

# Plugzio Integrated Installation Manual



Model 120C20V1 shown with NEMA 5-20 receptacle,  
15A models have NEMA 5-15 receptacle

## For use with Plugzio Integrated Models:

15A Models	20A Models
120L15V1	120L20V1
120C15V1	120C20V1
120W15V1	120W20V1

**Enclosure:** NEMA 1 Non-metallic (PC-ABS) rated for indoor use

**Voltage:** 120V a.c., 1-ph

**Output Current:** 15A or 20A (depending on model)

**Integrated Receptacle:** NEMA 5-15 (15A models), NEMA 5-20 (20A models)

## **IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS**

### **WARNINGS AND CAUTIONS:**

- DO NOT attempt to repair or service the **Plugzio Integrated** yourself. Refer to the Troubleshooting section, or Customer Support section for service information.
- Retain this guide for future reference.

**WARNING!** DANGER OF ELECTRICAL SHOCK OR INJURY. TURN OFF POWER AT THE PANELBOARD OR LOAD CENTER BEFORE WORKING INSIDE THE EQUIPMENT OR REMOVING ANY COMPONENT. DO NOT REMOVE CIRCUIT PROTECTIVE DEVICES OR ANY OTHER COMPONENT UNTIL THE POWER IS TURNED OFF

**CAUTION:** DISCONNECT ELECTRICAL POWER PRIOR TO INSTALLING THE **Plugzio Integrated**. FAILURE TO DO SO MAY CAUSE PHYSICAL INJURY OR DAMAGE TO THE ELECTRICAL SYSTEM AND CHARGING UNIT.

The **Plugzio Integrated** shall be installed only by a licensed contractor, and/or a licensed electrician in accordance with all applicable state, local and national electrical codes and standards.

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Before installing the **Plugzio Integrated**, review this manual carefully and consult with a licensed contractor, licensed electrician and trained installation expert to ensure compliance with local building practices, climate conditions, safety standards, and state and local codes.

Use appropriate protection when connecting to the main power distribution cable.

### **INSTRUCTIONS PERTAINING TO THE RISK OF ELECTRIC SHOCK**

1. Read all the instructions before using this product. Install and operate only as instructed. Failure to do so may lead to death, injury, or property damage, and will void the Limited Warranty
2. Only use licensed professionals to install **Plugzio Integrated** and adhere to all national and local building codes and standards. **Plugzio Integrated** should only be installed by an approved person according to any NEC or CEC installation standards.
3. Communicate with a certified contractor, certified electrician or trained installer to ensure compliance with local building code, regulation, security standards and weather conditions.
4. DO NOT use this product if the enclosure is broken, cracked, open, or shows any other indication of damage.
5. This device is not suitable for use in hazardous locations. Do not install **Plugzio Integrated** near flammable, explosive, or combustible materials.
6. An equipment-grounding conductor must be run with the circuit conductors and connected to the equipment grounding terminal and installed by a certified electrician.
7. Plastic enclosures are not conductive! The continuity of a conduit system shall be provided by metal-to-metal contact, not relying on the polymeric material.

**CAUTION:** To reduce the risk of fire, connect only to a branch circuit provided with a maximum surge protection of 15A (for 15A models) or 20A (for 20A models) in accordance with the Canadian Electrical Code (CSA C22.1-12) and the National Electrical Code (ANSI / NFPA 70).

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## Recommended Tools

### Supplied Accessories and Components

- Four 6-32x2" screws for mounting into 2-gang box

### Installer-supplied components

- 2-gang device box of appropriate type for installation requirements
  - If using a metallic device box, we recommend:
    - 4 In. Square Device Box 2-1/8 In. Deep BC52171-K or similar
    - 4" Square Raised Box Cover BC52-C-17 (the raised box cover allows the **Plugzio Integrated** to be mounted flush
      - Note: make sure to orient the cover correctly before installing **Plugzio Integrated**
- Wire of appropriate gauge for installation type
- Marrettes, wire nuts, or other wire connections appropriate to installation type

### Recommended Tools

- Phillips #2 screwdriver

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## Dimensions

- Internal Dimensions (inserted to 2 gang device box):
  - X: 69mm
  - Y: 80mm
  - Z: 35mm
- External Dimensions (external to 2 gang device box):
  - X: 125mm
  - Y: 125mm
  - Z: 40mm

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## Certifications

All listed **Plugzio Integrated** models are certified for use in the U.S. and Canada and conform to CSA C22.2 No. 320 & UL 508.

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## Installation Instructions

**Note: Plugzio Integrated** is intended to provide control of a single integrated receptacle for 120V single phase. Each **Plugzio Integrated** should be connected to its own breaker of appropriate rating and should not be connected to any dual receptacles or to multiple downstream receptacles. The **Plugzio Integrated** has colour coded wire pigtail connections for L-IN (black) NTRL (white), and GND (green) connections. The conduits and junction boxes are outside the scope of this manual.

**Sample Installation:** <https://www.youtube.com/watch?v=LvavljEKAVw> (QR Code #1)

**WARNING!** Disconnect electrical power before installing **Plugzio Integrated**!

**Step 1:** Use marrettes, wire nuts, or other approved connection methods for installation type to connect L-IN (black) NTRL (white), and GND (green) pigtail wires to appropriate incoming power wires.

**Step 2:** Use included 6-32x 2" screws to mount **Plugzio integrated** into the two-gang box.

**Step 3:** Turn on breaker and check connectivity:

**WARNING! Plugzio Integrated** starts up in Always On mode, any connected electrical equipment will be immediately energized.

- LED will blink green on startup and then move to Cyan while finding a connection
- LED will breath Cyan once connected
  - Initial connection can take a few minutes
- Connected outlet or equipment will energized by default so that it can be checked for correct wiring
- Once the **Plugzio Integrated** unit is registered the mode can be changed

## Troubleshooting and Customer Support

To see an example of the network connection process, watch the LED Colour & Pattern for Installers video: <https://www.youtube.com/watch?v=7cPs4aXMSes&t=> (QR Code #2)

For a more advance guide on LED Colors & Patterns, visit <https://www.youtube.com/watch?v=zmpYJiDJm4Y&t=> (QR Code #3)

- If any other LED colors are seen, please contact Plugzio support at 1 833-758-4946 or [hello@plugzio.com](mailto:hello@plugzio.com)
- If the unit is having trouble connecting press the square reset button (located just above the LED) for 5 seconds to reset the device. LED will be off while reset is pressed.



QR Code #1



QR Code #2



QR Code #3