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Fleet SynQ Instruction Manual
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SYNQ®

SEAMLESS INTEGRATION

FLEET SYNQ

SYNQ-FLEET



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SAFETY REGULATIONS & WARRANTY

Safety Regulations

The following provides all the information necessary to safely operate the previously listed products of Feniex Industries, Inc. Please read this manual thoroughly before installing or operating your new product in order to prevent any damage or injury. Failure to follow the listed instructions in this manual may result in damage to your products or personal injury.

- Proper installation of this product requires good knowledge of automotive systems, electronics and procedures.
- Please guarantee all vital components of the vehicle are not in danger of being damaged by drilling holes necessary for installation. Check all sides of the mounting surface before drilling any holes into the vehicle.
- Do not install this product in any way that interferes with the deployment of the air bag. Doing so may damage the effectiveness of the air bag and can lead to serious personal and vehicle injury. The installer will assume full responsibility of proper installation of the new unit.
- Please clean the mounting surface before installation of the unit when using tape, brackets, magnet, Velcro or suction cups.

Warranty

Warranty terms vary by product and may change. This product's warranty term is listed in its specifications. The current terms for every Feniex product are at feniex.com/warranty. If this manual and that page ever differ, the terms on feniex.com/warranty apply.

If a warranty problem occurs, please contact customer support at 1.800.615.8350 or visit the website at www.feniex.com/support.

To return a product for repair or replacement, submit a warranty ticket at feniex.com/returns to get an RMA number before shipping. For help by phone, call the Quality Team at (512) 865-4481 during normal business hours.

Service After Expiration

Feniex Industries will still provide service for all products after the expiration of the warranty. In some instances it may be necessary for the product to be shipped, freight prepaid, and insured for loss or damage to Feniex headquarters.

Warning! *Failures caused by non-factory screws, mounting brackets, or other non-Feniex components are not covered by the warranty.*

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BOX CONTENTS

1x - Fleet SynQ Module
1x - 15ft 8-pin Cable
1x - GPS Antenna (Magnetic, 9.8ft Lead)
1x - Warranty Card

SPECIFICATIONS

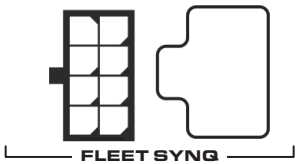
DIMENSIONS	3.94" x 2.62" x 0.80"
WARRANTY	2 Years
POWER	From SynQ Relay
CURRENT	15mA
WEIGHT	14.1 oz
CABLE	15ft, 8-pin
ANTENNA LEAD	9.8ft (3m), SMA
MOUNTING	Interior only

REQUIREMENTS

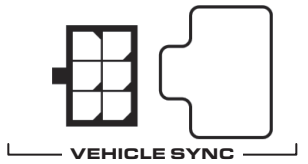
CONTROLLER	SynQ-S, SynQ-R, or SynQ-H
SYNQ RELAY	8-pin Fleet SynQ port (Rev B, April 2026, or later)
RELAY FIRMWARE	7.1.0 or later
SCREWS	2x #6 screws (not included)
ANTENNA SPOT	Vehicle roof, with a clear view of the sky

SYNQ RELAY COMPATIBILITY

Look at the Fleet SynQ port on the SynQ Relay (labeled VEHICLE SYNC on older relays). Fleet SynQ needs the 8-pin port.



✓ **8-pin port**
Compatible



✗ **6-pin port (older relays)**
Not compatible

HOW IT WORKS

GPS Time Sync

Fleet SynQ is a GPS receiver for the SynQ Relay. Its roof antenna reads GPS time, and the module passes that time to the relay with a timing pulse once every second. Each relay sets its flash timing from GPS, so every vehicle with Fleet SynQ runs on the same clock.

Flashing in Unison

Vehicles running the same flash pattern flash in unison, within milliseconds. The vehicles do not talk to each other, so there is no limit on how many vehicles sync or how far apart they are. Each one only needs its own GPS signal.

▸ *Only vehicles running the same flash pattern flash together. One-shot effects, like brake pop, are not synced.*

When GPS Is Lost

In a garage, tunnel, or other covered area, the relay keeps flashing on its own clock and can slowly drift. It re-syncs automatically when the antenna can see the sky again.

No Software Setup

Fleet SynQ has no settings in the SynQ software. Once it is plugged in and the GPS LED blinks, it is working.

MODULE CONNECTIONS



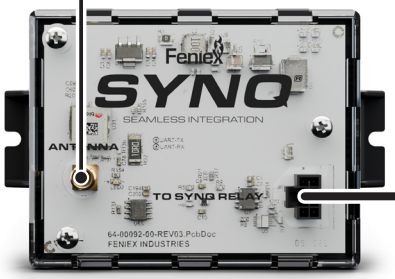
WIRING DIAGRAM

GPS Antenna
Roof center, clear view of the sky

ROOF

INSIDE THE VEHICLE

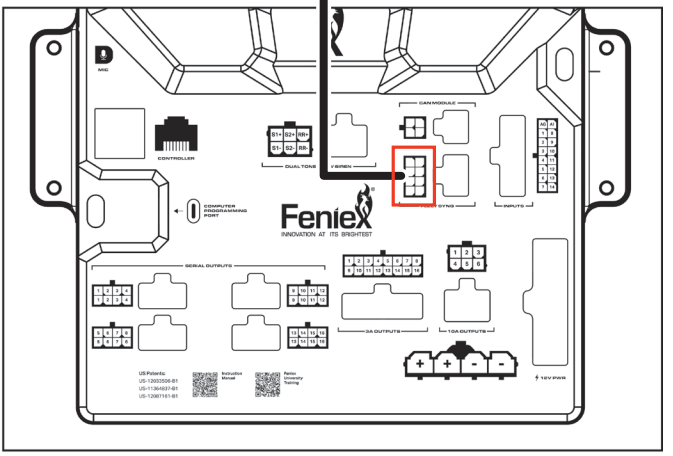
9.8ft (3m) antenna lead
to the ANTENNA jack, hand-tight



Fleet SynQ Module

15ft 8-pin cable
Either end fits either device.
Push in until the latch clicks.

The SynQ controller, speakers, and lights connect to the relay as usual. See the SynQ Controller Series manual.



SynQ Relay
Fleet SynQ port (8-pin), outlined in red

▸ *No separate power wire or fuse. The module is powered through the 8-pin cable.*

INSTALLATION

Before You Start

1. Check the SynQ Relay. Its Fleet SynQ port must have 8 pins (see page 3), and the relay must run firmware 7.1.0 or later. To update the firmware, see Firmware Upgrading in the SynQ Controller Series manual.
2. Disconnect power to the SynQ Relay.

Mount the Module

3. Pick a spot inside the vehicle that the 15ft 8-pin cable reaches from the relay and the 9.8ft (3m) antenna lead reaches from the roof. Leave the clear cover visible so you can check the LEDs.
4. Check behind the mounting surface for wires, airbags, and other vital parts. Then fasten the module through its 2 mounting slots with #6 screws (not included).

▸ *Fleet SynQ has no waterproof rating. Mount it inside the vehicle only.*

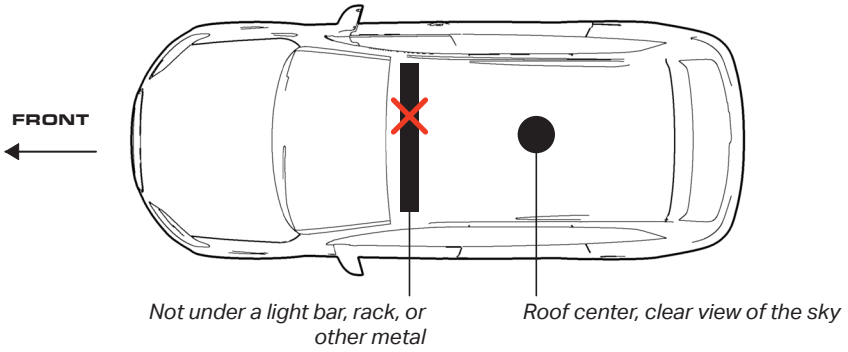
Install the Antenna

5. Place the antenna flat side down on the roof, as close to the center as practical, with a clear view of the sky (see page 7).
6. Route the antenna lead into the vehicle. Do not cut the lead.
7. Screw the antenna's SMA connector onto the module's ANTENNA jack, hand-tight.

Connect and Power Up

8. Plug the 8-pin cable into the module's TO SYNQ RELAY port and into the relay's Fleet SynQ port. Push each end in until the latch clicks. Either end of the cable fits either device.
9. Reconnect power to the relay, then check the LEDs (see page 8).

ANTENNA PLACEMENT



Do

- Place the antenna flat side down on the roof, as close to the center as practical.
- Give it a clear view of the sky.

Do Not

- Place it under a light bar, rack, or other metal.
- Place it inside the vehicle.
- Cut the antenna lead.

CONFIRM IT'S WORKING

With the relay powered, look through the module's clear cover:

- Two green power LEDs on: the module has power.
- Green LED next to the antenna jack blinking once a second: GPS lock.

GPS lock can take up to 5 minutes. Outdoors, it usually takes less than 1 minute. Once the GPS LED blinks, Fleet SynQ is working.

▸ *Optional: park a second vehicle with Fleet SynQ nearby, run the same flash pattern on both, and check that they flash in unison.*

TROUBLESHOOTING

No Green Power LEDs

- Check that the 8-pin cable is latched at both ends.
- Check that the SynQ Relay has power.

GPS LED Does Not Blink

- Move the vehicle outside and wait up to 5 minutes.
- Check that the antenna has a clear view of the sky and is not under a light bar, rack, or other metal.
- Check that the antenna's SMA connector is tight on the ANTENNA jack.

Vehicles Do Not Flash in Unison

- Check that every vehicle runs the same flash pattern.
- Check that every relay runs firmware 7.1.0 or later.
- Check that the GPS LED blinks on every module.

Vehicles Drift After a Garage or Tunnel

- This is normal without GPS. They re-sync on their own when the antenna can see the sky again.

Still need help? Call customer support at 1.800.615.8350 or visit feniex.com/support.