

GSM Tracker Installation

The SkiTrails GSM Tracker is a 2G GSM device that tracks its movement using GPS and transmits the track periodically to the SkiTrails system over the cellular network. In Canada, the device uses the Rogers network, in the USA, AT&T or T-Mobile. The tracker operates on 8-30V DC power and is designed to be hard-wired into your grooming vehicle. They come pre-configured and activated.

Package Contents



- GSM Tracker (blue box)
- GSM Antenna (flat, black rectangle)
- GPS Antenna (thick, square block)
- Wiring harness (labelled)
- Accessories (cable ties, wire taps, velcro)

You will also need:

- Screwdriver
- Wire cutters & pliers
- Volt meter
- Vehicle wiring diagram

Other tools & equipment may be required.

Tracker Installation

The tracker should be installed in a dry location. Avoid areas where it may be subject to knocks or other mechanical damage. When connecting wires to powered circuits, **ensure you are downstream of the fuse**. To avoid risk of shock, ensure wire is not live when joining by disconnecting appropriate fuses or vehicle battery.

Securely fasten tracker body in protected location with easy access to wiring. **Ensure all wiring is secure and protected from sharp edges** to reduce the risk abrasion leading to short circuits.

Ensure any unconnected wires will not move around and contact other circuitry.

1. Attach BLACK "GROUND" wire to ground circuit.
2. Attach RED "POWER" wire to permanent power circuit. Avoid all engine-related circuits, use things like "LIGHTS", "HEATER", "UTILITY" etc.
3. Attach RED/WHITE "IGNITION" wire to circuit that activates when vehicle is turned on, again, avoiding sensitive engine management circuits. The tracker will not transmit until this line is activated.
4. OPTIONAL: Attach ORANGE/WHITE "TRACKSETTER" wire to classic tracksetter switch. 12/24V = classic tracksetter on snow, 0V/disconnected = tracksetter not on snow
5. OPTIONAL: Attach YELLOW/WHITE "INPUT A" wire to a switch. Meaning is configured in the SkiTrails control panel online. 12/24V means "ON", 0V means "OFF".
6. OPTIONAL: Attach GREEN/WHITE "INPUT B" wire to a switch. Meaning is configured in the SkiTrails control panel online. 12/24V means "ON", 0V means "OFF".

The meaning of INPUT A/B will depend on the settings applied on the SkiTrails website. There are several options, including “Tracker On/Off”, “Hazard Marker”, “Maintenance Marker”. Any switch type can be used, including ON/OFF and momentary action switches (momentary switches are ideal for “marker” type actions).

Antenna Installation

For the GPS antenna:

1. Connect the GPS antenna to the tracker body using the push-plug provided. The socket on the tracker is labelled “GPS”.
2. Place the GPS dongle (black diamond) in a location where it has a clear view of the sky. Avoid metal surfaces. It is waterproof, so outside the vehicle can work as long as damage to the cable can be avoided. If running cable through a door, place as far away from hinges and door locks as possible. Usually, the top-corner of a door works well, as the door will flex a little and not apply excessive pressure on the cable. Use a door or window opening that will not be frequently opened.

For the GSM antenna:

1. Connect the GSM antenna to the screw-terminal on the tracker. It is labelled “GSM”.
2. Clean (using isopropyl alcohol) and dry an out-of-the-way piece of window glass.
3. Remove the adhesive protection from the back of the antenna and firmly press onto the glass.

Placement of each antenna is important for best performance. In both cases:

- Avoid placing the antenna under or directly on large metal surfaces. These surfaces will interfere with signals and reduce performance, possibly below a usable level.
- Be sure to run cables in areas where they won’t be damaged. Tuck wires into wall/window linings and secure with zip-ties.
- Avoid running antenna wires parallel to other wiring. “Crosstalk” may degrade the antenna signal, reducing performance.
- Avoid tight bundling/coiling antenna cables wherever possible. If necessary, loosely bundle excess cable in a protected alcove (under seats, behind wall panels, etc).

Wiring Diagram

