



QUICK START GUIDE

Lono, LLC
686 East 110 South, Suite 102
American Fork, UT 84003

WELCOME. THIS GUIDE WILL HELP YOU INSTALL YOUR LONO™ CONTROLLER.

For additional information, check out our installation video or visit our website.

Installation video

<https://lono.io/install-video>

Learn more

<https://lono.io/features>

Questions?

We'd love to help! For any inquiries, please email or call us at the number below. Additionally, we'd encourage you to check out our support page.

<https://lono.io/support>

support@lono.io

801.123.LONO (801.123.5666)]

Inside the box:

- Lono Controller
Front Panel
Back Panel (i.e., wall mount)
- 24V Power Supply
- Two Mounting Screws
- Wire Label Stickers
- Quick Start Installation Guide
(what you're reading now)

REQUIREMENTS

WiFi

2.4Ghz, 802.11 b/g – Lono supports WEP, WPA and WPA2

Mobile

iOS 8.x or Android 4.3 (or later)

Account Login

To connect Lono to your WiFi network, you'll require a free Lono account which can be created after you install the Lono mobile application.

Irrigation System

Lono works with most 24V irrigation systems and can accept up to 20 zone wires, a common wire, third party sensors and a master valve or pump relay.

Installation location

The Lono controller is designed to be installed indoors. If you need to install outdoors, ensure Lono is encased in an appropriately sized, weatherproof enclosure.

Tools Needed

Installing Lono requires a Phillips head screwdriver.

BEFORE YOU BEGIN

Check WiFi signal strength

With your iPhone or Android device, walk to the location of your current sprinkler controller, and make sure you have a good connection to your network. If your WiFi signal strength is weak, you may need to move your wireless router or install a WiFi range extender.

Run your existing controller

Cycle through all of your zones and make sure everything is working properly.

Unplug old controller

Unplug your existing controller's power source.

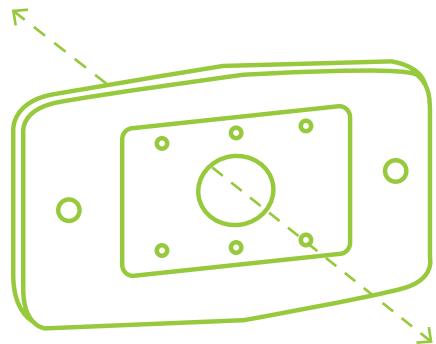
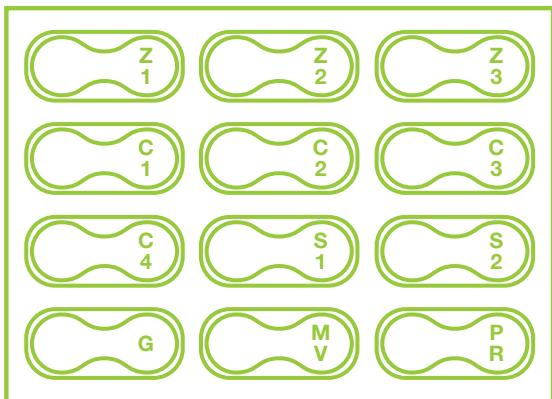
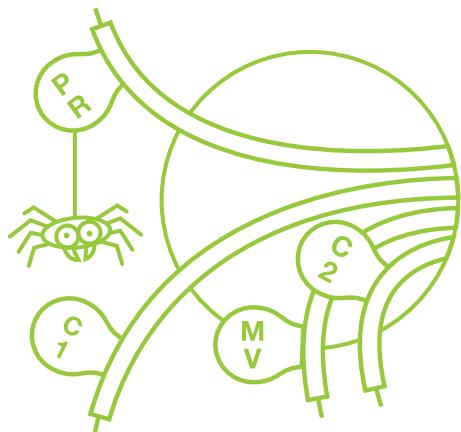
Reference photo

Use your mobile phone to take a photo of your existing controller's wire colors, circuit numbers and placements.

1

Label wires

Use the wire stickers that came with your Lono to label important wires including the common wire, master valve/pump relay, 3rd party sensors, etc.



Remove old controller

Disconnect wiring, and then remove your old controller from the wall.

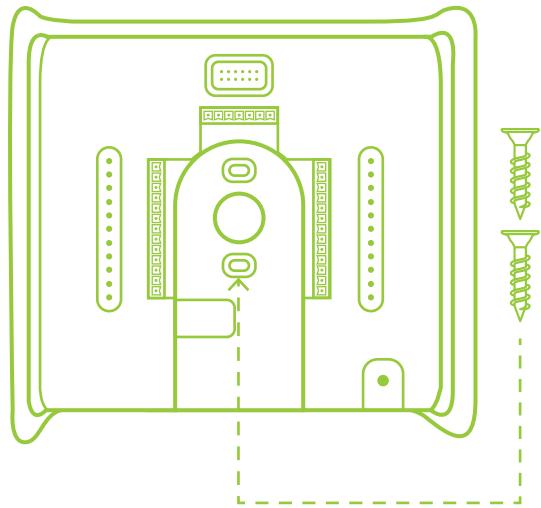


You may need wire strippers to expose sprinkler wire from outer sheath.

2

Mount back panel

Take Lono's back panel and mount it to wall using the two mounting screws included in the packaging.



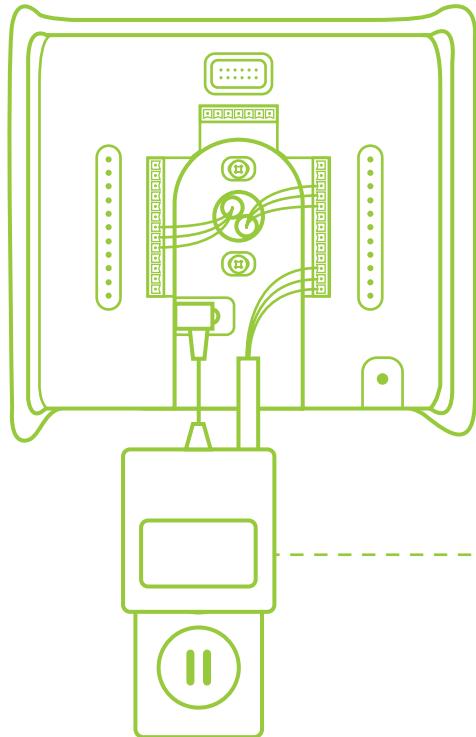
3

Power device

Plug 120V power supply into nearby outlet, and connect it to Lono. <-----

Connect wiring

Connect each valve wire into a zone wire connector on the device, numbered 1-20. The "C" wire connectors at the top are for common wires.

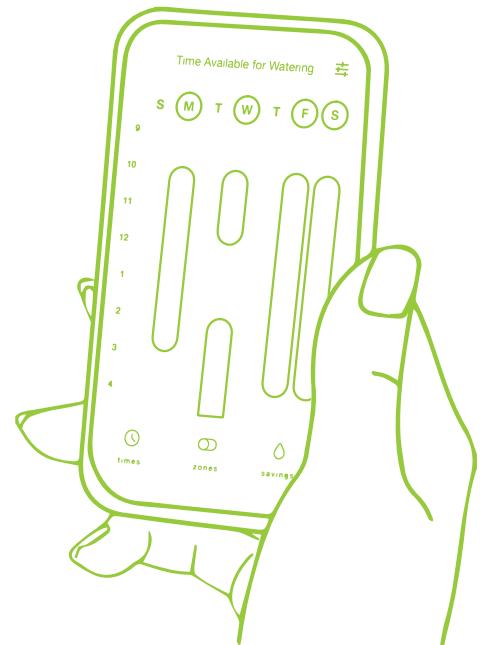


4

5

Attach front panel

Attach the front panel to the back panel mounted on the wall simply by pushing it into place.



Download the app

Make sure you're connected to your WiFi network. Download the Lono iOS or Android app, create an account and get started!

Visit <https://lono.io/mobile>

LIMITED WARRANTY

Important information about your rights and obligations, as well as limitations and exclusions that may apply to you.

At Lono, LLC (“Lono”), we believe that when you (also referred to herein as “Customer”) purchase our Sprinkler Controller (“Product”), you are also purchasing the support you need to ensure that it performs as designed. Like our Products, Lono’s customer experience is designed to exceed expectations.

TOTAL SATISFACTION RETURN POLICY

If you are not satisfied with the Product for any reason, you may return the Product to Lono in its original condition and packaging on or within thirty (30) days of the original date of the purchase from Lono or an authorized dealer and receive a full refund, subject to the limitations below, Lono, in its sole discretion, will determine if the Product is in its original condition when returned.

LIMITED WARRANTY

This Limited Warranty gives you specific legal rights. You may also have other legal rights that vary by state, province or jurisdiction. The disclaimers, exclusions and limitations of

liability under this Limited Warranty will not apply to the extent prohibited by applicable law. For a full description of your legal rights you should refer to the laws applicable in your jurisdiction and you may wish to contact a relevant consumer advisory service.

Subject to the terms and conditions set forth herein, Lono warrants that the Product will be free from material defect in materials and workmanship for a period of one (1) year (or two (2) years if the product was a Pre-Order (as defined in the General Terms and Conditions of Sale) or Customer contributed to the Kickstarter program) from the date of delivery following the original retail purchase (the “Limited Warranty Period”). A Product that is not free from defects in materials and/or workmanship is hereinafter referred to as a “Defective Product.” Subject to the terms set forth herein, Lono will, at its sole and absolute discretion, either (i) repair or replace the Defective Product; or (ii) refund the money actually paid by the original purchaser less a twenty (20) percent reduction for restocking of the Defective Product.

The Limited Warranty is subject to the following conditions:

1. You must either (i) return the Defective Product to Lono within the Limited Warranty Period in compliance with the following conditions, or (ii) notify Lono in writing of the Defective Product during the Limited Warranty Period by visiting <https://lono.io/contact> and return the

Defective Product to Lono in compliance with the following conditions within thirty (30) days following the date you notified Lono in writing of the Defective Product;

2. You must comply with Lono's return shipping instructions;
3. You must provide Lono with proof of original purchase of the Defective Product from Lono or an authorized dealer;
4. You must obtain a return materials authorization ("RMA") number from Lono;
5. You shall pay any shipping charges for Products returned by you to Lono, and Lono will not accept collect shipments from you.

PRODUCT REPLACEMENT OR REPAIR

Your sole and exclusive remedy for any breach by Lono of this Limited Warranty, and Lono's sole and entire liability for such breach, is, at Lono's option, to repair or replace the Defective Product or, if the warranty claim is submitted during the first thirty (30) calendar days of the Warranty Period, refund the purchase price of the Defective Product. Repair or replacement of the applicable Defective Product (including parts and labor as well as re-shipping costs) shall be made at Lono's expense. Lono reserves the right to send you a replacement Product that is the same or of a similar style to the Product you returned under the Limited Warranty or a substitute equivalent to your original Product that may not be of like kind (depending on availability). Replacement

Products will be furnished only on an exchange basis. Replacement or repaired Products are warranted as above only for the remainder of the original applicable Warranty Period.

If you wish to make a claim under this Limited Warranty with respect to a Product, you must first contact Lono at 801.802.6464. If Lono determines that a repair or replacement is required, you will be prompted for your name, address, phone number, e-mail address and product serial number and then issued a Return Order Number to use when returning products to Lono. Product you return to Lono must be properly packaged in its original packaging (or packaging providing the product with protection equivalent to the original packaging) and shipped, with the shipping charges prepaid via a shipping method that provides for tracking of your package, to the address provided when you received your Return Order Number.

DISCLAIMER OF WARRANTIES

Except as expressly set forth in this limited warranty, and to the maximum extent permitted by applicable law, Lono disclaims all express, implied and statutory warranties and conditions with respect to the product, including the implied warranties of merchantability, and fitness for a particular purpose, or non-infringement on the rights of third parties. To the maximum extent permitted by applicable law, Lono also limits the duration of any implied warranties or conditions to the duration of this limited warranty. The limited warranty does not apply if, as determined by Lono in its sole and

absolute discretion, the product failure was due in anyway to damage from shipping, handling, or improper storage; accident, abuse, misuse, or failure to adequately maintain the product; exposure to electrolysis, erosion or abrasion; contact with destructive gases or chemicals; improper voltage, or electrical phase lose or reversal; exposure to incoming power supply lacking circuit breakers or fused protection; lightning, flood (either naturally occurring or due to customer negligence in operation of irrigation systems), or other natural disasters or “acts of god”; or if the product has been modified in any way, or has had any identifying information (including serial number or product number) removed or altered in any way including alteration to open source software; repair of the product by anyone other than Lono or an approved agent shall void the limited warranty. The limited warranty applies only to the original purchase of the product, purchased from Lono or an authorized dealer, and proof of original purchase price and date is required prior to receiving any limited warranty benefits provided hereunder.

LIMITATION ON DAMAGES

Notwithstanding anything in this limited warranty to the contrary, in no event will Lono be liable for any consequential, incidental, exemplary, or special damages including any damages for lost data or lost profits arising from or relating to this limited warranty or the product even if Lono knew or should have known of such losses prior to providing this product, and Lono’s total cumulative liability arising from or related to this limited warranty or the product will not

exceed the amount actually paid for the product by the original purchaser.

LIMITATION OF LIABILITY

The Lono mobile services and smart app (“services”) provide you information (“product information”) regarding the product, natural weather conditions, and/or other peripherals or operating systems connected to or related to the product (“product peripherals”). The type of product peripherals that may be connected to the product may change from time to time without limiting the general list of the disclaimers above, all product information is provided for your convenience, “as is,” and “as available”. Lono does not represent, warrant, or guarantee that product information will be available, accurate, or reliable or that product will effect your utility use or lawn health. You use all product information, the services, and the product at your own discretion and risk. You will be solely responsible for (and Lono disclaims) any and all loss, liability, or damages, including to your water lines, sprinkler system, product, product peripherals, or mobile device resulting from your use of the product information, services, or product.

DISPUTES RESOLUTION

Any claim or dispute in connection with this Limited Warranty shall be resolved in accordance with the Dispute Resolution Clause of the General Terms and Conditions of Sale.

ASSIGNMENT

This Limited Warranty does not extend beyond the original purchase of the Product and may not be transferred, assigned or passed by the original purchaser. Lono, its subsidiaries, and affiliates are intended beneficiaries of this Limited Warranty.

ENTIRE AGREEMENT

This Agreement contains the entire understanding of the parties with respect to the matters contained herein and supersedes and replaces in its entirety any and all prior communications and contemporaneous agreements and understandings, whether oral, written, electronic or implied, if any, between the parties with respect to the subject matter hereof. Any other or additional terms and conditions, including exceptions to Lono's terms of conditions, are deemed to be material alterations of Lono's offer and are rejected by Lono unless expressly agreed to in writing by Lono's authorized representative.

TERMS OF USE

Please read these terms of use (“agreement”) carefully before using the services offered by Lono, llc. (“Company”). By visiting the website or using the services in any manner, you agree that you have read and agree to be bound by and a party to the terms and conditions of this agreement to the exclusion of all other terms. If the terms of this agreement are considered an offer, acceptance is expressly limited to such terms. If you do not unconditionally agree to all the terms and conditions of this agreement, you have no right to use the website or services. Use of the company's service is expressly condition upon your assent to all the terms and conditions of this agreement, to the exclusion of all other terms.

ACCESS TO SERVICES

The www.lono.io website and domain name and any other linked pages, features, content or application services (including without limitation any mobile application services) offered from time to time by the Company in connection therewith (collectively, the “Website”) are owned and operated by the Company. Subject to the terms and conditions of this Agreement, Company may offer to provide certain services, as described more fully on the Website, and that have been selected by you (together with the Website, the “Services”), solely for your own use, and not for the use or benefit of any third party. The term “Services” includes, without limitation, use of the Website, any service Company performs for you and the Content (as defined below) offered by the Company on the Website. Company may change,

suspend or discontinue the Services at any time, including the availability of any feature, database or Content. Company may also impose limits on certain features and services or restrict your access to parts or all of the Services without notice or liability. You may choose to use the Services in connection with the Lono device (the “Product”). You may use the Services in connection with the Product only after you have purchased the Product and read and accepted the Lono General Terms and Conditions of Sale (“Product Terms of Sale”) before using the Product or accessing the Services in connection with your use of the Product. Company reserves the right, in its sole discretion, to modify this Agreement at any time by posting a notice on the Website, or by sending you notice via email. You shall be responsible for reviewing and becoming familiar with any such modifications. Your use of the Services following such notification constitutes your acceptance of the terms and conditions of this Agreement as modified. Company does not knowingly collect or solicit personal information from anyone under the age of 13 or knowingly allow such persons to register for the Services. If you are under 13, please do not attempt to register for the Services or send any information about yourself to us, including your name, address, telephone number, or email address. No one under age 13 may provide any personal information to Company or on the Services. In the event that we learn that we have collected personal information from a child under age 13 without verification or parental consent, we will delete that information as quickly as possible. If you believe that we might have any information from or about a child under 13, please contact us at team@lono.io. You represent and warrant to Company that: (i) you are an individual (i.e. not

a corporation) and you are of legal age to form a binding contract or have your parental consent to do so, and you are at least 13 years of age or older; (ii) all registration information you submit is accurate and truthful; and (iii) you will maintain the accuracy of such information. You also certify that you are legally permitted to use and access the Services and take full responsibility for the selection and use of and access to the Services. This Agreement is void where prohibited by law, and the right to access the Services is revoked in such jurisdictions.

WEBSITE AND SERVICES CONTENT

The Website, the Services, and their contents are intended solely for the personal, non-commercial use of Services users and may only be used in accordance with the terms of this Agreement. All materials displayed or performed on the Services (including, but not limited to text, graphics, articles, photographs, images, illustrations (also known as “Content”, and which includes User Submissions (as defined below))) are protected by copyright. You shall abide by all copyright notices, trademark rules, information, and restrictions contained in any Content accessed through the Services, and you shall not use, copy, reproduce, modify, translate, publish, broadcast, transmit, distribute, perform, upload, display, license, sell or otherwise exploit for any purposes whatsoever any Content or third party submissions or other proprietary rights not owned by you: (i) without the express written consent of the respective owners, and (ii) in any way that violates any third party right. The Website and the Services are protected by copyright as a

collective works and/or compilations, pursuant to U.S. copyright laws, international conventions and other copyright laws. You may not modify, publish, transmit, participate in the transfer or sale of, reproduce (except as expressly provided in this Section 2), create derivative works based on, distribute, perform, display, or in any way exploit, any of the Content, software, materials or Services in whole or in part. You may download or copy the Content (and other items displayed on the Website or Services for download) for personal non-commercial use only, provided that you maintain all copyright and other notices contained in such Content. You shall not store any significant portion of any Content in any form. Copying or storing of any Content other than for personal, non-commercial use is expressly prohibited without prior written permission from Company or from the copyright holder identified in such Content's copyright notice. If you link to the Website, Company may revoke your right to link at any time, at Company's sole discretion. Company reserves the right to require prior written consent before linking to the Website. In the course of using the Services, you and other users may provide information which may be used by Company in connection with the Services and which may be visible to certain other users. You understand that by posting information or content on the Website or other providing content, materials or information to Company or in connection with the Services, including, without limitation, information you have made automatically available through your use of the Product (collectively, "User Submissions"), Company hereby is and shall be granted a non-exclusive, worldwide, royalty-free, perpetual, irrevocable, sub-licensable and transferable right

to fully exploit such User Submissions (including all related intellectual property rights) in connection with the Services, the Website, and Company's (and its successors' and assigns') business, including without limitation for promoting and redistributing part or all of the Services (and derivative works thereof) in any media formats and through any media channels; however, Company will only share your personally identifiable information in accordance with Company's Privacy Policy. You also hereby do and shall grant each user of the Services a non-exclusive license to access your User Submissions through the Services, and to use, modify, reproduce, distribute, prepare derivative works of, display and perform such User Submissions as permitted through the functionality of the Services and under this agreement. Furthermore, you understand that Company retains the right to reformat, modify, create derivative works of, excerpt, and translate any User Submissions submitted by you. The forgoing license grant to Company does not affect your ownership of or right to grant additional licenses to the material in your User Submissions, unless otherwise agreed in writing. You understand that all information publicly posted or privately transmitted through the Services is the sole responsibility of the person from which such content originated and that Company will not be liable for any errors or omissions in any content. You understand that Company cannot guarantee the identity of any other users with whom you may interact in the course of using the Services. Additionally, Company cannot guarantee the authenticity of any data which users or merchants may provide about themselves. You acknowledge that all Content

accessed by you using the Services is at your own risk and you will be solely responsible for any damage or loss to any party resulting therefrom. Under no circumstances will Company be liable in any way for any Content, including, but not limited to, any errors or omissions in any Content, or any loss or damage of any kind incurred in connection with use of or exposure to any Content posted, emailed, accessed, transmitted, or otherwise made available via the services.

RESTRICTIONS

You will not use or access the Website or Services in any manner that (i) is (or you reasonably believe or should reasonably believe to be) illegal, fraudulent, or unauthorized, or in furtherance of any illegal, counterfeiting, fraudulent, pirating, unauthorized, or violent activity, or that involves (or you reasonably believe or should reasonably believe to involve) any stolen, illegal, counterfeit, fraudulent, pirated, or unauthorized material; (ii) infringes or violates the intellectual property rights or proprietary rights, rights of publicity or privacy, or other rights of any third party; (iii) violates any law, statute, ordinance, or regulation or causes Lono to be in violation of any law, statute, ordinance or regulation; (iv) involves commercial activities and/or sales without Company's prior written consent such as contents, sweepstakes, barter, advertising, or pyramid schemes; (v) impersonates any person or entity, including without limitation any employee or representative of the Company; (vi) contains a virus, Trojan horse, worm, time bomb, or other harmful computer code, file or program; (vii) disrupts, interferes or harms our Website, servers

or network; or (viii) imposes an unreasonably or disproportionately large load on our infrastructure. Further, you may not (i) circumvent, disable, or otherwise interfere with security-related features of the Services or the Website or features that prevent or restrict use of copying of any content available on the site; (ii) use any robot, spider, site search or retrieval application, or any other manual or automatic device or process to retrieve, index, data-mine or in any way reproduce or circumvent the navigational structure or presentation of the Website; (iii) harvest, collect or mine information about other users of the Website; (iv) create a database by systematically downloading and storing all or any of the Content on the site; (v) decompile, reverse engineer or otherwise attempt to obtain the source code of the Services; (vi) use the Service to violate the security of any computer network, crack passwords, or security encryption codes, transfer or store illegal material (including material that may be considered threatening or obscene); (vii) run Maillist, Listserv, or any form of auto-responder, or "spam" on the Services, or any processes that run or are activated while you are not logged on to the Website. Company reserves the right to remove any Content from the Services at any time, for any reason (including, but not limited to, upon receipt of claims or allegations from third parties to authorities relating to such content or if Company is concerned that you may have breached in anyway the foregoing sentences), or for no reason at all. You, not Company, remain solely responsible for all Content that you upload, post, email, transmit or otherwise disseminate using, or in connection with, the Services, and you warrant that you possess all rights necessary to provide such content to Company and to grant Company

the rights to use such information in connection with the Services and as otherwise provided herein. You are responsible for all of your activity in connection with the Services. Any fraudulent, abusive, or otherwise illegal activity may be grounds for termination of your rights to access or use the Services. You may not post or transmit, or cause to be posted or transmitted, any communication or solicitation designed or intended to obtain password, account or private information from any other user of the Services.

WARRANTY DISCLAIMER

Company has no special relationship with or fiduciary duty to you. You acknowledge that Company has no control over, and no duty to take any action regarding: which users gain access to the Services; what Content you access via Services; what effects the Content may have on you; how you may interpret or use the Content; or what actions you may take as a result of being exposed to the Content. You release Company from all liability for you having acquired or not acquired Content through the Services. The Services may contain, or direct you to websites containing, information that some people may find offensive or inappropriate. Company makes no representations concerning any content contained in or accessed through the Services, and the Company will not be responsible or liable for the accuracy, copyright compliance, legality or decency of material contained in or accessed through the Services. Company makes no representations or warranties regarding suggestions or recommendations of services or

products offered or purchased through the Services. Products and services purchased (whether or not following such recommendations or suggestions) are provided "AS IS" without any warranty of any kind from Company or others unless, with respect to others (only), otherwise made expressly and unambiguously in writing by a designated third party for a specific product or service.

The services, content, website, products and services obtained through the website, and any software provided on an "as is" basis, without warranties of any kind, either express or implied, including, without limitation, implied warranties of merchantability, fitness for a particular purpose, non-infringement, or that use of the services will be uninterrupted or error-free. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

If you have questions regarding the Terms of Use, please contact Lono at support@lono.io.

FCC Regulatory Statement

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 manufacturer could void the user's authority to operate the equipment.

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

Industry Canada Regulatory Statement

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

IMPORTANT! Tous les changements ou modifications pas expressément approuvés par la partie responsable de la conformité ont pu vider l'autorité de l'utilisateur pour actioner cet équipement.

47 CFR 15.505- FCC

NOTE: 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 or 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.

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

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada

FCC 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 and your body.

Industry Canada Radiation Exposure Statement

Important Note:

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 and your body.

Note Importante: (Pour l'utilisation de dispositifs mobiles)

Declaration 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.

Lono LLC

686 East 110 South, Suite 102
American Fork, UT 84003

CAUTION: Battery may explode if mistreated. Do not recharge, disassemble or dispose of in fire.

