

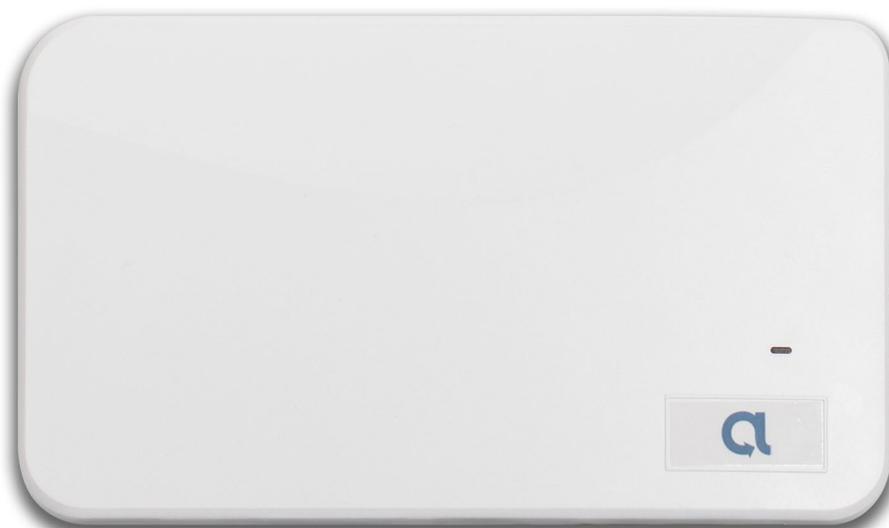


Gallagher

SMB Monitoring Kit

Installation Note

Gallagher SMB Monitoring Kit: C500615



Introduction

This document describes how to install the Alula BAT-Connect within the Gallagher SMB Kit. Detailed installation instructions specific to the BAT-Connect can be viewed [here](#).

The Alula BAT-Connect is an alarm communicator, transmitting alarms from the Gallagher SMB Controller to a monitoring station using the Contact ID alarms transmission protocol. The Alula BAT-Connect is powered by the Gallagher SMB Kit and provides connection to the site's WAN, cellular, or Wi-Fi.

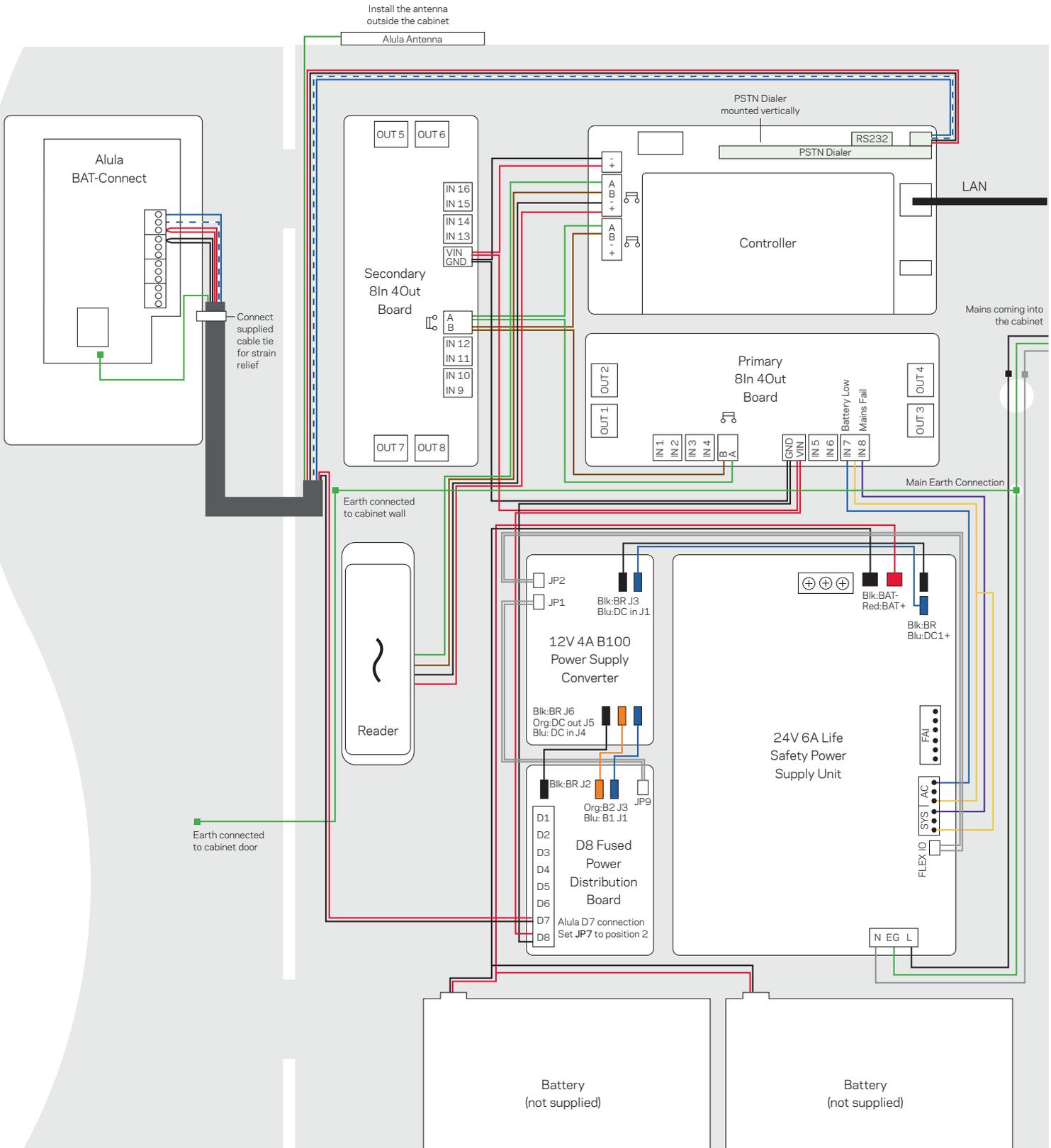
Kit contents

The SMB Monitoring Kit includes the following components:

- 1 x Alula BAT-Connect (C500616)
- 1 x Alula Antenna 2.5m (C500617)
- 1 x PSTN Dialler (C200620)
- 1 x Wiring loom and adhesive tape

Wiring connections

Connect the Alula BAT-Connect as shown. Set jumper JP7 on the D8 Board to position 2.



Installation

The installation of this kit must be carried out by a Gallagher SMB Partner. Complete the instructions in this document to install the kit.



ATTENTION: This equipment contains components that can be damaged by electrostatic discharge. Ensure both you and the equipment are earthed before beginning any servicing.

1. Mounting the Alula device

The Alula BAT-Connect must be installed inside the cabinet door. It should be located 1-1.5 inches from the top of the door, and 1-1.5 inches from the right-hand side of the door, using the 3M adhesive tape supplied.

Using the alcohol wipe supplied with the adhesive tape, clean the back surface of the device and the area on the door where the device will go. Peel off the white colored backing film and carefully position the tape in the center on the back of the device. Mark on the door where the device will go. When ready to attach the device to the cabinet door, remove the red film and attach it to the door. Make sure the device's electrical connectors are on the right-hand side. The device will sit overtop of the vertical I/O board when the cabinet door is closed.

Note: The adhesive tape's bond is extremely strong, so make sure the Alula is in the correct position before pressing it against the door to make the bond.

2. Attaching the Antenna

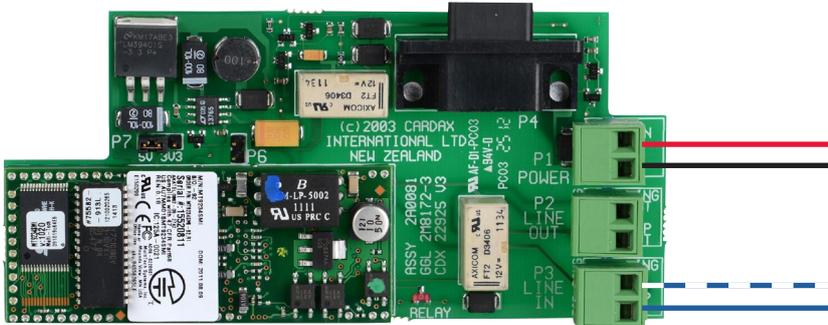
The recommended antenna location is above the cabinet, an extension antenna is part of the Monitoring Kit. To attach the extension antenna:

1. Open the device and pull on the internal antenna's MMCX connector to disconnect it from the board.
2. Thread the MMCX connector-end of the extension antenna cable through a knockout into the metal cabinet. Use a suitable gland in the opening to secure and protect the cable.
3. Connect the MMCX plug on the extension antenna cable to the socket on the Alula board.
4. Route the antenna's cable out through the right-hand side of the Alula where the long green connector is. Once the main wiring loom has been connected to the Alula, secure the antenna's cable to the wiring loom with cable ties to prevent it from getting crushed when the cabinet door gets closed.
5. Ensure nothing is obstructing the external antenna and there is a decent amount of space above it.

3. Inserting the PSTN Dialer

The Gallagher PSTN Dialer is supported by the Gallagher Controller for both Contact ID transmission and remote/PPP dial-up situations.

The dialer is housed in the same cabinet as the controller and is mounted on top of the controller via the serial port. Secure the dialer to the controller using the 2 screws supplied. With a dialer mounted on the controller, the controller's run LED is still readily visible.



4. Connecting the Wiring Loom

The wiring loom is used to join the Alula to the Dialer and the D8 module.

Alula

Connect the red to 12V, black to GND, wht/blue to RING, and blue/wht to TIP. Secure the wireset tightly to the Alula's enclosure using the cable tie that is supplied in the wireset kit. This acts as a strain relief.

PSTN Dialer

Connect the red to VIN, black to 0V, wht/blue to RING IN, and blue/wht to TIP IN.

D8 Module

Connect red to Out7 "+", and black to Out7 "-". Set jumper JP7 to position 2 (for 12V output instead of position 1's 24V).

4. Setting Network Communication Path

Connecting via ethernet

Connect an ethernet cable from the Alula's ethernet port to the customer's network and ensure the ethernet's LED is on.

Connecting via cellular

Verify the cellular LED is on and verify signal strength. A minimum of two signal bar LEDs is recommended.

Connecting via Wi-Fi

Connecting via WPS

1. Enable WPS on the router.
2. Press and hold the WPS button on the Alula BAT-Connect until the Wi-Fi LED flashes.
3. Unplug the ethernet cable (if used). After approximately 1-2 minutes, the Wi-Fi LED will turn on. Wi-Fi network credentials are now saved on the Alula BAT-Connect.
4. If the Wi-Fi LED does not turn on after 2 minutes, then WPS was not successful. Repeat steps 1-3.

Connecting via AlulaConnect™ (if WPS is unavailable)

1. Wi-Fi credentials can be entered at alulaconnect.com. For the Wi-Fi credentials to be pushed from AlulaConnect, the BAT-Connect must be online.
2. Go to Account > Account Devices > BAT-Connect > Communication > Primary Wi-Fi Credentials (Enter information) > Save.
3. The Wi-Fi LED will turn on (this may take up to 2 minutes.) Wi-Fi network credentials are now saved in BAT-Connect. Note: It should switch to Wi-Fi, regardless of the active interface previously used (ethernet or cell).
4. If the Wi-Fi LED does not turn on after 2 minutes:
 - Repeat step 2, verifying that the credentials entered are correct.
 - Verify the BAT-Connect is online.
5. Ensure the UDP ports 1234 and 1235 are open on the customers' network.

Activation

To activate the Alula perform the following procedure:

Once the site is activated a notification is sent to the Gallagher USA Customer Services team.

If you are new to the AlulaConnect Portal, Gallagher will email you an invite to the AlulaConnect Portal. Once you accept the invite and have completed the registration, you will be able to register the details of the site and the device in the portal.

If you are already a user of the AlulaConnect Portal, log in and register the site and device.

Go to the Devices dashboard and select the device you want to activate.

Update the Profile page as follows:

- Name
- Choose the Receiver Path for signals to the Central Station
- Click the box to Override Panel Acct Number
- Enter the four digits for the Central Station Account Number
- If your Central Station has an aux number, add it to the Central Station Aux Number field
- Input the customers Caller ID number for easier identification
- Complete the customer address for device location
- Click Save to complete the Device Profile

For more information, go to the AlulaConnect Help pages [here](#)

Technical specifications

Alula BAT-Connect	Value
Dimensions	8.5 x 5.0 x 1.3 inches
Weight	284 g
Communication paths	LTE Category M1, Wi-Fi, Ethernet
Temperature range	-32 °F to +120 °F (0 °C to +49 °C)
Humidity	0 - 85% non-condensing relative humidity

Gallagher PSTN Dialer	Value
Routine maintenance	Not applicable for this device
Voltage	13.6 ± 15% Vdc
Current	300 mA
Temperature range	-22 °F to +122 °F (-30 °C to +50 °C)
Humidity	0 - 95% non-condensing

Note: To reduce the risk of fire, replace fuses only with the same type and rating of fuse.