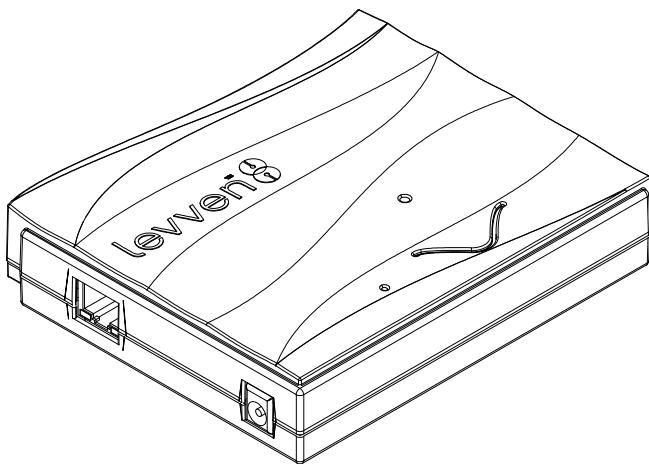


# Levven Controls



**Model Number: LC-Q2**



## Operating Instructions

A product by  
**levven**™

## TABLE OF CONTENTS

---

<b>1</b>	<b>IMPORTANT SAFETY INSTRUCTIONS.....</b>	<b>3</b>
<b>2</b>	<b>BOX CONTENTS.....</b>	<b>4</b>
<b>3</b>	<b>GETTING STARTED .....</b>	<b>4</b>
3.1	PRECAUTIONS .....	4
3.2	PLACEMENT .....	4
3.3	NOTABLE PRODUCT FEATURES .....	4
3.4	FRONT PANEL .....	5
3.5	DC POWER INPUT.....	5
3.6	POWER ON .....	6
3.7	GET THE APP .....	6
3.8	CONNECTING TO YOUR HOME NETWORK .....	6
<b>4</b>	<b>USING Q .....</b>	<b>6</b>
4.1	GROUP CONTROLLERS (IF USING MULTIPLE CONTROLLERS).....	6
4.2	HOW TO PAIR SWITCHES AND CONTROLLERS TOGETHER.....	7
4.3	HOW TO RESET THE NETWORK GROUP CONFIGURATION.....	7
4.4	CLEAR ALL SETTINGS / FACTORY DEFAULT .....	7
<b>5</b>	<b>TROUBLESHOOTING .....</b>	<b>8</b>
<b>6</b>	<b>SPECIFICATIONS .....</b>	<b>9</b>
<b>7</b>	<b>CERTIFICATIONS AND AGENCY APPROVALS .....</b>	<b>10</b>
<b>8</b>	<b>WARRANTY .....</b>	<b>11</b>
<b>9</b>	<b>FCC STATEMENT .....</b>	<b>12</b>
<b>10</b>	<b>ISED CANADA STATEMENT.....</b>	<b>13</b>
<b>11</b>	<b>CONTACT INFORMATION .....</b>	<b>14</b>

## **1    IMPORTANT SAFETY INSTRUCTIONS**

---

Only use Q with its included AC wall adapter.

## **2 BOX CONTENTS**

---

- (1) Q
- (1) AC wall adapter
- (1) Operating instruction manual
- (1) CAT-5 Ethernet patch cable

## **3 GETTING STARTED**

---

Thank you for purchasing Q! If you have used other network equipment before, you will find the installation and operation very simple and easy.

### **3.1 PRECAUTIONS**

Please read this manual carefully. It includes basic installation and operating instructions that will help you get optimum performance from your system. Please contact your authorized Levven Controls dealer or retailer for answers to any questions you might have. In addition, all of us at Levven welcome your questions and comments.

### **3.2 PLACEMENT**

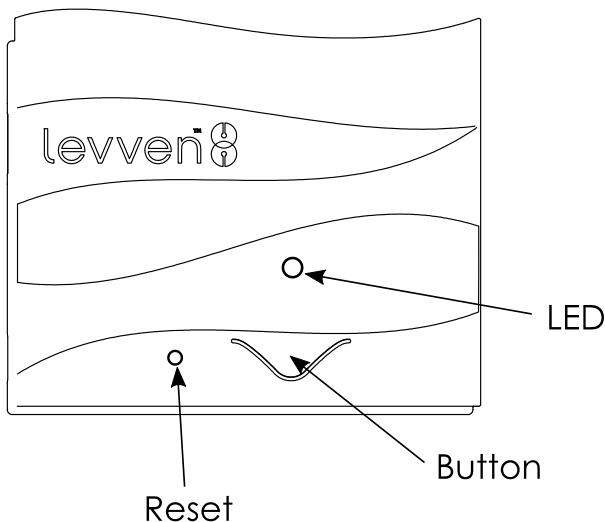
There must be adequate clearance around the product. Use common sense when placing the product in a cabinet and do not stack other equipment on top. Place the product

Levven Controls have a xx-foot (xx-metre) communication range. When deciding the best location for Q, include the distance needed to transmit from outside spaces like the back yard, garage, or patio. For optimum wireless reception, mount your Q vertically on a wall. Installing it flat on a non-metallic rack or shelf will yield a smaller wireless reception range. Ideally, install your Q in a central location in your home near your Internet or home network appliance – for example your WiFi router or network switch.

### **3.3 NOTABLE PRODUCT FEATURES**

- a) Q can connect to your wired home network (Ethernet).
- b) Q uses simple single-button pairing.

### 3.4 FRONT PANEL



#### 3.4.1 LED

This LED has 3 colors: red, green, and blue. On startup, the LED flashes blue. When startup is complete, the LED is lit solid green.

#### 3.4.2 BUTTON

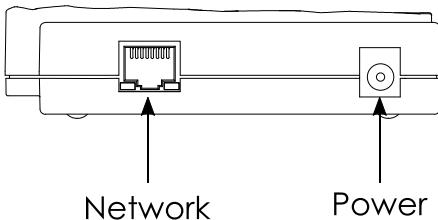
This button has several functions but is primarily used to group the gateway to your existing Levven Controls device group.

#### 3.4.3 RESET BUTTON

This button is recessed behind the plastic enclosure and can only be pressed with a small object such as a paper clip or needle. It

### 3.5 DC POWER INPUT

Q's included AC wall adapter will operate between 90 – 250 AC line voltage with a line frequency of either 50 Hz or 60 Hz. There is no need to convert or adjust the unit in any way.



### 3.6 POWER ON

1. Install the wall adapter DC jack into Q's power port.
2. Install the wall adapter into an AC outlet.
3. Q's LED will flash during power up and light solid green when ready.

### 3.7 GET THE APP

The Levven Controls app is available on the Android Play Store and the Apple App Store. Search each store for "Levven Controls".

### 3.8 CONNECTING TO YOUR HOME NETWORK

Simply connect the supplied CAT-5 patch cable from your home network router or network switch to Q's RJ-45 Ethernet port.

## 4 USING Q

---

### 4.1 GROUP CONTROLLERS (IF USING MULTIPLE CONTROLLERS)

All controllers in a building or area must be grouped together for smart features to work. Only controllers with no previously saved group can join a group.

To begin, press and release the 'Pair' button on one of the controllers in the group (C1).

Press and release the 'Pair' button on new controller being added to the group (C2).

Press and release the 'Pair' button on the first controller (C1) again to complete the grouping.

## **4.2 HOW TO PAIR SWITCHES AND CONTROLLERS TOGETHER**

Press and release the 'Pair' button on the controller. The LED on the controller will flash green.

NOTE: If there is no pairing request received within 60 seconds, the controller will quit the pairing procedure and the LED will return to a solid green indicator.

Squeeze then quickly release both ends of the switch. On release, the switch sends a unique pair code to the controller. The controller LED status indicator will flash green/red to confirm receipt.

Press 'Pair' on the controller to confirm the pairing. The LED will flash green to indicate success.

## **4.3 HOW TO RESET THE NETWORK GROUP CONFIGURATION**

To clear the Q's network group, press and hold the 'Pair' button for 5 seconds. The LED will flash red to indicate the network group information has been cleared.

## **4.4 CLEAR ALL SETTINGS / FACTORY DEFAULT**

To clear all settings and return Q to its factory default, first power on Q then press and hold the reset button for 10 seconds. The LED status indicator will flash 8 times.

## 5 TROUBLESHOOTING

---

**Issue** Power LED Is Not On

**Fix** There is no power.

Check the AC wall adapter power connections and the AC outlet.

**Issue** Smartphone App Does Not Connect

**Fix** If the wall adapter is getting AC power, check the CAT-5 patch cable is connected to Q's RJ-45 Ethernet port, and that your home network switch or router is powered.

Check that your smartphone is connected to your home's Wi-Fi network.

## 6 SPECIFICATIONS

---

Input Power Requirements	5V +/- 5%, 3A
Power Consumption	Maximum 15 watts
GCX radio working frequency range	902 to 928 MHz
GCX radio maximum output power	20 dBm (100 mW)
Dimensions (WxHxD)	125 X 105 X 29 mm
Weight (net)	250 g
AC wall adapter	5V 3A US plug, 1m cable, black
Indoor use only	

All specifications are accurate at the time of printing. Levven reserves the right to make improvements without notice.

## **7 CERTIFICATIONS AND AGENCY APPROVALS**

---

- FCC Part 15 Class B
- IC ICES-3(B)/NMB-3(B)

FCC ID: 2AA9N-LCQ2

Industry Canada ID: 11506A-LCQ2

All specifications are accurate at the time of printing. Levven reserves the right to make improvements without notice.

## **8 WARRANTY**

---

### **1-YEAR LIMITED WARRANTY**

Levven Electronics Ltd. ("Levven") warrants that Q you have purchased shall be free of any defects in parts and workmanship if used under normal operating conditions for a period of one (1) year from the date of purchase, except this warranty shall apply only to the original purchaser.

**PLEASE RETAIN YOUR SALES RECEIPT, AS IT IS YOUR PROOF OF PURCHASE COVERING YOUR LIMITED WARRANTY.**

**THIS WARRANTY IS VOID WITHOUT SUCH PROOF OF PURCHASE.**

Defective units will be repaired or replaced without charge, at Levven's discretion, with a like or comparable product by the Dealer if presented with proof of purchase to the Authorized Levven Audio Dealer from whom Q was purchased. Any repair or service performed by any person or entity other than Levven is not covered by this limited warranty. Transportation costs are not included in this warranty. This limited warranty becomes void if the product has been damaged by alteration, misuse, accident, or neglect; or the product has been repaired or serviced by persons not authorized by Levven. THE FOREGOING CONSTITUTES THE ONLY WARRANTY MADE BY LEVVEN WITH RESPECT TO THE PRODUCT AND IS MADE EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED. Any implied warranties, including without limitation, any implied warranties of merchantability or fitness for any particular purpose, imposed under state law are limited to the duration of this limited warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not be applicable to you.

This warranty is void if the Q enclosure has been opened.

**LEVVEN ASSUMES NO LIABILITY FOR PROPERTY DAMAGE RESULTING FROM NEITHER FAILURE OF THIS PRODUCT NOR ANY LOSS OF INCOME, SATISFACTION OR DAMAGES ARISING FROM THE LOSS OF USE OF SAME DUE TO DEFECTS OR AVAILABILITY OF SAME DURING SERVICE.**

**NOTE:** This warranty applies only to products purchased and serviced within the U.S.A. and Canada. Warranties outside these countries are as defined by the authorized Levven Audio Distributor for your country or region and may vary from the above in terms and/or length.

Thank you again! We hope you enjoy your Q. Visit <http://levven.com> and share your stories with us!

## 9 FCC STATEMENT

---

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

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.

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. 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.

## **10 ISED CANADA 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.

## 11 CONTACT INFORMATION

---

Leven  
9741 – 54 Ave NW  
Edmonton, Alberta T6E 5J4  
Canada

Customer service:  
+1 (780) 391-3000

