CLIQ.mini Installation and Setup Guide - AU

Last modified: 03/26/18

Description

The Clare Controls CLIQ.mini controller provides all device management services, supports all Clare user interface services, and acts as the gateway to the ClareCloud for system updates. The controller comes complete with the ClareOS preloaded. The controller also comes equipped with Z-Wave Plus™ for controlling your Z-Wave devices, such as integrated lighting, thermostats, sensors, and door locks.

Note: Models are subject to change without notice.

WARNING: Any changes or modifications made to this product not expressly authorized by the manufacturer could void the user's right to operate this device.

Unpacking the CLIQ.mini

Remove all contents from the CLIQ.mini packaging and ensure you have the following items.

- 1 × CLIQ.mini device (p/n CLIQ-MOSM-10)
- 1 × USB power supply (p/n 500-1832-1)
- 1 × wall mounting kit (p/n 950-5002-0)
  - 1 × wall mounting bracket (p/n 200-1838-0)
  - 2 × long screws (8-32 × 5/16") (p/n 100-1834-0)
  - 2 × short screws (6-32 × 3/4") (p/n 100-1849-0)
- 1 × paper clip (p/n 999-1852-0)
- 1 × CLIQ.mini Quick Start Guide (CC-DOC-1284)
- 5 × UUID/Mac identification labels (CC-DOC-1318)

WARNING: Do not apply power to the CLIQ.mini until installation is complete. Failure to do so may result in bodily injury and/or damage to the equipment.

Installation

We recommend placing the CLIQ.mini in an open centrally located area within the home, and using the included wall mount to attach the CLIQ.mini to a standard single gang box.

The CLIQ.mini should not be mounted in a structured enclosure, panel, or closet. If the CLIQ.mini is placed in a closed off area, the wireless signal strength may be compromised.

Note: To prevent radio frequency (RF) interference, we recommend that you place the CLIQ.mini away from devices that may cause interference and away from grounded metals.

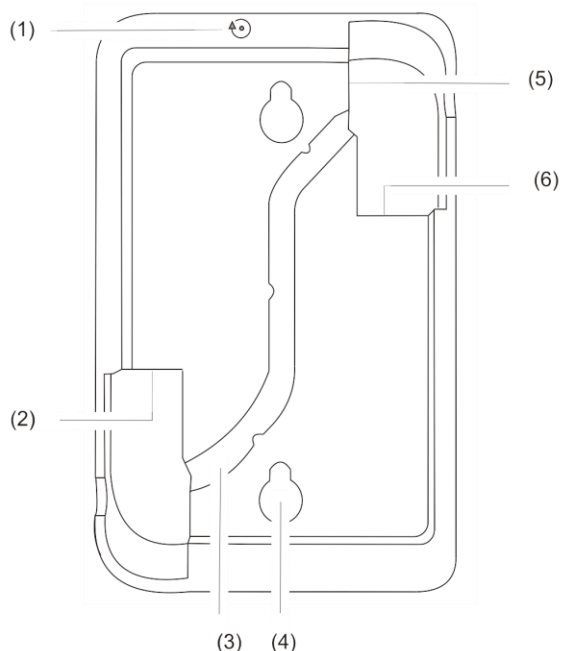**Figure 1: CLIQ.mini rear connections**

Figure 1

(1)	Recessed push button	(4)	Wall mount slots
(2)	2 USB ports	(5)	Micros USB port
(3)	Wire routing channel	(6)	Ethernet port

Powering on and connecting the CLIQ.mini

After installing the CLIQ.mini and downloading the ClareHome App, power on the CLIQ.mini. The CLIQ.mini can be powered using PoE or the included 5v micro USB adapter.

WARNING: You must follow the instructions below to power your CLIQ.mini. Failure to do so may result in bodily injury and/or damage to the equipment.

Connecting power to the CLIQ.mini

Note: PoE connection can be provided through a PoE switch or PoE injector, not included with the CLIQ.mini.

Connecting with a PoE switch:

1. Verify the PoE switch is connected to the Internet.

2. Connect the Ethernet cable from the PoE enabled switch to the Ethernet port on the CLIQ.mini. See Figure 1, item 6.

3. Once the mini has internet connection, the mini may update. Once the mini begins to update, the LED flashes blue and red in unison. This update can take up to ten minutes.

   Note: Do not remove power or network connection during this process, doing so may cause damage to the ClareHome system requiring maintenance from Technical Services.

Connecting with a PoE injector with LAN:

Notes

- This requires two Ethernet cables, they are referred to as cable #1 and cable#2.

- PoE devices are not included with the CLIQ.mini.

1. Plug an Ethernet cable (#1) into the Ethernet port on your CLIQ.mini. See Figure 2, item 1.1.

2. Plug the opposite end of the cable into the PoE injector port labeled POE. See, Figure 2, item 1.2.

3. Plug a separate Ethernet cable (#2) into the LAN port on the PoE injector. See, Figure 2, item 2.1.

4. Plug the opposite end of the Ethernet cable (#2) into an Ethernet port on your router. See Figure 2, item 2.2.

5. Plug the PoE power supply into the D/C port on the PoE injector. See Figure 2, item 6.2.

6. Plug the PoE power supply into a wall outlet. See Figure 2, items 6 and 5.

7. Once the mini has internet connection, the mini may update. Once the mini begins to update, the LED flashes blue and red in unison. This update can take up to ten minutes.

   Note: Do not remove power or network connection during this process, doing so may cause damage to the ClareHome system requiring maintenance from Technical Services.
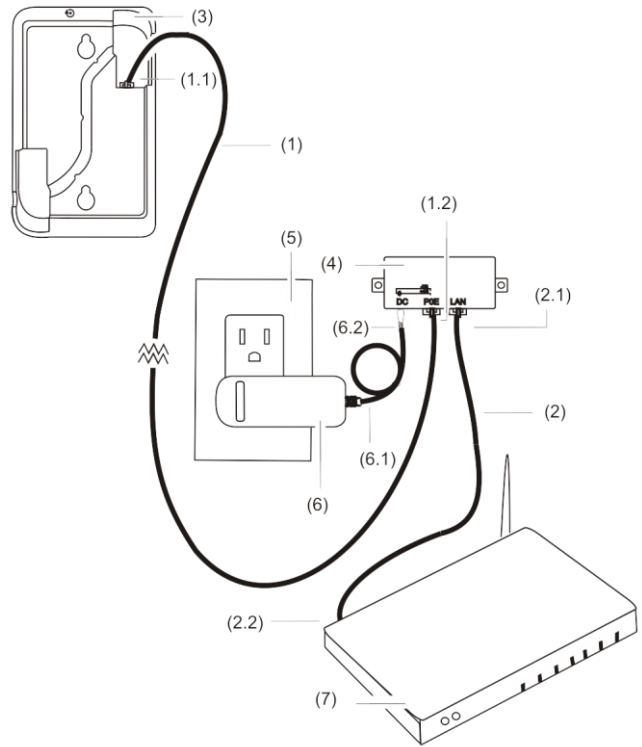
Figure 2

(1)	Ethernet cable #1	(2.2)	Ethernet cable #2 connected to the Ethernet port on the router
(1.1)	Ethernet cable #1 connected to the CLIQ.mini Ethernet port	(3)	CLIQ.mini
		(4)	PoE injector
(1.2)	Ethernet cable #1 connected to the PoE port on the PoE injector	(5)	Wall outlet
		(6)	PoE injector power supply
(2)	Ethernet cable #2	(6.1)	PoE injector power supply cable
(2.1)	Ethernet cable #2 connected to the LAN port of the PoE injector	(6.2)	PoE power supply connected to the DC port
		(7)	Wireless router

Connecting with a PoE injector with Wi-Fi:

Notes

- This requires an Ethernet cable and an existing Wi-Fi source.

- PoE devices are not included with the CLIQ.mini.

1. Plug an Ethernet cable (#1) into the Ethernet port on your CLIQ.mini. See Figure 3, item 1.1.

2. Plug the opposite end of the cable into the (provided) PoE injector port labeled POE. See, Figure 3, item 1.2.

3. Plug the PoE power supply into the D/C port on the PoE injector. See Figure 3, item 5.2.

4. Plug the PoE power supply into a wall outlet. See Figure 3, items 5 and 4.

5. Once the mini has a Wi-Fi connection, the mini may update. Once the mini begins to update, the LED flashes blue and red in unison. This update can take up to ten minutes.

   Note: Do not remove power or network connection during this process, doing so may cause damage to the ClareHome system requiring maintenance from Technical Services.
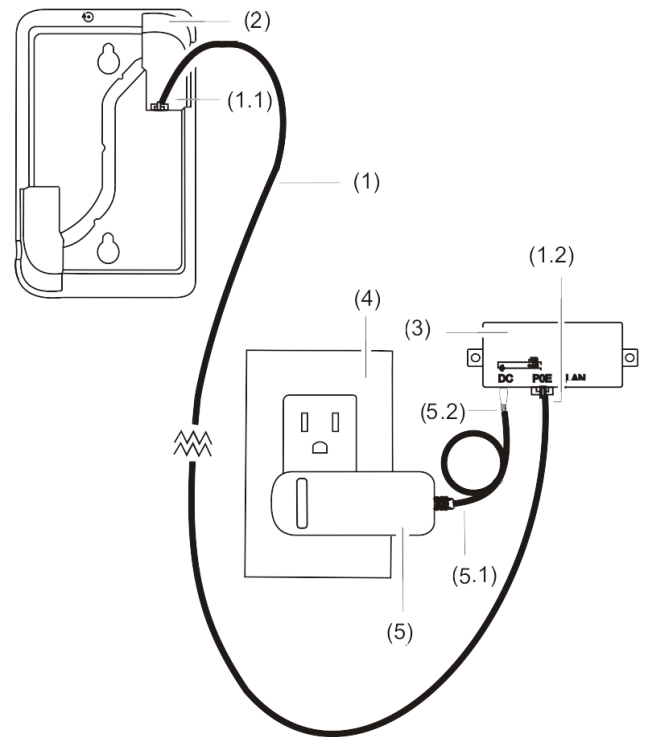
Figure 3: CLIQ.mini PoE Wi-FI connection

Figure 3

(1)	Ethernet cable	(3)	PoE injector
(1.1)	Ethernet cable connected to the CLIQ.mini Ethernet port	(4)	Wall outlet
		(5)	PoE injector power supply
(1.2)	Ethernet cable connected to the PoE port on the PoE injector	(5.1)	PoE injector power supply cable
		(5.2)	PoE power supply connected to
(2)	CLIQ.mini		

To connect power to the CLIQ.mini using the micro USB: (Wi-Fi use)

1. Plug the micro USB end of the power adapter into the micro USB port on the upper-right rear corner of the CLIQ.mini See Figure 4, item 2.2.

2. Connect the power supply's plug end into a wall outlet. See Figure 4, items 2 and 3.

3. Check the LED on the top edge of the CLIQ.mini. It flashes red until Wi-Fi is configured. See Figure 7, item 1.
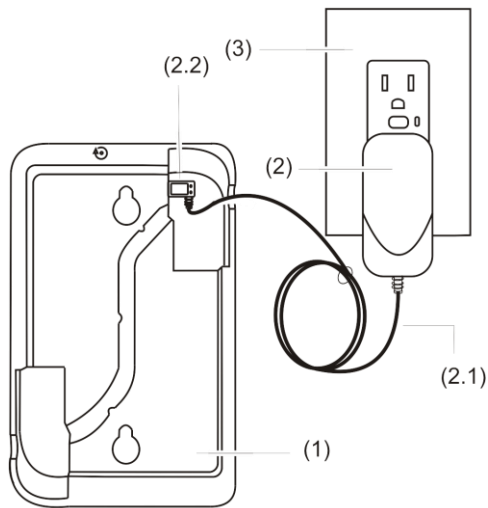
Figure 4: CLIQ.mini 5v micro USB connection

Figure 4

(1)   CLIQ.mini
(2)   5v micro USB power supply
(2.1) 5v micro USB power supply cable
(2.2) 5v micro USB plugged in to the CLIQ.mini micro USB port
(3)   Wall outlet

To connect power to the CLIQ.mini using the micro USB: (LAN use)

Notes

- This setup requires a Local Area Network (LAN).
- LAN connection requires an Ethernet cable.

1. Plug an Ethernet cable into the Ethernet port on your CLIQ.mini. See Figure 2, item 1.1.

2. Run the Ethernet cable through the wire routing channel, and then Plug the opposite end of the cable into the Ethernet port on the router. See Figure 1, item 3.

3. Plug the micro USB end of the power adapter into the micro USB port on the upper-right rear corner of the CLIQ.mini See Figure 4, item 2.2.

4. Connect the power supply's plug end into a wall outlet. See Figure 4, items 2 and 3.

5. Once the mini has internet connection, the mini may update. Once the mini begins to update, the LED flashes blue and red in unison. This update can take up to ten minutes.

    Note: Do not remove power or network connection during this process, doing so may cause damage to the ClareHome system requiring maintenance from Technical Services.

CLIQ.mini ClareHome setup

After the CLIQ.mini's installation, setup the connection.

There are two different setup options, PoE (Power over Ethernet) and Wi-Fi connection. Follow the steps according to how the CLIQ.mini is powered.

To connect your CLIQ.mini using PoE/LAN:

Notes

- If the CLIQ.mini's LED is not solid blue after 90 seconds, see "Troubleshooting steps" on page 6.

- Your Android or iOS device must be connected to your home network.

1. Download and open the ClareHome App.

2. Tap the **Inventory** icon ⊕ , and then tap the **Settings** icon ⚙ .

3. The Locations dialog displays. Select the displayed project.

    Note: The project displays as
    - -*No project- - (ClareHome)*. See Figure 5.

4. Enter the **PIN 1234** as prompted.

5. Tap outside of the Locations dialog box.

    You are now ready to configure the project from Fusion.

To connect your CLIQ.mini using Wi-Fi:

1. Download the ClareHome App.

2. Ensure that the CLIQ.mini is powered on, and then connect your Android or iOS device to the Clare Wi-Fi (Clare Wi-Fi XXXX).

    Note: XXXX represents the last characters 4 of the unit's MAC address.

3. Open the ClareHome App, and then wait for network dialog to display.

4. Enter your home's Wi-Fi SSID and password as prompted, and then tap **Next**.

    Note: The SSID and password are case sensitive.

5. Follow the displayed instructions.

6. Wait for the LED to become solid blue, this can take up to 90 seconds.

Notes

- If the LED does not change solid blue, see "Troubleshooting steps" on page 6.

- Once the mini has internet connection, the mini may update. Once the mini begins to update, the LED flashes blue and red in unison. This update can take up to ten minutes.

- Do not remove power or network connection during this process, doing so may cause damage to the ClareHome system requiring maintenance from Technical Services.

7. Reconnect your Android or iOS device to your home's Wi-Fi, and then re-open the ClareHome App.

8. Tap the **Inventory** icon ➕ , and then tap the **Settings** icon ⚙ .

9. The Locations dialog displays. Select the project *-- No project -- (ClareHome)*. See Figure 5.

10. Tap outside of the Locations dialog box, and then enter the **PIN 1234** as prompted.
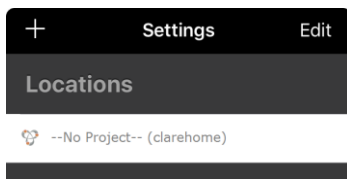
Figure 5: ClareHome project display

Figure 5

Configure, test, and deploy a project

Refer to the *Fusion Configuration Tool Administrator Guide (Doc ID 069)* for instructions on creating, testing, and deploying a project. When you deploy the project from Fusion, it will deploy to the CLIQ.mini.

Mounting the CLIQ.mini on a standard single gang box

When mounting the CLIQ.mini to the desired gang box, we recommend using the provided wall mounting bracket.

To mount the CLIQ.mini on a standard single gang box:

1. Place the wall mount against a standard gang box. See Figure 6, items 1 and 3.

2. Align the long screws in the wall mount, and then fully screw them in. Repeat this with the short screws, stopping with enough room remaining to support the CLIQ.mini. See Figure 6, items 4 and 5.

3. Align the CLIQ.mini over the screws, and then slide it down, locking it in place. See Figure 6, item 6.
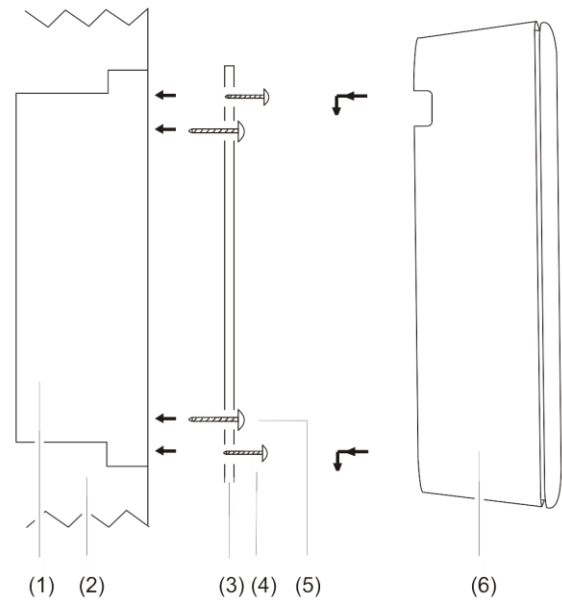
Figure 6: CLIQ.mini wall mounting

Figure 6

(1)	Gang box	(4)	Short screws
(2)	Wall	(5)	Long screws
(3)	Wall mount	(6)	CLIQ.mini

Understanding LED colors and the CLIQ.mini status

The CLIQ.mini has LED indicators that change colors based on the CLIQ.mini's status. Once powered on, observe the CLIQ.mini's LED status. Figure 7 identifies the LEDs on the CLIQ.mini.

Note: The ClareHome connection can take up to 90 seconds. Wait the full 90 seconds before attempting to troubleshoot.

Blue

- When the LED flashes blue in 1 second intervals, the device is booting normally.

- When the device is solid blue after booting up, the device is functioning properly.

- When the LED flashes blue in .5 seconds intervals, the CLIQ is unable to connect to the internet.

Red/Blue

- **Alternating:** When the LED flashes red and blue in .5 second intervals, the CLIQ.mini is restarting in Access Point (AP) mode.

- **Flashing in unison at .5 second intervals:** The CLIQ.mini is updating.

  Note: Do not remove power or network connection during this process, doing so may cause damage to the ClareHome system requiring maintenance from Technical Services.

Red/not lit

- When the LED flashes red in .5 second intervals, the CLIQ.mini is in AP mode.

  Note: When the controller is in AP mode, it creates its own wireless network.

- ClareOS is not operational.

- When the LED flashes red in 2 second intervals, the CLIQ.mini is not connected to the local network, see the "Troubleshooting steps" on page 6.

- Check the network connectivity. If there is no connection, restart the network. If there is connection, shut down and restart the CLIQ.mini.

- Check that power supplies are plugged in and wired correctly.

- When the LED is red or not lit, see the "Troubleshooting steps" on page 6.

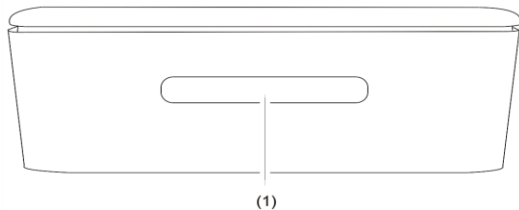**Figure 7: CLIQ.mini top-edge**

Figure 7

(1) LEDs – Illuminates solid blue when operating normally

Troubleshooting steps

When the CLIQ.mini is not functioning properly, use the LED table and troubleshooting steps below.

LED display	Troubleshooting
Blinking red in 2 second intervals	The CLIQ.mini is not connected to your local network. • The ClareHome connection may take up to 90 seconds. Wait the full 90 seconds before shutting off/rebooting the CLIQ.mini. • Ensure that there is internet in the home, reset the router, and then shut down and restart the CLIQ.mini. • If the incorrect SSID/password was entered, put the CLIQ.mini into AP mode (see "To reboot the CLIQ.mini and enter AP mode", on page 5.") Re-enter the SSID and password.
Solid red	ClareOS is not operational. • Check the network connectivity. If there is no connection, restart the network. If there is connection, shut down and restart the CLIQ.mini.
Not lit	There is no power connected to the CLIQ.mini, or the CLIQ.mini is shut down. • Check that the power supplies are plugged in and wired correctly.

To shut down and restart the CLIQ.mini:

1. Locate the recessed push button on the CLIQ.mini. See Figure 1, item 1.
2. Insert the paper clip (provided) pressing the button down and holding for 5 seconds. See Figure 8.
3. Remove the paper clip and observe the LED behavior. The CLIQ.mini's LED indicators alternate red and blue signifying it has started shutting down.
4. After the CLIQ.mini shuts down, disconnect the CLIQ.mini's power supply.
5. Reconnect the power supply and verify that the CLIQ.mini restarts. Continue with installation and setup.

To reboot the CLIQ.mini and enter AP mode:

1. Locate the recessed push button on the CLIQ.mini. See Figure 1, item 1.
2. Insert the paper clip (provided) pressing the button down and holding for 20 seconds. See Figure 8.
3. Remove the paper clip and observe the LED behavior. The CLIQ.mini's LED indicators alternate red and blue signifying it has entered the reboot state.
4. Once the CLIQ.mini boots and the LED flashes red in .5 second intervals, it is in AP mode. Continue with installation and setup.

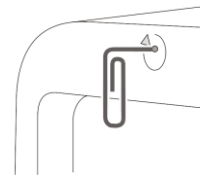**Figure 7: Paper clip pressing the recessed push button**

Figure 8

To connect your CLIQ.mini with LAN from AP mode:

1. Verify that your mini is in AP mode (LED flashes red in .5 second intervals.)
2. Connect the Ethernet cable to the Ethernet port on the CLQ.mini. See Figure 1, item 6.
3. Locate the recessed push button on the CLIQ.mini. See Figure 1, item 1.
4. Insert the paper clip (provided) pressing the button down and holding for 5 seconds. See Figure 8.
5. Remove the paper clip and observe the LED behavior. The CLIQ.mini's LED indicators alternate red and blue signifying it has started shutting down.
6. After the CLIQ.mini shuts down, disconnect the CLIQ.mini's power supply.
7. Reconnect the power supply and verify that the CLIQ.mini restarts. Continue with installation and setup.

Other things to check when troubleshooting:

- Ensure that the home has internet connection.
- If the SSID menu closes before it has successfully connected, you must shut down and restart the CLIQ.mini.

If the problem persists after following the troubleshooting steps, please contact tech support.

Specifications

I/O ports	
USB	2
General	
Processor	Broadcom ARM7
Operating system	Linux
Memory	1 GB DRAM, 8 GB Flash
Power	3.5 W (700 mA at 5 VDC)
Operating temperature	41 to 113°F (5 to 45°C)
Relative humidity	10 to 90%, non-condensing
Dimensions (W × H × D)	3.85 × 5.98 × 1.32 in. (9.77 × 15.18 ×3.35 cm)

Regulatory information

Manufacturer	Clare Controls, LLC. 7519 Pennsylvania Ave, Suite 104 Sarasota, FL 34243
FCC compliance	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.

Contact information

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Integrator/Dealer Support: 941.404.1072
claresupport@clarecontrols.com

Homeowner Support (ClareCare): 941.315.2273 (CARE)
help@clarecontrols.com

Warranty information

Clare Controls offers a three (3) year limited warranty on original Clare Controls components, from the date of shipment from Clare Controls. To view complete limited warranty details, including limitations and exclusions, www.clarecontrols.com/warranty.

Scan the code to view product warranty details.