

How To Configure the CloudGate Modem for GreenFeed

You will need:

- A Laptop
- A Phillip Screwdriver
- 5/32nd Allen Wrench
- A plastic bag (to catch food debris)
- An activated mini-SIM card (type 2FF)
- The APN for the SIM card – obtained from the cellular provider

Note

- During this process, GreenFeed will detect that it does not have an Internet connection and reinitialize the modem by resetting power to it. It will do so every 20 minutes or so. This reset process takes ~2 minutes to reinitialize once the modem is powered.
- This means that if you do not finish changing a specific setting by the time the modem restarts, you will need to re-login to the modem and reapply the settings. Please keep this in mind during this how-to.

Ensure GreenFeed is Turned Off

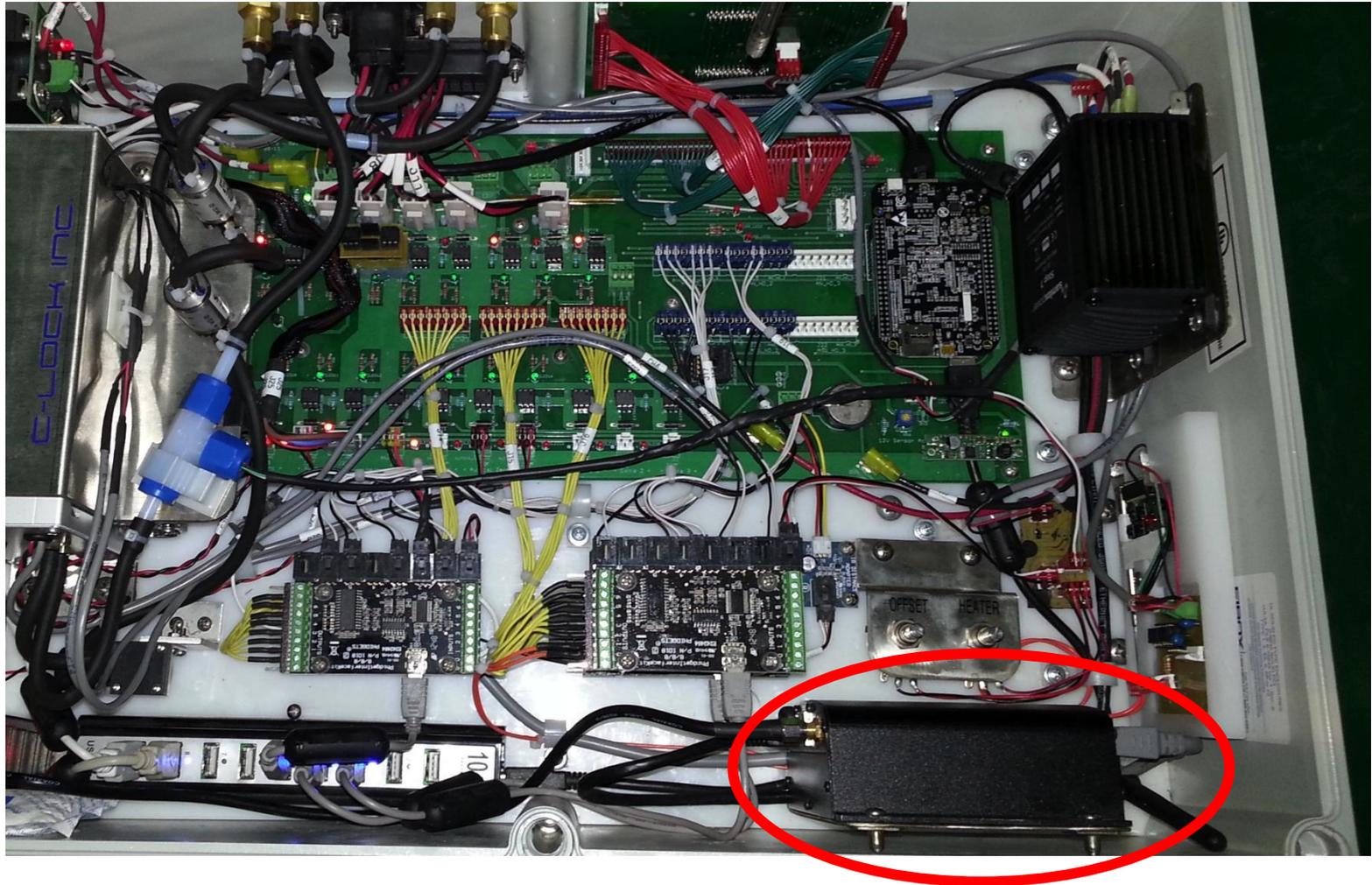
Power down GreenFeed and unplug power.

Remove the Feed Dish, Tray, and Electronics Box Lid



Place a bag over the food dispenser nozzle so no food will fall into the box.

Locate The Modem



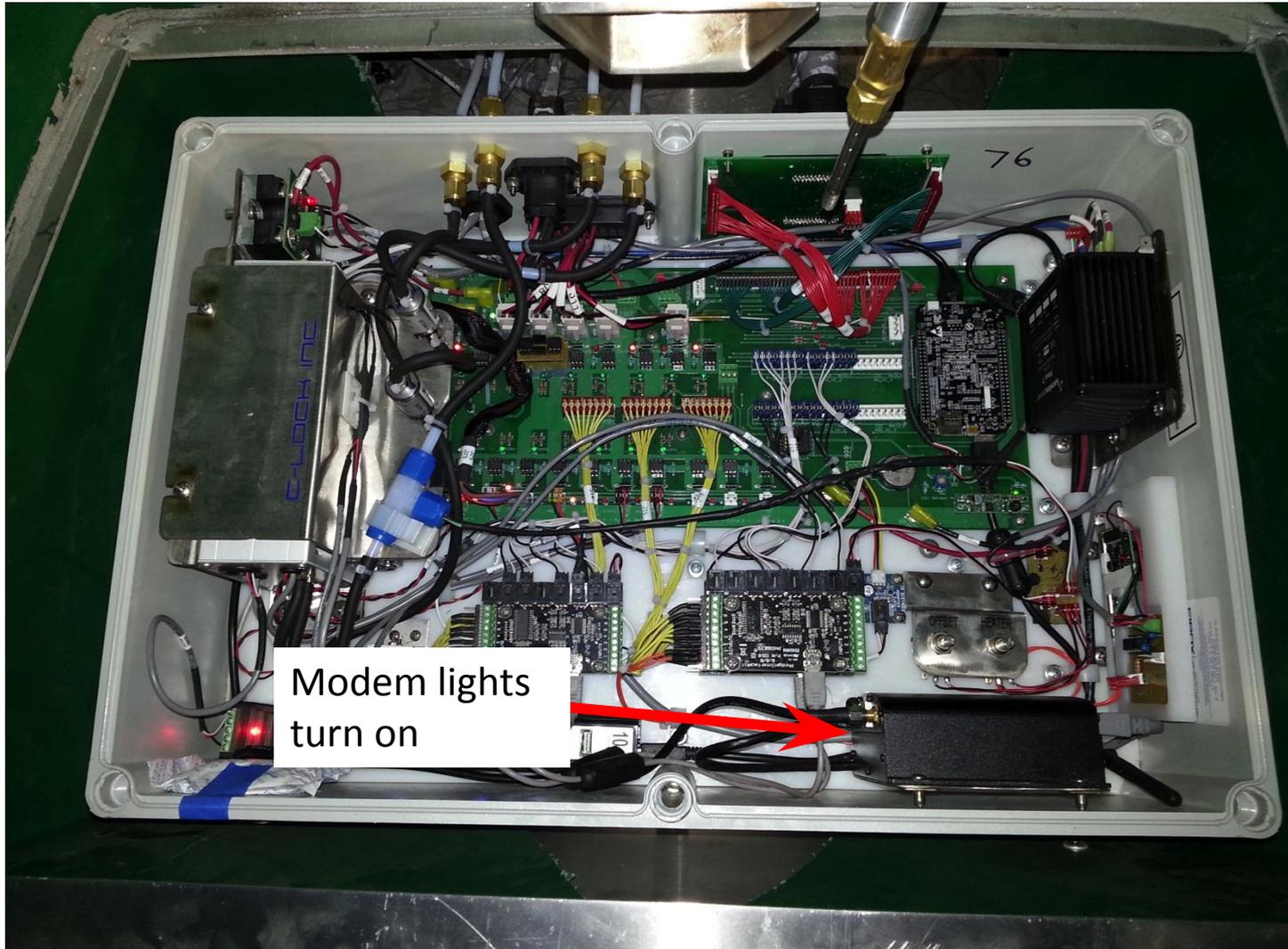
Insert the SIM Card



The slot for the SIM card is located on the side of the modem where the gray power cord connects.



Apply Power to GreenFeed and Wait Until the Modem Lights Turn On



Wait 2 Minutes

This will allow the modem enough time to start and initialize the Internet connection

After 2 Minutes, You Should See a GreenFeed Wi-Fi Network

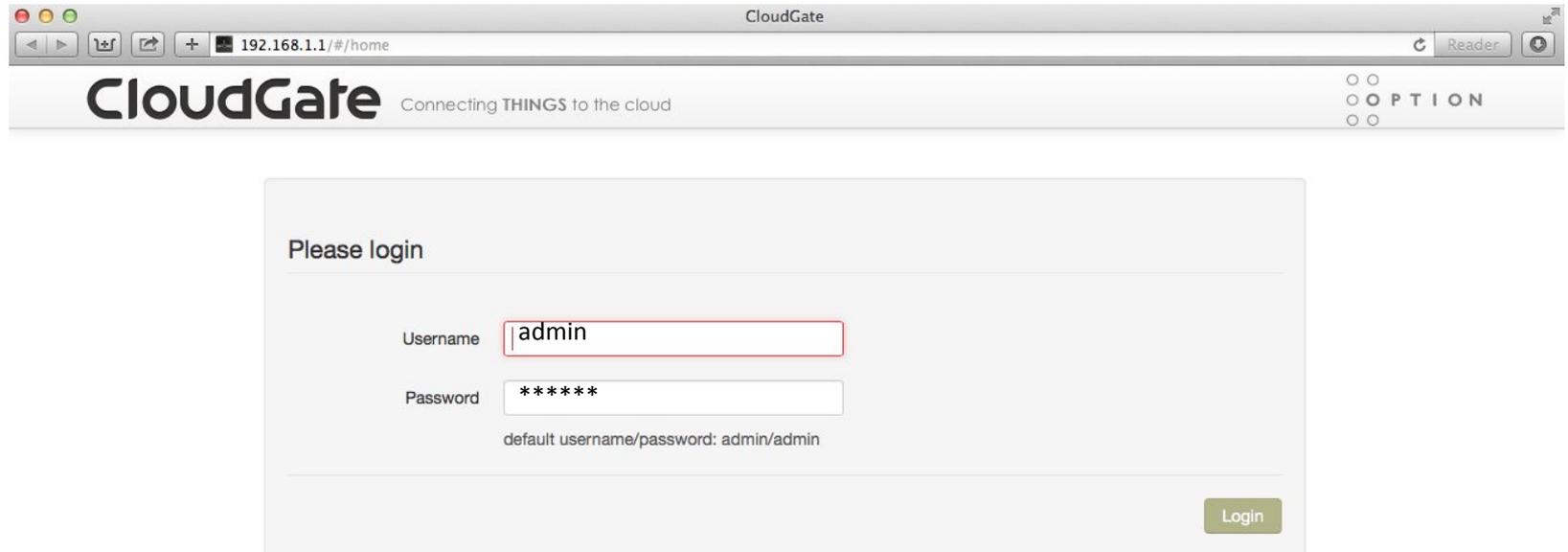


Connect to this network using the password:

greenfeed

(all lowercase with no spaces)

Open a Web Browser and Go To <http://192.168.2.1>



Please login

Username

Password

default username/password: admin/admin

Login

For the username enter: admin

For the password enter: carbon

Then click “Login”

In newer models (92 and on), the password is: CARbon1!

If you are unable to connect to <http://192.168.2.1> try using <http://192.168.1.1>

Click “Interfaces” then “3G Connection”

The screenshot shows the CloudGate web interface in a browser window. The address bar displays the URL `192.168.1.1/#/3g/usb0`. The page header includes the CloudGate logo and the tagline "Connecting THINGS to the cloud". A navigation menu is visible with the following items: Home, Interfaces, Firewall, Connection Persistence, Provisioning, System, and VPN. The "Interfaces" menu is expanded, showing a sub-menu with the following options: Ethernet, 3G Connection, General, Network settings, and Data Counters. Two red arrows point to the "Interfaces" menu item and the "3G Connection" sub-menu item. The main content area displays configuration options for the 3G connection, including ECIO (set to -4 dB), Technology (set to None), and Voice number. Below these are sections for IP configuration and General settings. The General settings section includes options for Enabled (Yes/No), Only upon traffic (Yes/No), Connect while on international roaming (Yes/No), and WWAN Div antenna (Yes/No).

CloudGate Connecting THINGS to the cloud

Log out OPTION

Home Interfaces Firewall Connection Persistence Provisioning System VPN

Ethernet
3G Connection
General
Network settings
Data Counters

ECIO dB

Technology

Voice number

IP configuration

IP

Netmask

Gateway

DNS 1

DNS 2

General

Enabled Yes No

Only upon traffic Yes No

Connect while on international roaming Yes No

WWAN Div antenna Yes No

Scroll Down to the General Section and Select “UMTS Generic” then Click “Save changes”

The screenshot shows the CloudGate web interface for configuring a USB modem. The browser address bar shows the URL `192.168.1.1/#/3g/usb0`. The main navigation menu includes Home, Interfaces, Firewall, Connection Persistence, Provisioning, System, and VPN. The left sidebar has a menu with options: Connection status, General (selected), Network settings, and Data Counters. The main content area is titled "mode" and contains the following settings:

- Allow ICMP: Yes (selected), No
- Note: when using an AT&T SIM card select "AT&T", for all other wireless operators using SIM cards select "UMTS generic".
- Radio firmware selection:
 - Verizon Wireless
 - UMTS Generic Can't switch to UMTS radio firmware when no SIM is inserted.
 - Sprint
 - AT&T Can't switch to UMTS radio firmware when no SIM is inserted.
- MTU: 1500
- Connection hunting: Yes, No (selected)

At the bottom of the "mode" section, there are "Cancel" and "Save changes" buttons. A red arrow points to the "Save changes" button. Below this section is the "Network settings" section, which displays a yellow warning message: "No SIM card inserted". It also has "Cancel" and "Save changes" buttons. At the very bottom, there is a "Data Counters" section with a help icon.

Click “Interfaces”, “3G Connection” then “Network settings”

The screenshot displays the CloudGate web interface. At the top left, the logo "CloudGate" is followed by the tagline "Connecting THINGS to the cloud". On the top right, there is a "Log out" button and a "OPTION" menu icon. The main navigation bar includes "Home", "Interfaces", "Firewall", "Connection Persistence", "Provisioning", "System", and "VPN". A red arrow points to the "Interfaces" menu, which is open, showing options: "Ethernet", "3G Connection", "WLAN Client", and "WLAN Access Point". Another red arrow points to "3G Connection". Below this, a third red arrow points to "Network settings" in the left sidebar. The main content area is titled "Network settings" and contains the following fields:

- APN: A text input field containing "publicip.apn". A red box highlights this field with the text "Enter your APN here" and an arrow pointing to the input.
- Authentication method: A set of radio buttons with "Automatic" selected.
- Username: An empty text input field.
- Password: An empty text input field.
- Network selection method: A set of radio buttons with "Automatic" selected.

At the bottom right of the form, there are two buttons: "Cancel" and "Save changes". A red box highlights the "Save changes" button with the text "Then click 'Save changes'" and an arrow pointing to the button.

Wait for the Modem to Apply Changes

Once it has saved the changes, try to access the following web site:

<http://www.c-lockinc.com/ip>

You should see the following message, although the number will be different:

Your IP address is 69.88.63.8

Write down this IP address.

Log Back into the CloudGate Interface

Open a Web Browser and Go To

http://192.168.2.1

CloudGate Connecting THINGS to the cloud

OPTION

Please login

Username

Password

default username/password: admin/admin

Login

For the username enter: admin

For the password enter: carbon

Then click “Login”

In newer models (92 and on), the password is: CARbon1!

Click Home

- Connection status >
- Settings >**
- LAN interfaces >
- VPN Tunnels >
- System Information >
- Licenses >

Connection status

Connected

You are connected to the Internet through the interface **3G Connection**

Settings

Internet connection enabled Yes No

Connection strategy Manual Priority-based

The IP listed here should match the IP from the previous step.

#	Interface	Connection status	IP	Move up/down
1	3G Connection	Connected	69.88.63.8	↓
2	WLAN Client	Interface is not enabled.		↑

Contact C-Lock

Call C-Lock +1-605-791-5657 to confirm everything is working correctly.