Mini Remote

INSTEON® Remote Control Switch
2342-442 EU
2342-542 AUS/NZ

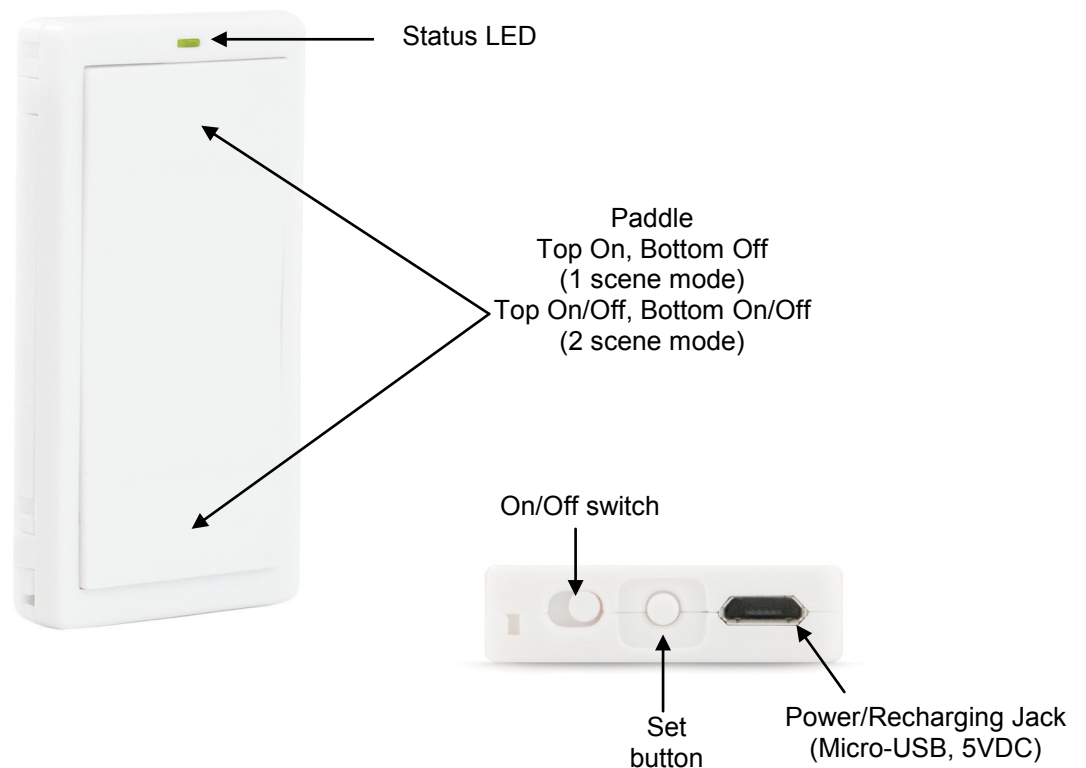## Owners Manual

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About Mini Remote

Mini Remote is the smallest and most versatile INSTEON Remote Control in the world. The 1 scene Controller can easily be reconfigured to give you toggle control of up to 2 scenes and/or devices. Mini Remote can be:

- Handheld (wireless remote)
- Mounted on wall with no trim plate (wireless keypad)
- Mounted on wall in a single-gang decorator trim plate (wireless keypad, built-in look)
- Mounted on wall in a multi-gang decorator trim plate (add to the number of controllers in your room without hiring an electrician and/or tearing out drywall)
- Placed on a Tabletop Stand (sold separately)
- Clipped to your car's visor with Visor Clip (sold separately)

Status LED

Paddle
Top On, Bottom Off
(1 scene mode)
Top On/Off, Bottom On/Off
(2 scene mode)

On/Off switch

Set
button

Power/Recharging Jack
(Micro-USB, 5VDC)

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Features and Benefits

- Small, elegant design
- Rechargeable battery included
- Discreet On and Off buttons for 1 scene
- Can be reconfigured for 2 scene triggers or 2 scene On/Off toggle control
- Wall-mountable (requires wall-mount bracket and decorator trim plate, sold separately)
- Can be used as a table-top controller (requires Tabletop Stand)
- Can be used as a visor-mounted remote control for lights, garage door opener etc. (requires Visor Clip)
- Dual-color LED blinks green when turning on a scene on and red when turning off a scene
- Power switch to disable buttons
- Stuck Button Mode – saves battery life by going to sleep if button stuck down
- Beeper for easy setup
- Recharges with standard charger with via Type A to Micro-B cable (sold separately)
- 9-12 month battery life based on average usage
- Battery charge LED indicator built-in
- Low battery transmit warning (use with software to trigger email/text message)
- All settings stored in non-volatile memory and preserved even through power loss
- 2-year warranty

What's in the Box?

Mini Remote
Rechargeable battery (pre-installed)
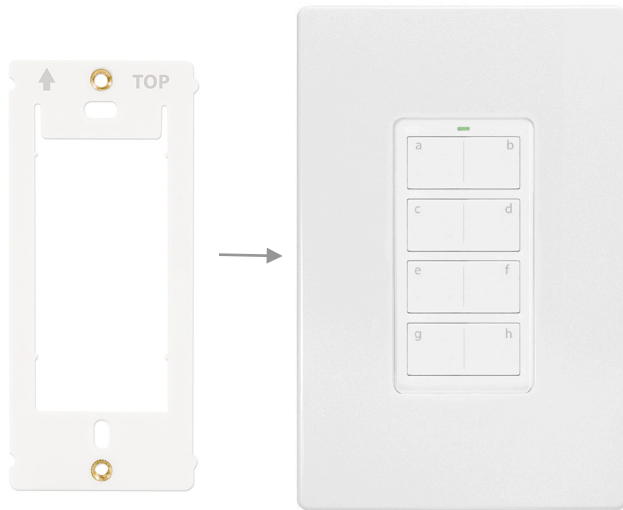Quick-Start Guide

Required Accessories

- A micro USB cable for connecting and recharging Mini Remote via USB port on a computer or USB power adapter.
- If the INSTEON device you intend to control does not receive RF signals (i.e., power line only), you will need at least one dual-band INSTEON device to convert the RF signals to power line signals.

Type A to Micro-B cable
(2444B5)

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Optional Accessories

Wall Mount Bracket
(2444B4)

- Wall mount your Mini Remote anywhere
- Gang two or more together for more control
- Can be installed adjacent to existing wired-in switches
- Mini Remote can easily be removed for portability or recharging
- Use with any decorator wallplate
-

Pair the Wall Mount Bracket with any decorator style wall plate (sold separately) for the perfect wireless wall switch solution.

Tabletop Stand
(Available in the 2444BWH kit)

- Perfect for a nightstand, kitchen counter or coffee table

Visor Clip
(Available in the 2444BWH kit)

- Control your home from your vehicle
- Turn lights on when you arrive and off as you leave

USB Power Adapter
(2444B6)

- For use with Mini Remote USB Charging Cable (requires adapter for regions outside US)

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Getting Started

Fully charge your Mini Remote prior to programming or anytime the unit is not responding. Mini Remote charges via USB cable (Type A to Micro-B, sold separately). The red charging LED will turn off once the battery has been fully charged (approximately 1 hour). To turn on Mini Remote, simply slide the power switch to the on position.

Note: Mini Remote uses a subtle beeper sound to assist setup. It is recommended that you program the unit in a quiet area.

Scenes

Scene: One or more INSTEON devices which respond to an INSTEON controller. When the scene is activated (turned "on"), all devices return to the states they were at when the scene was programmed. INSTEON scenes let you activate dramatic lighting moods at the touch of a button. For example, you can set all the lights in a scene to dim to 50% or turn certain lights on while turning others off, all with the tap of a button on any INSTEON Controller. INSTEON scenes are easy to set up, just follow the directions below.

Maximum number of scenes in Mini Remote Switch: 2 (Default is 1)
Scene Control Functions supported; On, Off, Press and hold Bright, Press and hold Dim, Double-tap Fast On and Double-tap Fast Off.

Make Mini Remote a Controller

1) Tap the Mini Remote switch (top or bottom paddle) – if in 2 scene mode, tap the top of the paddle for scene 1 or the bottom for scene 2

2) Adjust the responder to the state you want when the scene is activated from Mini Remote

3) Press and hold Mini Remote's set button until it beeps

   LED will begin blinking green

4) Press and hold the responder's set button until it beeps or its LED flashes

   Mini Remote will double-beep and its LED will stop blinking

   Responder's LED will stop blinking (it may also double-beep)

5) Confirm that scene addition was successful by tapping the Mini Remote paddle on/off

   The Responder will toggle between the scene on level and off

6) If you wish to add more responders to Mini Remote, repeat steps 1-5 for each additional scene responder (or see *Make Mini Remote a Controller of Multiple Responders*)

Remove Mini Remote as a Controller

If you are no longer going to use an INSTEON responder that is a scene responder of Mini Remote, it is very important that you remove its scene membership. Otherwise, Mini Remote will retry every scene command repetitively, thus creating delays and shortening battery life.

1) Tap the Mini Remote switch (top or bottom paddle) - if in 2 scene mode, tap the top of the paddle for scene 1 or the bottom for scene 2

2) Press and hold Mini Remote set button until it beeps

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LED will begin blinking green

3) Press and hold Mini Remote set button until it beeps again

   LED will begin blinking red

4) Press and hold responder set button until it double-beeps and/or its LED blinks

   Mini Remote will double-beep and its LED will stop blinking

5) Confirm that scene removal was successful by tapping the Mini Remote paddle on/off

   The responder will not respond

6) If you wish to add more responders to Mini Remote, repeat steps 1-5 for each additional scene responder (or see *Remove Mini Remote as a Controller of Multiple Responders*)

Using Mini Remote

1 Scene Mode (Default)

The switch controls scene members as follows:

Paddle	Tap	Press and hold	Double-tap
Top	Turn scene on	Brighten until release *(dimmable responders only)*	Instant full-on
Bottom	Turn scene off	Dim until release *(dimmable responders only)*	Instant full-off

2 Scene Toggle Mode

The top and bottom paddle will control all its scene members as follows:

Last Command Sent	Tap	Press and hold	Double-tap
Off/Dim	Turn scene on	Brighten until release *(dimmable responders only)*	Turn scene members full-bright instantly
On/Bright	Turn scene off	Dim until release *(dimmable responders only)*	Turn scene members off instantly

2 Scene Non-Toggle Mode (Always On)

Each button will control all its scene members as follows:

Tap	Press and hold	Double-tap
Turn scene on	Brighten until release *(dimmable responders only)*	Turn scene members full-bright instantly

Note: Devices that respond to the scene trigger by turning off and non-dimmable devices will not respond to dim and brighten commands.
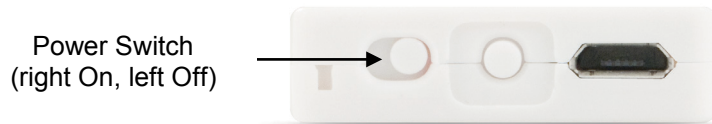
LED Behavior

Mini Remote has a two-color LED (Green and Red) which momentarily indicates whether an on or an off is being sent.

LED State	Meaning
Blink green (once)	On sent
Blink red (once)	Off sent
Blink red (for a few seconds)	One or more scene members did not acknowledge (note: scene members may still have heard the scene command and adjusted their settings)

Turn Unit On/Off (Pocket Mode)

The Mini Remote features a power switch located next to the set button. If you plan on carrying the Mini Remote in your pocket it is recommended that you turn it off to prevent buttons from accidentally being pressed. This is also recommended if your RemoteLinc will not be in use for long periods of time.

Power Switch
(right On, left Off)

Stuck button

If a button on Mini Remote is held for more than 4 minutes, the RemoteLinc will automatically stop transmitting to preserve battery life. The Mini Remote will automatically turn back on when the button that was depressed is no longer being pressed.

Advanced Features

Make Mini Remote a Controller of Multiple Responders

1) Tap the Mini Remote paddle (top or bottom) – if in 2 scene mode, tap the top of the paddle for scene 1 or the bottom for scene 2

2) Press and hold set button for 3 seconds - until you hear a beep

   LED will begin blinking green

3) Tap set button

   LED will begin double-blinking green

4) Adjust each responder to the desired state, then press and hold responder set button until Mini Remote double-beeps

   LED will continue double-blinking green

5) When all your devices have been added, tap Mini Remote's set button

   Mini Remote will double-beep and its LED will turn off

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Remove Mini Remote as a Controller of Multiple Responders

1) Tap the Mini Remote paddle (top or bottom) – if in 2 scene mode, tap the top of the paddle for scene 1 or the bottom for scene 2

2) Press and hold set button for 3 seconds - until you hear a beep

   LED will begin blinking green

3) Press and hold set button a 2nd time for 3 seconds - until you hear a beep

   LED will begin blinking red

4) Tap set button

   LED will begin double-blinking red

5) For each responder you wish to remove, press and hold its set button until Mini Remote double-beeps

   LED will continue double-blinking red

6) When all your devices have been removed, tap Mini Remote's set button

   Mini Remote will double-beep and its LED will turn off

Change Paddle / Scene Configuration (e.g. Change to 2 Scene Mode)

1. Press and hold set button until it beeps

   LED will begin blinking green

2. Press and hold set button until it beeps again

   LED will begin blinking red

3. Press and hold set button until it beeps a third time

   LED will begin blinking green

4. Press and hold set button until it beeps a fourth time

   LED will begin blinking red

5. Tap set button

   LED will begin double-blinking red

6. Press the appropriate paddle for the desired button/scene configuration

Desired Configuration	Paddle to Press
2 scene Toggle	Bottom
2 scene Non-Toggle (Always On)	Bottom twice
1 scene (Default)	Top

   Mini Remote will double-beep and its LED will turn off

7. To confirm the configuration, tap the bottom of the paddle several times

   Mini Remote's LED will flash as follows

Flash Pattern	Configuration

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Red every tap	1 scene
Green every tap	2 scene Non-Toggle (Always On)
Green / red alternating	2 scene Toggle

Turn LED Off (or Back On)

1) Press and hold set button for 3 seconds - until you hear a beep

   LED will begin blinking green

2) Press and hold set button a 2nd time for 3 seconds - until you hear a beep

   LED will begin blinking red

3) Press and hold set button a 3rd time for 3 seconds - until you hear a beep

   LED will begin blinking green

4) Press the appropriate area of the paddle for the desired button/scene configuration

Desired LED Mode	Button to Press
LED Off	Bottom
LED On (default)	Top

   Mini Remote will double-beep and its LED will turn off

Turn Beeper On (or Back Off)

By default, the beeper is disabled on Mini Remote. Follow these instructions to enable it:

1) Press and hold set until it beeps

   LED will begin blinking green

2) Press and hold set button until it beeps again

   LED will begin blinking red

3) Press and hold set button until it beeps a third time

   LED will begin blinking green

4) Tap set button

   LED will begin double-blinking green

5) Press the appropriate area of the paddle for the desired button/scene configuration

Desired Beeper Mode	Area to Press
Off (Default)	Bottom
On	Top

   Mini Remote will double-beep and its LED will turn off

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Beeper Behavior

Command	Method	Beeper Disabled (Default)	Beeper Enabled
On	Tap	-	Single beep
Off	Tap	-	Single beep
Fast-On	Double-Tap	-	Single beep
Fast-Off	Double-Tap	-	Single beep
Begin Bright	Press and hold	-	Single beep
Begin Dim	Press and hold	-	Single beep

Setup Action		Beeper
Enter setup mode, transition to next setup mode or exit setup mode		Single beep
Setup successful, return to ready mode		Double-beep
Return to ready mode after a longer than 3 minute time-out		Long beep (3 seconds)
Failed to add scene responder		Long beep (3 seconds)
Exiting stuck button		Long beep (3 seconds)

LED Behavior during Setup

Mini Remote has a two-color LED (Green and Red) which displays helpful information.

LED State	Meaning
Blinking Green slowly	Add Responder Setup Mode, or
	LED on/off Setup Mode
Blinking Red slowly	Remove Responder Setup Mode
Double-Blinking Green slowly	Multi-Add Responder Setup Mode, or
	Beeper on/off Setup Mode
Double-Blinking Red slowly	Multi-Remove Responder Setup Mode

Factory Reset

The factory reset procedure clears all settings from Mini Remote including INSTEON scenes.

1) If possible, unlink (remove) all scene responders prior to performing factory reset

2) Turn Mini Remote off (slide power switch to left)

3) Press and hold set button

4) While continuing to hold the set button, turn Mini Remote back on (slide power switch to the right). Do not release set button.

   Mini Remote will beep and LED will turn solid green

   Mini Remote will emit a long beep

5) Continue to Hold set button until the long beep stops, then release set button

   LED will turn solid red

Mini Remote will double-beep and its LED will turn off

Specifications

General	
Product Name	Mini Remote – INSTEON Wireless Switch
Brand	INSTEON
Manufacturer Product Number	EU: 2342-442 AUS/NZ: 2342-542
UPC	EU: 813922012606 AUS/NZ: 813922012972
Patent	Protected under U.S. and foreign patents (see www.insteon.com)
Warranty	2 Year, Limited
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Scenes	1 (default), configurable to 2	
Scene Configurations	1 On/Off (default), 2 Toggle or 2 Always On	
Maximum scene Links	400	
Scene Commands Supported	On	Off
	Begin Brightening	Begin Dimming
	End Brightening	End Dimming
	Fast On	Fast Off
Software Configurable	Yes	
Operation		
LED Type	Two-color: Green and Red	
LED during Use	Green Flash Once	On (sent)
		Bright
		Fast-On
	Red Flash Once	Off
		Dim
		Fast-Off
	Red Blink for ~3 Seconds	Scene Acknowledge Missing
LED	Always used for setup, default On during use	
Setup Button	Yes	
On/Off Switch	Yes	
Beeper	Yes, configurable	
Battery Charging LED	Yes, embedded (shines red through case during charge)	

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RF Range	50' Line-of-Sight
Retains all settings without power	Yes, all saved in Non-volatile EEPROM
Mechanical	
Color	White
Plastic	UV Stabilized ABS
Button Configurations	1 scene (standard), 2 scene (optional button kit)
Dimensions	6.6cm x 3.3cm x 1cm
Weight (w/battery)	28g
Button Style	Plastic Paddles over Contact Switches
Optional Hardware	Wall Mount
	Tabletop Stand
	Visor Clip
Operating Environment	Indoors, 0°C to 40°C, up to 85% relative humidity
Electrical	
Battery type	3.7 VDC Lithium Polymer, Rechargeable, non-replaceable
Battery life (between charges)	9-12 months under standard usage
Battery Re-charging cycles	> 500 recharging cycles
Recharging jack	Standard, Micro-USB, 5VDC
Recharging time	1 hour
Sends Low Battery Warning	Yes

Troubleshooting

Problem	Possible Cause	Solution
Mini Remote won't add a scene responder	Mini Remote may be out of range of nearest INSTEON device	Try moving Mini Remote closer to responder
Mini Remote will not turn on a responder (it may turn it off)	Responder ramp rate may be extremely slow	Relink to responder with faster ramp rate
	Responder may be linked at off	Relink to responder, making sure it's linked at on
Responder's load doesn't appear to turn on right away	Responder ramp rate may be set too slow	Relink to responder with faster ramp rate
Responder(s) is taking a long time to respond to a Mini Remote	Mini Remote may be sending commands to a responder(s) that is no longer in use	Remove all unused responders from the Mini Remote. HINT: If you are using home automation software, you can easily check scene membership and eliminate unnecessary links.

Problem	Possible Cause	Solution
		If the above doesn't work, try the solutions for "Mini Remote will not turn on a responder."
Mini Remote blinks red after I turn a scene on or off	One or more scene members is not responding	Monitor for recurrence and if recurs: a) Remove all scene responders that are no longer in use, or b) Add INSTEON devices for better signaling
	One or more scene members is not responding and HouseLinc (or other software) is attempting to communicate to Mini Remote	
Mini Remote is locked up	Mini Remote may have glitched	Power cycle Mini Remote by turning it off (slide power switch to left), waiting 10 seconds and turning it back on (slide power switch to right)
		Perform a factory reset on Mini Remote

If you have tried these solutions, reviewed this Owner's Manual, and still cannot resolve an issue, visit
www.insteon.com/support for online support and updated product documents
or call INSTEON Support Line at 866-243-8022

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Certification and Warranty

Declaration of Conformity

DECLARATION OF CONFORMITY

Hereby, INSTEON declares that this device is in compliance with the essential requirements and other relevant provisions of the following Directives:
1) Electromagnetic Compatibility Directive 2004/108/EC
2) Hazardous Substance Directive 2005/95/EC
Technical data and copies of the original Declaration of Conformity are available and can be obtained from INSTEON; 16542 Millikan Ave, Irvine, CA, USA.
User Information for Consumer Products Covered by EU Directive 2002/96/EC on Waste Electric and Electronic Equipment (WEEE)
This document contains important information for users with regards to the proper disposal and recycling of INSTEON products. Consumers are required to comply with this notice for all electronic products bearing the following symbol:
Environmental Information for Customers in the European Union
European Directive 2002/96/EC requires that the equipment bearing this symbol on the product and/or its packaging must not be disposed of with unsorted municipal waste. The symbol indicates that this product should be disposed of separately from regular household waste streams.
It is your responsibility to dispose of this and other electric and electronic equipment via designated collection facilities appointed by the government or local authorities. Correct disposal and recycling will help prevent potential negative consequences to the environment and human health.
For more detailed information about the disposal of your old equipment, please contact your local authorities, waste disposal service, or the shop where you purchased the product.
DECLARATION OF CONFORMITY TO RandTTE DIRECTIVE 1999/5/EC for the European Community, Switzerland, Norway, Iceland and Liechtenstein
Product category: general consumer (category 3).

English: This equipment is in compliance with the essential requirements and other relevant provisions of the European RandTTE Directive 1999/5/EC
Deutsch [German]: Dieses Gerät entspricht den grundlegenden Anforderungen und den weiteren entsprechenden Vorgaben der Richtlinie 1999/5/EU.
Nederlands [Dutch]: Dit apparaat voldoet aan de essentiele eisen en andere van toepassing zijnde bepalingen van de Richtlijn 1999/5/EC.
Svenska [Swedish]: Denna utrustning står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.
Français [French]: Cet appareil est conforme aux exigences essentielles et aux autres dispositions pertinentes de la Directive 1999/5/EC
Español [Spanish]: Este equipo cumple con los requisitos esenciales asi como con otras disposiciones de la Directiva 1999/5/CE.
Português [Portuguese]: Este equipamento está em conformidade com os requisitos essenciais e outras provisões relevantes da Directiva 1999/5/EC.
Italiano [Italian]: Questo apparato é conforme ai requisiti essenziali ed agli altri principi sanciti dalla Direttiva 1999/5/CE.
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Suomi [Finnish]:Tämä laite tyttää direktiivin 1999/5/EY olennaiset vaatimukset ja on siinä asetettujen muiden laitetta koskevien määräysten mukainen.
Dansk [Danish]: Dette udstyr er i overensstemmelse med de væsentlige krav og andre relevante bestemmelser i Direktiv 1999/5/EF.
Polski [Polish]: Urządzenie jest zgodne z ogólnymi wymaganiami oraz szczególnymi warunkami okreslonymi Dyrektywą UE: 1999/5/EC

Limited Warranty

Seller warrants to the original consumer purchaser of this product that, for a period of two years from the date of purchase, this product will be free from defects in material and workmanship and will perform in substantial conformity to the description of the product in this Owner's Manual. This warranty shall not apply to defects or errors caused by misuse or neglect. If the product is found to be defective in material or workmanship, or if the product does not perform as warranted above during the warranty period, Seller will either repair it, replace it, or refund the purchase price, at its option, upon receipt of the product at the address below, postage prepaid, with proof of the date of purchase and an explanation of the defect or error. The repair, replacement, or refund that is provided for above shall be the full extent of Seller's liability with respect to this product. For repair or replacement during the warranty period, call the INSTEON Gold Support Line at 800-762-7845 with the Model # and Revision # of the device to receive an RMA# and send the product, along with all other required materials to:

INSTEON
ATTN: Receiving
16542 Millikan Ave.
Irvine, CA 92606-5027

Limitations

The above warranty is in lieu of and Seller disclaims all other warranties, whether oral or written, express or implied, including any warranty or merchantability or fitness for a particular purpose. Any implied warranty, including any warranty of merchantability or fitness for a particular purpose, which may not be disclaimed or supplanted as provided above shall be limited to the two-years of the express warranty above. No other representation or claim of any nature by any person shall be binding upon Seller or modify the terms of the above warranty and disclaimer.
Home automation devices have the risk of failure to operate, incorrect operation, or electrical or mechanical tampering. For optimal use, manually verify the device state. Any home automation device should be viewed as a convenience, but not as a sole method for controlling your home.

In no event shall Seller be liable for special, incidental, consequential, or other damages resulting from possession or use of this device, including without limitation damage to property and, to the extent permitted by law, personal injury, even if Seller knew or should have known of the possibility of such damages. Some states do not allow limitations on how long an implied warranty lasts and/or the exclusion or limitation of damages, in which case the above limitations and/or exclusions may not apply to you. You may also have other legal rights that may vary from state to state.

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