CTC CONNECT

ACCESS2000 Network Controller & Wireless Gateway Operational Guide

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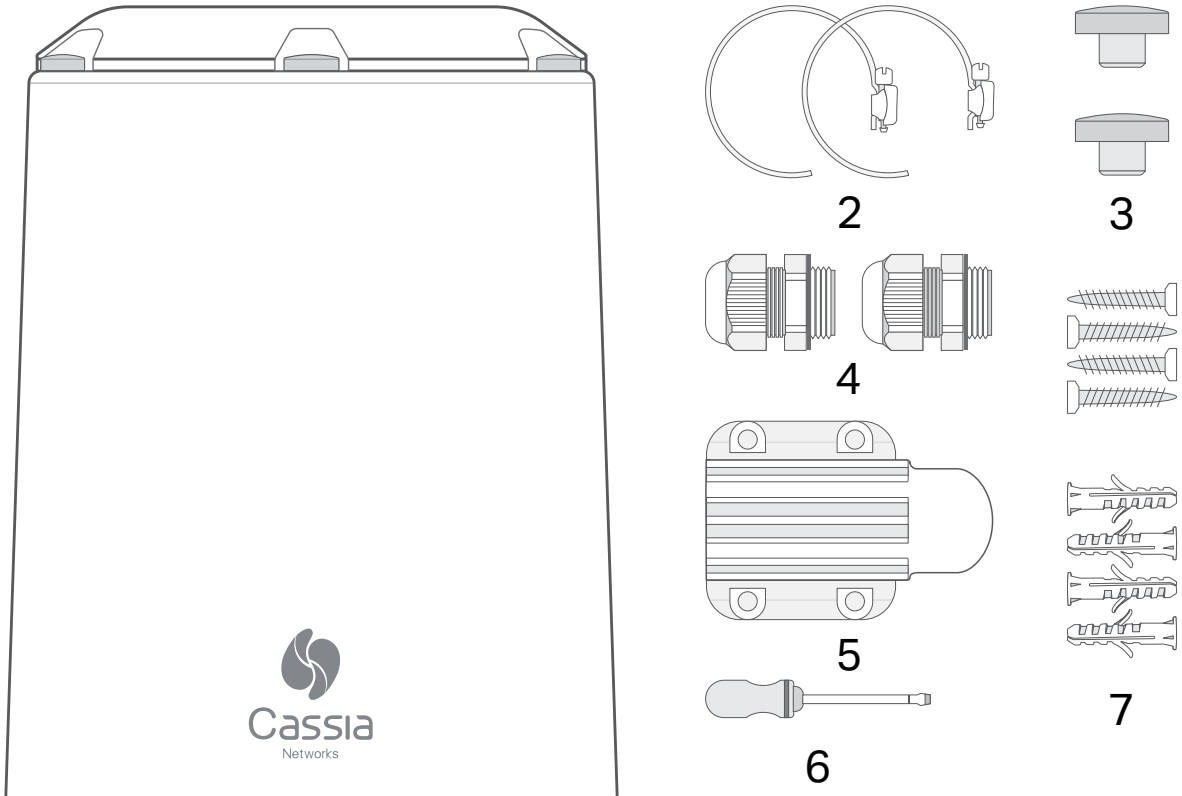
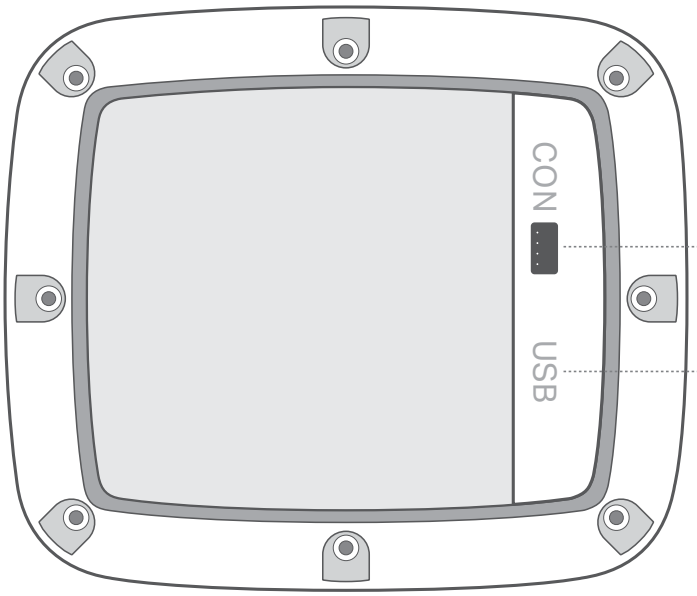
I. INCLUDED IN PACKAGE



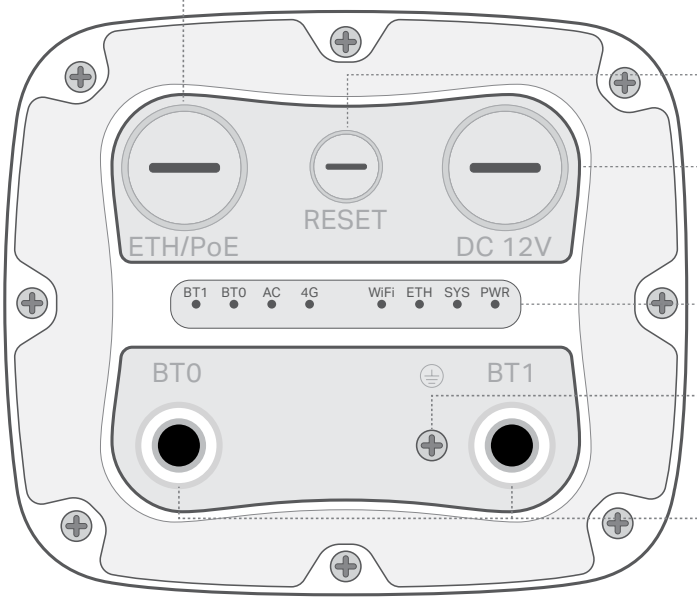
1. ACCESS2000 Router (1)
2. Pole Mounting Straps (2)
3. Extra Top Screw Covers (2)
4. Cable Glands (2)
5. Mounting Bracket (1)
6. Slotted Screwdriver (1)*
7. Anchors with Screws (2*4)

*Only for removing the Ethernet cable (depress the plastic release tab)

II. HEAD & BASE

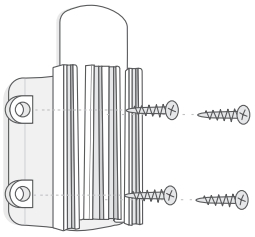


- Not used
- USB 2.0

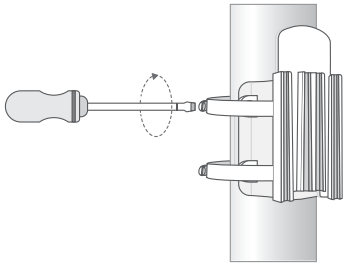


- Ethernet and PoE
- Reset
- 12V DC
- LED Lights
- Ground
- Opt. external Bluetooth antenna connectors

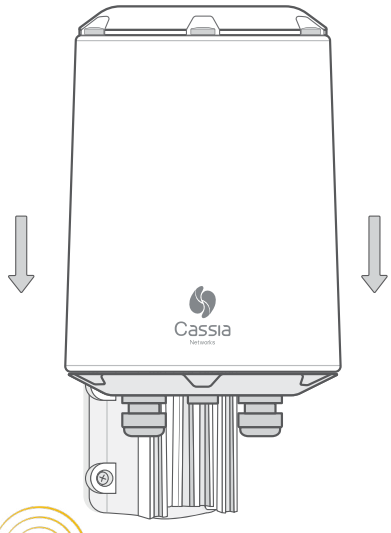
Wall Mount



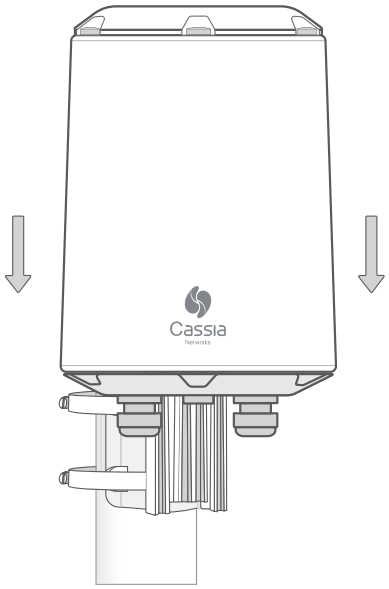
Pole Mount



Wall Mount

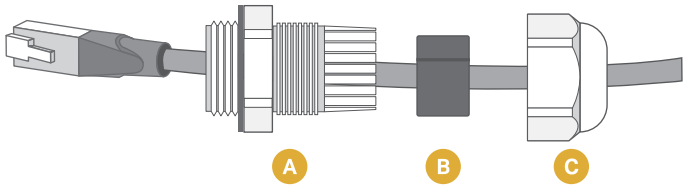


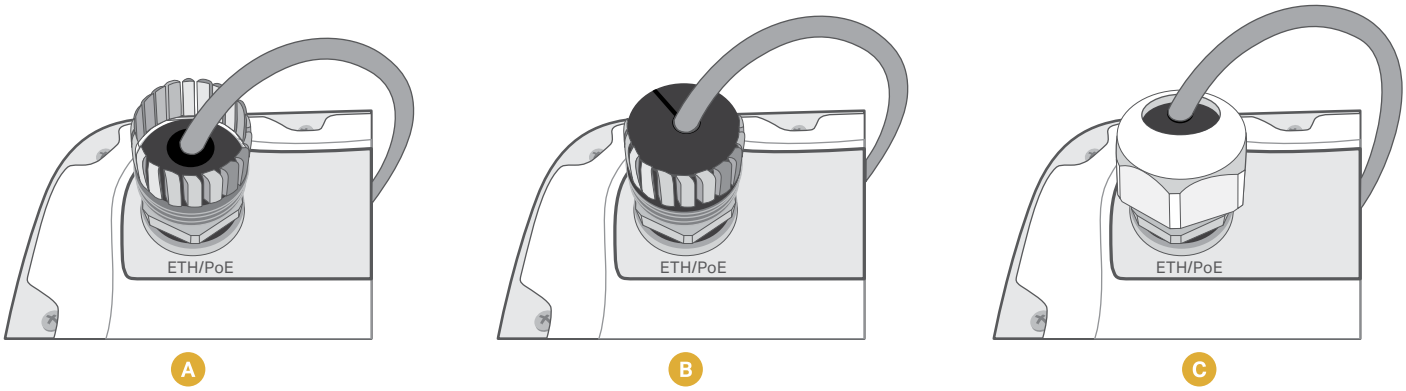
Pole Mount



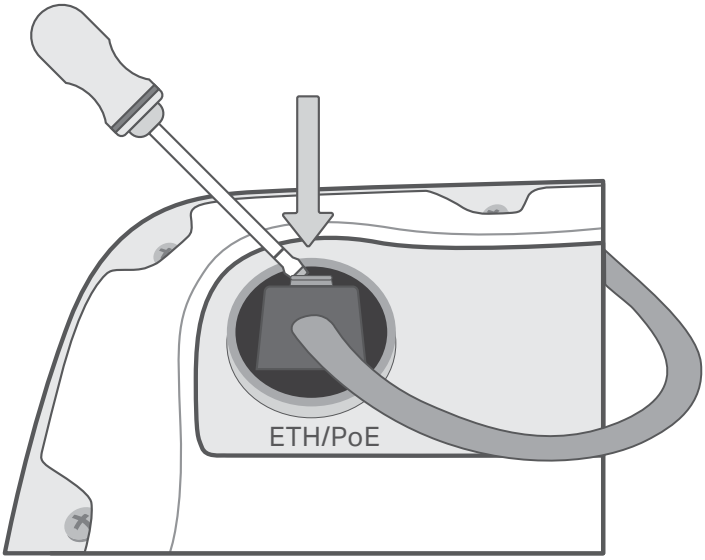
3. Connect Ethernet cable and PoE
   Remove the ETH/PoE plug (M22X1.5), pass the Ethernet cable through the cable gland, insert the RJ-45 connector into the Ethernet port of ACCESS2000, and tighten the cable gland in the order of a, b, c. The torque of step c should be less than the torque of step a.

NOTE: When removing the cable gland, please follow the order of c, b, a. Otherwise ACCESS2000 will be damaged.

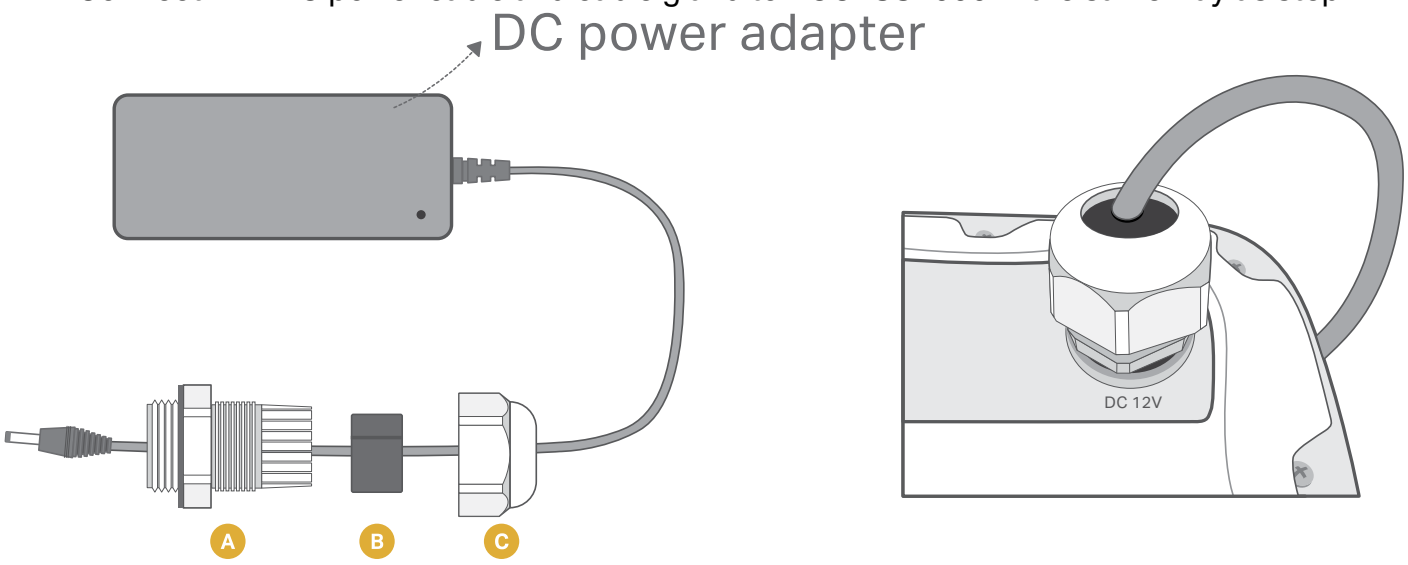




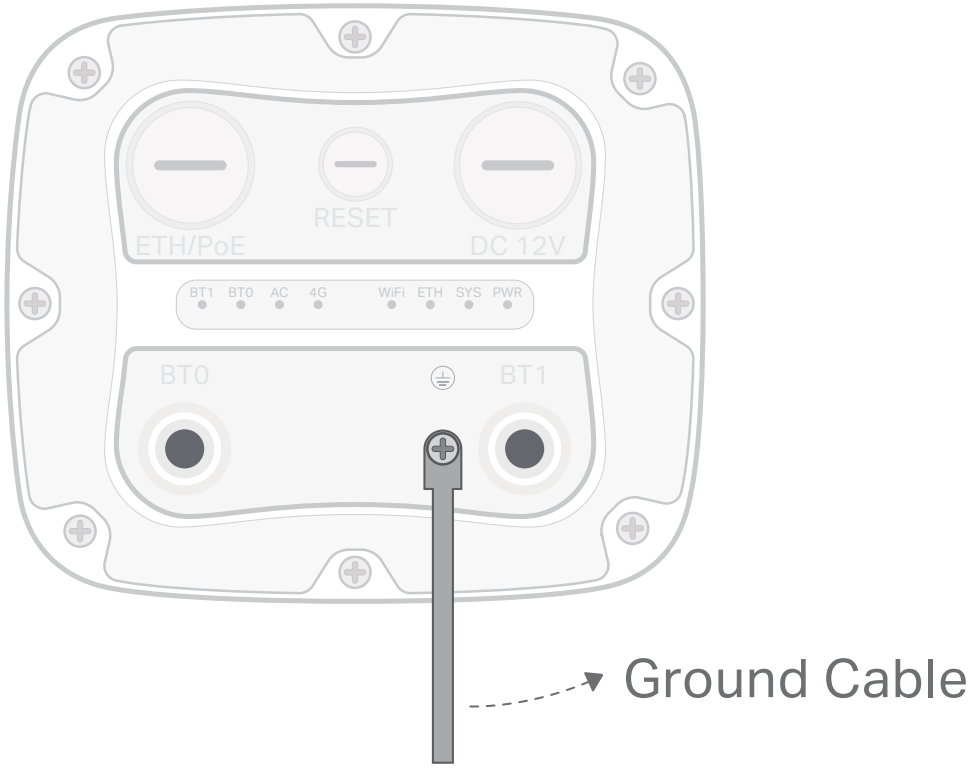
NOTE: In order to remove the Ethernet cable once it's been installed, please use the supplied screwdriver in the ACCESS2000 box or a small pointed tool of your choosing to depress the plastic release tab on the cable. See image below.



4. Connect 12V DC power cable and cable gland to ACCESS2000 in the same way as step 4



5. For outdoor ACCESS2000 installations, please connect the ground cable to ensure ACCESS2000's safety



IV. SETUP BLUETOOTH ROUTER

1. **Power On the Gateway**

   Using either:
   a. **Power over Ethernet (PoE)**
   b. **A 12V power adapter**

   Allow approximately 3 minutes for the gateway to fully boot.

2. **Connect to the Gateway WiFi**

   Once powered on, the gateway will broadcast a WiFi network.

   From your computer or laptop, connect to the network named **cassia-XXXXXX** (the last six characters of the gateway's MAC address). This can be found on the sticker on the box as well as on the bottom of the Gateway.

   The default password of the WIFI hotspot is the same as the SSID.

3. **Open the Configuration Page**

   After connecting to the gateway's WiFi, open a web browser and navigate to **http://192.168.40.1**

   The default username is: admin

   The default password is: 7939Rae!

4. **Identify the Gateway IP Address**

   Navigate to the Status tab

   You will see multiple IP addresses listed:
   a. **ETH IP** - Use this if the gateway is connected via Ethernet
   b. **WLAN IP** - Use this if the gateway is connected via WiFi

   Make note of the IP address relevant to your connection method.

5. **Configure WiFi (Optional)**

   Skip this step if you are using Ethernet.
   a. Go to the **Basic** tab
   b. Locate **Connection Priority** near the top of the page
   c. Set the connection priority to **WiFi**
   d. Scroll down to the **WiFi Client** section
   e. Enable the WiFi Client
   f. Enter your wireless network credentials
   g. Click **Apply** to save the configuration

   The gateway will now connect to your wireless network.

6. **Reconnect to Your Network**

   Disconnect from the gateway's WiFi (cassia-XXXXXX).

   Reconnect your computer to your normal network (Ethernet or WiFi).

7. **Access the Gateway User Interface**

   Open a web browser and navigate to **http://<gateway-ip>:60001**

   Replace <gateway-ip> with the **ETH IP** or **WLAN IP** identified in Step 4.

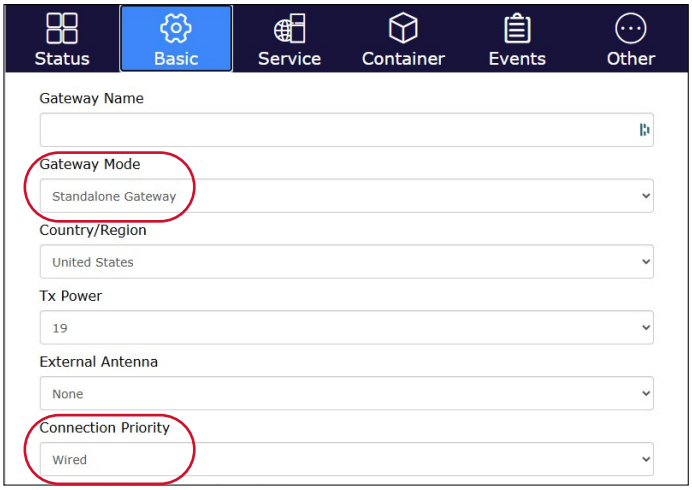
   The gateway user interface should now load.

As part of your first login, you will be prompted to change the default password. If you forget your password or can't find the Wi-Fi hotspot, please reset the router to default settings by pressing and holding the reset button for 10 seconds.

V. GATEWAY RESET PROCEDURE

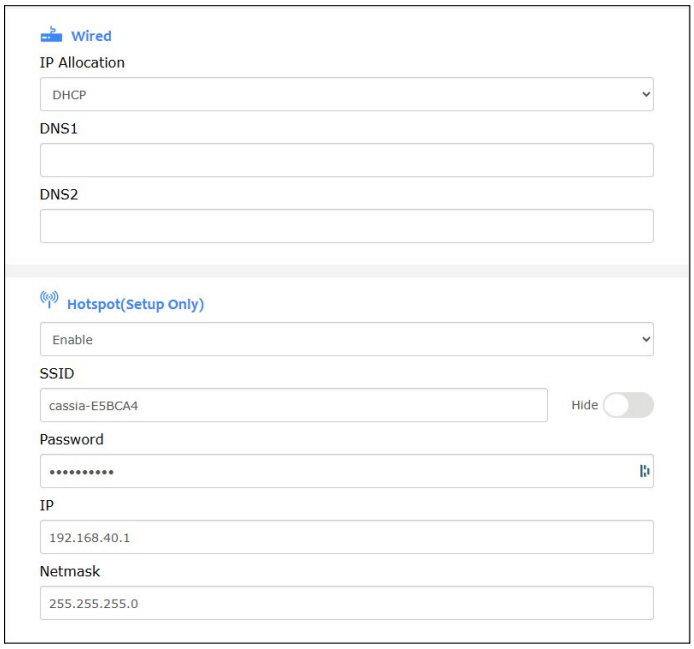
If the gateway factory reset procedure has been performed, the initial setup as performed by CTC must be verified. Use the guide below to verify or configure the gateway to the parameters required to run the CTC Connect Software on the ACCESS2000 Gateway.

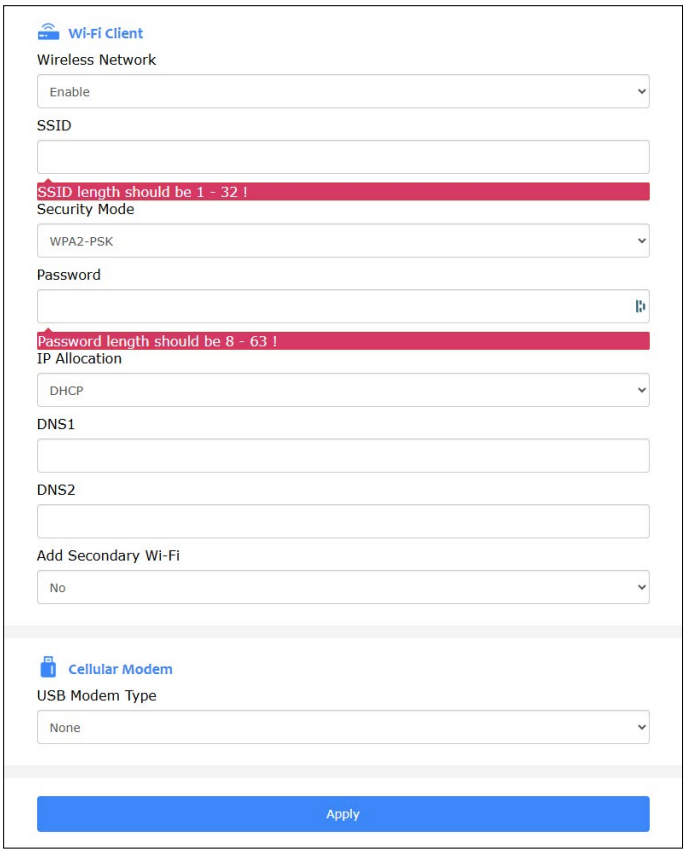
1. **Basic Tab**
   a. Check to make sure the gateway is in Standalone Mode
   b. Check to make sure the Connection Priority is set to match their network configuration: wired/wireless



   If you change any settings on this screen, hit apply at the bottom of the page.

c. Check to make sure the network is configured properly: wired/wireless
   - In order for the CTC software to access the Internet, a gateway and DNS are required. If the IP Allocation is set for DHCP, the network will/should provide that information. If the IP allocation is set for static, this must be entered manually.

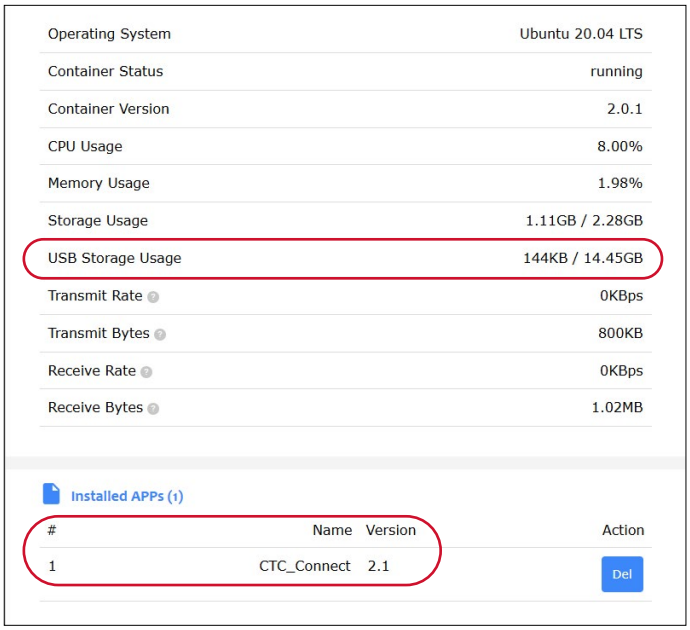




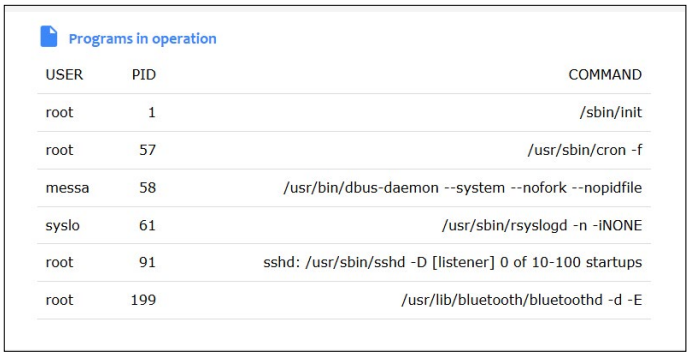
2. **Service Tab**

This is not used for CTC purposes and can be skipped.

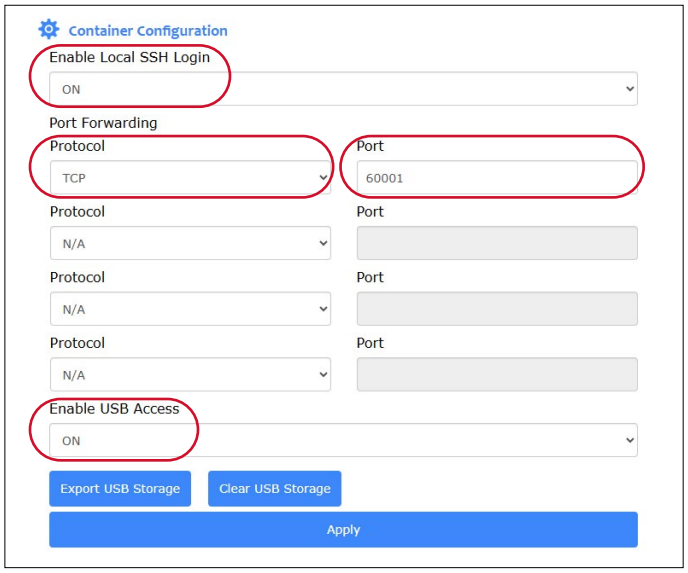
3. **Container Tab**
   a. Check to make sure the container is loaded, if it is not, you will need to re-add it.
   b. If loaded it should also be running.
   c. Double check to make sure the USB drive is seen and being used.



To check if the container is running, scroll down to Programs in operation and you will see the various applications in the container running.



Container Configuration:
Check the following settings
Enable Local SSH Login: ON
Protocol: TCP
Port: 60001
Enable USB Access: On



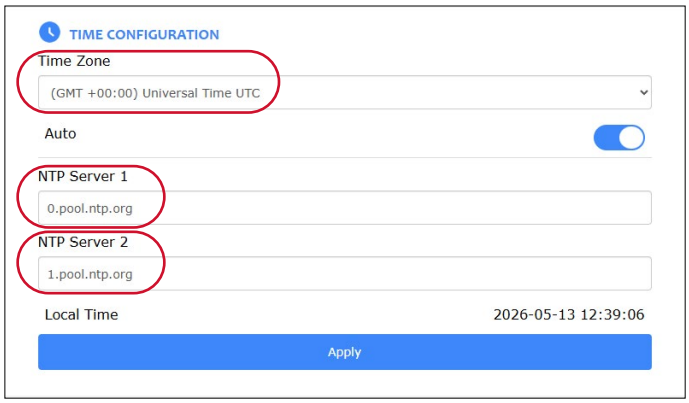
If you make any changes on this page, hit apply and reset the container.

4. **Events Tab**

   This is not used for CTC purposes and can be skipped.

5. **Other Tab**

   a. Check the Time Configuration section.
   - Time zone should be set to the local Time Zone or Universal Time UTC
   - NTP Server 1: 0.pool.ntp.org
   - NTP Server 2: 1.pool.ntp.org



If you change any settings on this screen, hit apply in that section.

6. **Gateway Restart**

   After making any major change, it is best to reboot the gateway to ensure those changes take effect.

   In the other tab, scroll all the way to the bottom, under Actions, hit the Reboot Button.

VI. PRODUCT INTERFACE

Bluetooth Low Energy: 4.0/4.1/4.2/5.0
Wi-Fi: 802.11 a/b/g/n/ac, 2.4GHz and 5GHz ISM band Ethernet: 10/100 Base-T
USB 2.0: supports USB cellular modem
Opt. external Bluetooth antenna connectors: 50 Ω N type female connector
Reset button: Factory reset.Please remove the reset plug (M12X1.5) first
LED lights: BT/AC/4G/Wi-Fi/Ethernet/System/Power

VII. POWER

Power over Ethernet: 802.3af/at compliant source Optional: 12V DC power adapter [1]

NOTE: Please don't use two power sources at the same time

VIII. ENVIRONMENTAL

Operating temperature: -40°C to +65°C (-40°F to +149°F)
Humidity: 0% to 90% non-condensing
Storage and transportation temperature: -50°C to +70°C (-58°F to +158°F)
Wind resistance: up to 85-MPH sustained winds & 135-MPH gusts
IP rating: IP66

[1] Connector type: Interior diameter 2.5 mm / outside diameter 5.5 mm, center +v / outer –v
Output voltage: 12V

Output power: Equal or larger than 12 W

IX. Federal Communications Commission (FCC) Interference Statement

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.

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

X. RF Exposure Warning

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

Need Additional Technical Support?

Need additional technical support for issues or questions about the Connect Wireless ecosystem?

Scan the QR code or use the hyperlink to access our convenient web form to submit your request online at any time.

CTC's experienced support team will review your inquiry and work quickly to resolve your issues.

scan QR code or

CLICK HERE FOR SUPPORT REQUEST FORM