



User's Manual

ROAM Smartphone Winch Command



Throughout this manual you will find notations with the following headings:



Indicates an imminently hazardous situation which, if not avoided will result in death or serious injury.



Indicates a hazardous situation which, if not avoided could result in death or serious injury.



Indicates a potentially hazardous situation or unsafe practice, which if not avoided could result in injury.



Indicates an unsafe practice, which if not avoided, could result in property damage.

The following symbols on the product and in the owners manual are used:



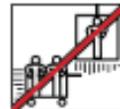
Read the Owners Manual.



Always use a Hand Saver.



Keep clear of Winch Rope and Hook while operating.



Never use Winch to Lift or Move People.



Never use Winch to Hold Load in Place.

Read the Winch Users Guide for additional safety symbols

1. General Safety Information



The ROAM system uses the Wi-Fi network created by the ROAM™ box to communicate between the winch and your smart device. While ROAM™ has been painstakingly developed to be reliable, it can only be as reliable as your smart device's capabilities.

Please read and understand this guide to get the most out of ROAM. Before using ROAM, Superwinch recommends reading and understanding all manuals that have been supplied with your winch.

1. Use ROAM™ as you would any winch controller: with extreme caution.
2. Always have a view of the entire winching area or rely on a guide who does.
3. Swiping to the right, left or up on the ROAM™ app control screen will lockout any winching commands. Do this any and every time when not in use.



Misuse or abuse of this equipment could result in injury to the user or others and/or damage to property.

1. Never leave a connected smart device unattended without (a) locking the device or (b) swiping to lock the ROAM app control screen.
2. Always use the passcode lock on your phone to prevent others from controlling your winch.
3. ROAM has a built in defense against other users attempting to access the ROAM™ Wi-Fi and only the first connected device can control the winch.
4. Always insure your smart device has enough battery power to complete the winching operation.
5. Always disconnect the Roam unit from the winch (via the socket) when not in use.
6. Always put your smart device in "airplane mode" and turn on Wi-Fi. This will insure an uninterrupted winching session. Any incoming call/text/notification will interrupt winching operation.
7. Always stop winching if ROAM™ encounters potentially unsafe Amperage and/or temperature operating ranges (either onscreen (red) and/or via the smart devices vibration). Pay attention to these warnings and if encountered, stop winching operation and review.

A blue rectangular warning sign with a black border. The word "NOTICE" is written in bold, white, uppercase letters.

NOTICE

Winching control will be brought to a stop whenever:

1. Wi-Fi network communication is interrupted.
2. App is quit or smart device reverts to home screen/other app.
3. Swipe Lock is activated.
4. Incoming call/text (depending on settings) received.

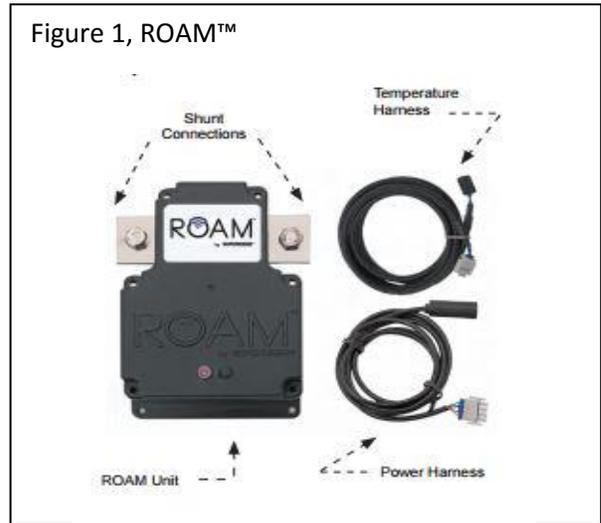
These safety features are engineered into the system to protect personnel and equipment and should never be changed, taken out or bypassed.

2. Installation Instructions

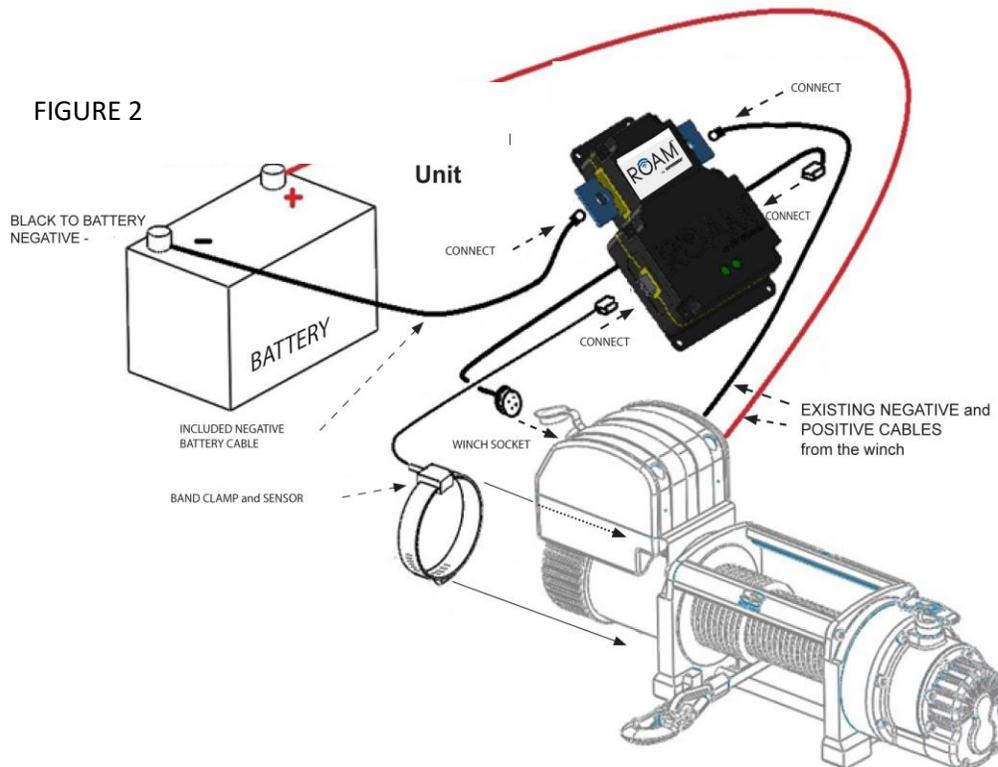
A. Hardware

The ROAM™ control box should be installed in a safe place. Under hood or in a protected structure is ideal. Use the mounting holes to secure the ROAM™ control box.

ROAM™ is designed to be used intermittently, that is, after use, the ROAM™ socket harness should be disconnected from the winch. This will cut power to the board and WiFi module, preventing unintended winch communication.



B. Wiring



C. Disconnect Existing winch wiring at vehicle battery.

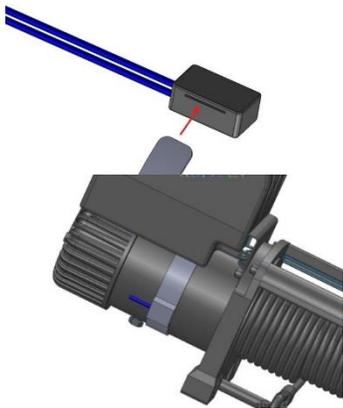
Mount ROAM™ unit using the 4 mounting holes and the hardware provided. Select a flat mounting location that will reasonably protect the ROAM™ unit from debris, water, direct heat, and physical damage. Suggested location is high in the engine compartment, near the battery within range of the supplied negative battery cable and harnesses, while maintaining access to the LED viewing window and the reset button access rubber plug.

D. Negative Battery Cables

For winches with 2 AWG power cables, attach winch negative battery cable removed from battery to right side of ROAM™ unit. Connect supplied negative battery cable to left side of ROAM™ unit, and connect to Battery Negative.



For winches with 6 AWG or smaller power cables, such as TERRA ATV winches, use supplied wiring Adapters. Slide adapters onto ROAM™ unit connections points, and use supplied hardware for connecting power cables. Attach winch negative battery cable to right side of ROAM™ unit. Connect supplied negative battery cable to left side of ROAM unit, and connect to Battery Negative.



E. Temperature Sensor

Insert band clamp through temperature sensor slot on temperature sensor harness assembly. Route band clamp around motor. For winches with solenoid boxes on the motor, route band clamp under box and around motor case. Do not contact motor terminals, ground bolts, or decals. Sensor must sit directly on metal motor case. Do not force band clamp. Tighten band clamp to secure temperature sensor to motor case. Route temperature sensor harness with battery power cables and up to ROAM™ unit. Plug temperature sensor harness plug into socket on left side of ROAM™ unit. Be sure that locking fingers on plug are secure.

F. Power Harness

Plug power harness plug into ROAM™ unit on left side. Be sure that locking fingers on plug are secure. Reconnect winch Red Battery Positive cable to Battery. Check all cables and harnesses and secure away from moving components, heat, and sharp edges. You are now ready to power the ROAM™ unit.

Plug the Power Harness into the winch socket for the handheld controller. The red LED visible on the ROAM™ unit should illuminate, and the WIFI signal should be active within 20 seconds. Refer to the Software APP for proper configuration.

G. Software

Download the ROAM™ app, a free download from the Apple iOS App Store and/or the Google Play store. The app is compatible with Apple devices running iOS 6.0 and later and devices running Google’s Android 4.3 and later.

If the ROAM app fails to launch, delete and re-download and install the ROAM app.

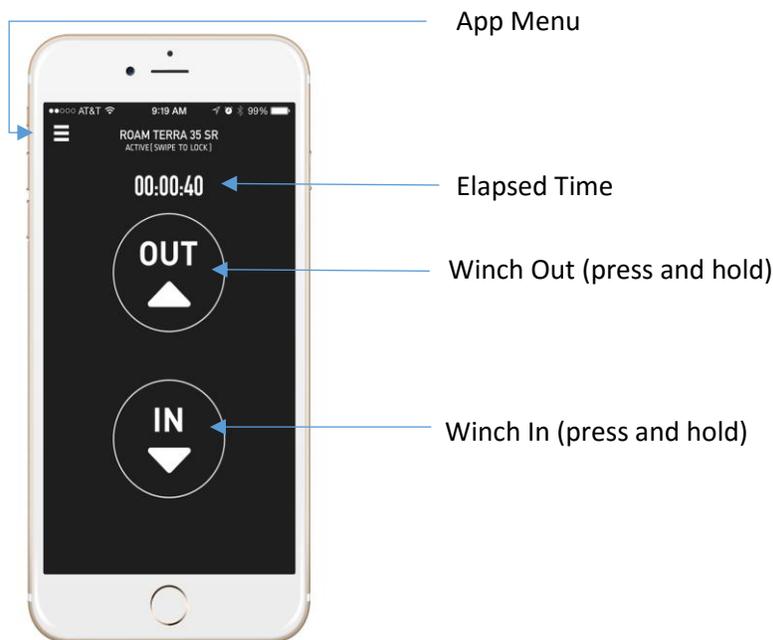
Pairing ROAM with your device

ROAM™ works via Wi-Fi. iOS users will need to open the Wi-Fi settings (settings app> Wi-Fi) and select the ROAMXXXX network. The password for the WiFi network is ROAMPASS. Insure you are connected to the Wi-Fi network and proceed.

If you cannot connect to the Wi-Fi network, access the reset button on the ROAM™ unit. Simply remove the Plug and insert any blunt object to press and hold the reset button (we’ve designed it so a pen works great). Hold the button down for 5 seconds, wait a moment and reattempt to log onto the Wi-Fi network.

Once connected to the ROAM™ Wi-Fi network, open the app and follow the onscreen instructions.

3. Operating Instructions



To lock ROAM™ app to prevent unintended winching commands, simple swipe left or right from this screen to bring up the “Locked” screen. To unlock, simply swipe again.

4. Troubleshooting Chart

Symptom	Possible Cause(s)	Corrective Actions
Phone won't connect to Wi-Fi Network	PCB time-out, Wi-Fi not enabled on device	Insure Wi-Fi is enabled. Remove plug on ROAM™ box and insert pen to push button for 5 seconds. Connection is reset
Negative Temperature displayed in app	Unconnected harness	Insure Temperature Harness is correctly seated in the ROAM™ control box
App won't open	Bad installation from App Store	Delete app and reinstall
I don't remember Passcode to Wi-Fi	Late night/lack of sleep/short term memory issues	Enter "ROAMPASS" (case sensitive)
App frozen	Software bug	Force quit app and restart
History taking a long time to load	First time connecting/Long interval between downloads	The first download can take a while, however subsequent downloads should be much faster
App isn't able to connect to winch	Wi-Fi not connected	Open Settings and insure the ROAM™ Wi-Fi network is selected and has a check mark.
App isn't responsive	Software time out	Restart app; Attempt. If still unresponsive, restart device and/or resetting ROAM™. Remove plug on ROAM™ box and insert pen to push button for 5 seconds.

Superwinch Customer Service:

- **Phone:**
 - **North America: 800-323-2031**
 - **UK +44 (0) 1822 614101**
 - **All Other: 860-928-7787**
- **Email:**
 - **Global: info@superwinch.com**
- **Online Manuals/Parts**
 - **<https://www.superwinch.com>**

Superwinch Inc.,
359 Lake Road, Dayville, CT 06241 U.S.A.