery.
- Use care to avoid dropping the battery or subjecting it to severe impact that could damage it.
- The battery should not be immersed in water.
- Risk of explosion if the battery is replaced by an incorrect type.
- Dispose of used batteries according to the instructions.
- Lithium Polymer batteries are recyclable. For information on local drop-off site, please visit www.rbrc.com or call toll free 1-800-822-8837.