



Anti-Theft System

Operation & Installation Guide

WARNINGS & SAFETY INSTRUCTIONS

 **Do not operate WiTi unless you have read and understood this manual. Ensure WiTi is installed as per the instructions, failure to do so will void warranty.**

Ensure the cable used to install **WiTi** Anti-Theft is of adequate thickness to provide the necessary current for the circuit.

WiTi Anti-Theft must be installed away from environmental conditions that may cause damage to the units circuitry including water, salt spray and humidity.

WiTi Anti-Theft is connected to the internal house battery of the caravan or trailer, insufficient charge of the house battery will affect the performance of the Anti-Theft functions. The condition of the battery in the caravan or trailer must be maintained and checked.

NOTE : When servicing the electric brakes or magnets it is recommended **WiTi** is disconnected to prevent accidental short circuits.



Warning : The remote controls supplied with WiTi Anti-Theft contain button / coin batteries. These batteries are hazardous and can cause severe or fatal injuries in 2 hours or less if swallowed or placed inside any part of the body. These batteries must be kept away from children (whether the battery is new or used). Medical advice must be sought immediately if it is suspected the battery has been swallowed or placed inside any part of the body.

WiTi ANTI-THEFT SYSTEM

WiTi detects movement via a highly sensitive gyroscope and accelerometer. In the event an attempt is made to gain access to or tow the caravan or trailer the Anti-Theft system will be activated. All the lights flash, the alarm sounds and the brakes are applied making it practically impossible to tow the caravan or trailer. This continues as long as movement is detected. Once movement ceases **WiTi** Anti-Theft will reset after 30 seconds. The brakes are applied initially for 5 seconds and then released if there is no movement to prevent the battery from discharging unnecessarily.

To activate **WiTi** Anti-Theft, press and hold the button on the remote control for ½ a second, the side and front markers and indicators will flash once followed by a 3 second safety pause and then a double flash to indicate the system is armed. The Alarm Status LED will illuminate. To deactivate, press and hold the button on the remote control for ½ a second and the lights will flash once and the Alarm Status LED will switch off.

WiTi incorporates an advanced safety system to ensure the system cannot be accidentally activated whilst the caravan or trailer is being towed. After activating the system, if movement is detected during the 3 second safety pause the system will not arm. The lights will not flash twice and the Alarm Status LED will not illuminate. The system must be deactivated again by pressing the remote control button for ½ a second before another activation sequence is attempted.

WiTi GPS TRACKING

WiTi features an optional GPS Tracker. If supplied, connect the GPS Tracker to the corresponding plugs on the wiring loom. Refer to the **WiTi** GPS section for activation and operating instructions.

Specifications

	Trailer Unit
Nominal system voltage	12V
Operating voltage	9V-12V
Standby current	<10mA
Operating temperature	-20C – 60C
Max. trailer axles	3 Axles
Braking circuit max draw	25A
Maximum rated current	30A
Weight	300g

Contents

1. Trailer Unit
2. Alarm Horn
3. 2 Remote Controls



INSTALLATION INSTRUCTIONS

- The unit must be installed vertically and facing either the front or rear of the caravan or trailer with the wiring harness protruding from the bottom of the unit. **WiTi** uses gravity to initialise the gyroscope and detects acceleration in the direction of travel. If not installed correctly functionality will be compromised. The unit must be installed inside the caravan or trailer and it is recommended the unit is installed towards the front of the caravan or trailer. This will make the unit more sensitive to attempts to hitch up or knocks onto the tow hitch. The unit can be screwed onto a panel through the mounting lugs and using appropriate sized screws.
- **The horn must be installed at least 1 metre away from the Trailer Unit and on a different mounting surface to prevent interference from vibration. If the horn is installed too close to the Trailer Unit, the vibration will be detected as movement and the alarm will continue sounding.** The horn is weather proof so it can be installed externally.
- The Alarm Status LED outputs must be connected to the supplied 3V LED as per the wiring instructions. The LED will light when the alarm is armed and switch off when the alarm is disarmed. The LED will flash if a short circuit or overload is detected. Install the LED in an area which is visible to the user.
- The caravan or trailer battery must be connected to an acceptable charging circuit - either solar panels, anderson plug or DCDC charger.

CIRCUIT PROTECTION AND FAULT CONDITIONS

In the event a short circuit or an overload is detected, **WiTi** Anti-Theft will disable all functions and the Alarm Status LED will flash. The Alarm Status LED will continue to flash until the short circuit is repaired and the unit restarted by pressing the button on the remote control.

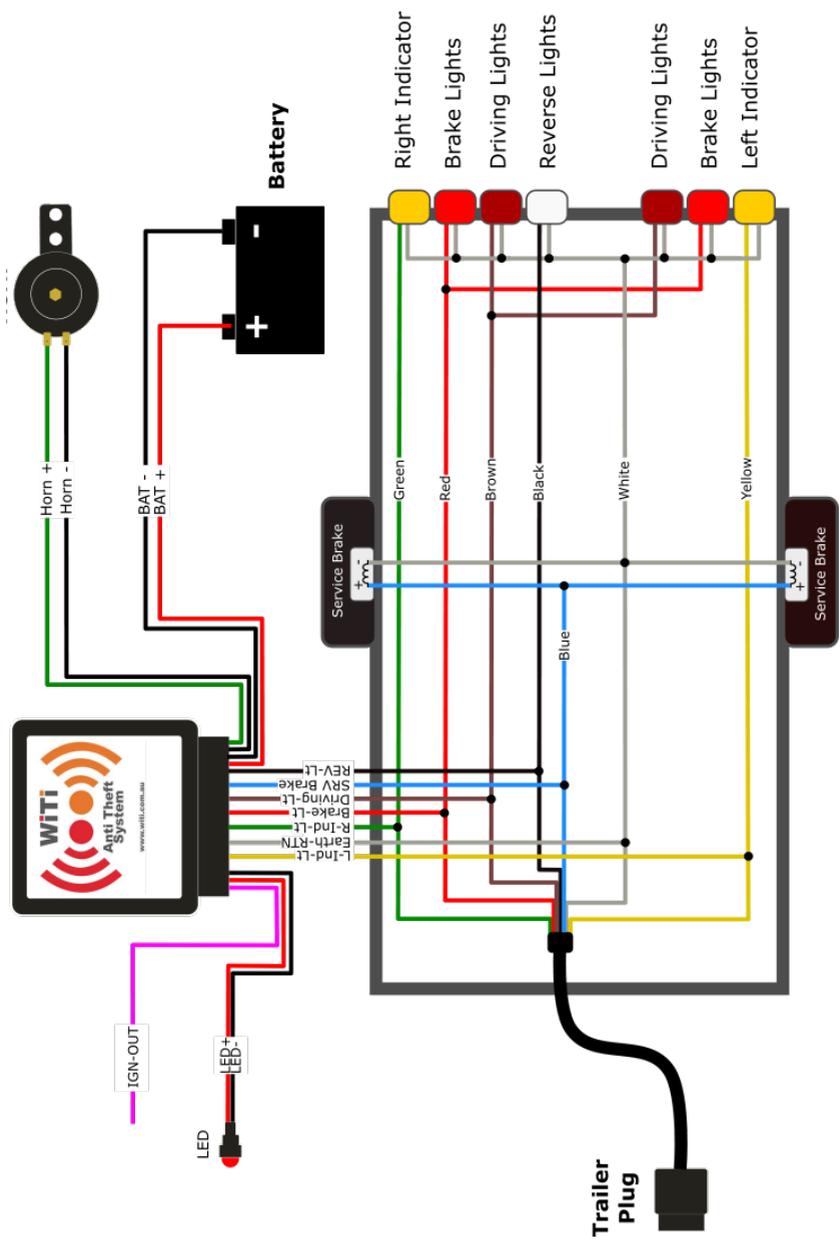
NOTE : When servicing the electric brakes or magnets it is recommended **WiTi** is disconnected to prevent accidental short circuits.

WIRING INSTRUCTIONS

The trailer unit is fitted with a 24 pin plug and separate harnesses for the GPS Integration option. **WiTi** is installed in parallel with the existing wiring harness on the caravan.

Generally the wiring harness for the caravan or trailer will run down the A-frame and chassis and exit near the axle where it will split to the brakes and lighting circuits. This is a good location to connect into the harness. **WiTi** works in conjunction with other circuits for lighting and braking and is installed in parallel with other circuits. Locate the wiring harness on the caravan and connect into the corresponding wiring as per the guide below. **WiTi** wiring is colour coded as per Australian standards.

Colour	Label	Function
	L-Ind-Lt	Left Indicator
	R-Ind-Lt	Right Indicator
	Brake-Lt	Brake Light
	Head-Lt	Park Lights and Markers
	Rev-Lt	Reverse Lights
	SrBrake	Electric Brake Output
	Earth RTN	Earth Return
	IGN-Out	Ignition feed - Not used on WiTi Anti-Theft System
	Horn +	Alarm Horn Pos output. Connect to horn
	Horn -	Alarm Horn Negative. Connect to horn
	LED +	Alarm Status LED 3.3V+. Connect to positive on LED
	LED -	Alarm Status LED 3.3V-. Connect to negative on LED
	BAT +	12V+ connect to positive terminal on house battery and protect with a 30A fuse.
	BAT -	NEG connect to negative terminal on house battery.



GPS OPERATION AND ACTIVATION GUIDE

GPS Tracking is available as an optional upgrade to **WiTi** Anti-Theft. The **WiTi** GPS hardware is simply plugged into the 4 pin and 2 pin corresponding plugs on the **WiTi** wiring harness. Ignore the two orange wires, those are not connected. **WiTi** GPS is supplied with a SIM and does not require connection to a third party network provider. The **WiTi** GPS is network independent and will operate wherever mobile phone signal is available irrespective of service provider. **WiTi** has partnered with global leaders Quiktrak and has integrated QuikProtect GPS Tracking and Alerting into **WiTi** Anti-Theft. This extends the functionality of **WiTi** Anti-Theft and provides mobile phone alerts if the alarm is triggered as well as real time tracking in the event of theft.

WiTi GPS has two service plans that can be selected when registering your device, QProtect and Track.

1. **WiTi** Track provides real time tracking and alerting and is connected 24/7 providing instant updates to the **WiTi** GPS App.
2. **WiTi** QProtect is a “location on demand” system allowing the user to locate and receive notifications via the **WiTi** GPS mobile or web applications. A key benefit of QProtect is that it utilises a low cost credit system. A credit is charged when an event / alert is activated, for example the triggering of the alarm, a location request, low battery voltage or battery disconnection. 20 credits are supplied free of charge on registration or renewal of the annual subscription. Qprotect automatically checks the location every 18 hours and updates the App.

Alerts are sent to your mobile phone via the **WiTi** GPS app. Alerts will be sent for the following:

- if the alarm is triggered,
- if the battery in the van is below 11.5V,
- if the battery is disconnected (perhaps in an attempt to disable the alarm),
- if the caravan is towed away from a set location or geo fence.

These alerts can be switched on/off in the **WiTi** GPS App if they are not required. We recommend switching on the Geofence if the caravan / trailer is being stored or will not be moved for a while. Otherwise leave it off as it will charge a credit if it is outside the Geofence area, this could use up credits very quickly.

Odometer readings are included as **WiTi** GPS automatically updates the location and distance travelled when updating the location. To see mileage press the P symbol on the map in the **WiTi** GPS app.

Please make note of the IMEI number printed on the GPS and store it for future reference and to access GPS support.

Pricing:

WiTi Tracking is priced at \$228 per year and QProtect is \$49 per year. This is charged on registration of the GPS. Additional credits for QProtect are available via the App at a cost of \$18 for 100 credits or \$10 for 50. These prices are subject to change from time to time.

GPS ACTIVATION GUIDE

Step 1: Go to www.witi.com.au

Step 2: Click the GPS Activation menu item

Step 3: Click “New Customer”

ACTIVATION

Please, enter client Email address or Login Name.
For new customers, please select New Customer tab below.

Email / Login Name:

SUBMIT **NEW CUSTOMER**

For the asset type leave the **WITI** logo selected. This will ensure the default settings for WITI GPS are installed on your device.

Asset Type*

Car, Truck, Sailboat, Motorcycle, Boat, Construction Vehicle, Bus, Tractor, Building, Trailer, Van, Forklift, Person, Dog, Signal Tower, Question Mark

For solution type please select either **WITI** Qprotect or **WITI** Track depending upon the service required.

Solution Type *

- Select Solution Type -

WITI QProtect
WITI Track

LIMITED WARRANTY

If Leisure Technologies determines that you are covered by a warranty as set in the Australian consumer law the company shall at its expense: (a) repair the product or replace the product with a new unit (which may have used refurbished parts of similar quality); (b) ship the repaired or replaced unit back to you; (c) warrant the repaired or replaced product for a reasonable period; and/or (d) refund money paid for the product. The Company has the discretion as to which remedy applies.

Warranty period

The warranty period starts on the date of purchase and ends 24 months later. For the purpose of this limited warranty, the date of purchase is the date indicated on the original bill of sale or receipted invoice for the product from the vendor from which you acquired this product.

How to get warranty service

During the warranty period, if you wish to return a defective product you may contact us via www.witi.com.au. You may then return the defective product to the address given accompanied by an acceptable proof of purchase (a bill of sale or receipted invoice).

What is not covered

The limited warranty does not cover a product:

- for which you are not the original purchaser;
- that is damaged by using in a way that was unreasonable or unintended;
- that is returned after the applicable warranty period set out above has expired;
- that has been installed other than per the product installation guidelines;
- that has been maintained, altered or modified, opened or repaired, other than by the company or by a company authorised service centre;
- that has been physically damaged, other than by the company or a company authorised service centre.

To the extent permitted by law, Leisure Technologies, its directors, officers, employees, suppliers and agents, shall not be liable for injury to persons or property, or for any indirect, special, incidental or consequential, punitive or exemplary damages and liability and shall be limited to the amount you paid for the product.

Disclaimer

- WiTi products are designed for installation by reasonably competent consumers. Consumers are taken to have sufficient knowledge of the intended caravan or trailer unit and its appropriateness for the installation of any WiTi products.
- Installation of WiTi products may require consumers to have knowledge and experience using powered tools and electrical wiring. Consumers without such knowledge are to refrain from attempting any installation of WiTi products and to consult their nearest WiTi specialist or qualified Auto Electrician.
- Prior to the installation of any WiTi product consumers are taken to have comprehensively read and understood the appropriate WiTi operation and installation guide included with the product.
- It is the consumer's sole responsibility to have WiTi products properly installed on their vehicle and/or trailer units along with any modifications necessary for the proper installation of WiTi products.
- Consumers are solely and completely responsible for evaluating their trailer units to ensure that the trailer units, and each part thereof, is appropriate, adapted, and applicable for installation and use of WiTi products.
- Any and all WiTi unit damages caused by a consumer's failure to modify the caravan or trailer properly for installation and use of one or more WiTi products not covered by this disclaimer is the sole responsibility of the consumer.
- Leisure Technologies Pty Ltd and their distributors and resellers also expressly disclaims all liability for direct, indirect, special, incidental, or consequential damages, including but not limited to, damage or loss of property or equipment, injury to person whether physical or not, loss of profits or revenue, cost of purchase or replacement of goods, or claims of customers of the purchaser that result from the incorrect installation of any WiTi Anti-Theft unit or subunit.

Other important notices

To the extent permitted by law, this limited warranty constitutes the entire agreement on the subject matter and supersedes any prior agreement or understanding, written or oral. Where used herein, the company shall mean Leisure Technologies Pty Ltd and its subsidiaries and associates.

Our goods come with guarantees that cannot be excluded under the Australian consumer law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. The benefits under your warranty are in addition to other rights and remedies under the law in relation to the product.

Leisure Technologies Pty Ltd

WWW.WITI.COM.AU