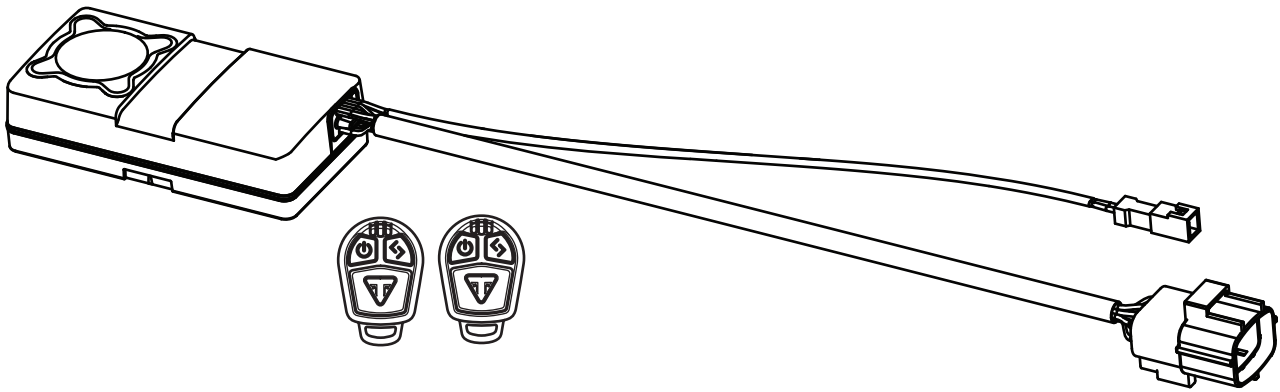




Protect+ User Guide



The Triumph Protect+ is an alarm system designed specifically to complement the original equipment immobiliser system on your Triumph motorcycle. The Triumph Protect+ is purely an alarm, the immobilisation functionality is handled by the motorcycle ignition system.

When armed the Triumph Protect+ monitors your motorcycle for signs of unauthorised movement by use of a movement sensor, unauthorised ignition operation and unauthorised access to the alarm control unit as well as battery removal. If any of these conditions are detected the alarm siren will sound and the motorcycle indicators will flash except if the motorcycle battery has been disconnected, where the siren will still sound thanks to an internal rechargeable battery in the Triumph Protect+, but the motorcycle indicators will not flash. The siren will operate for 29 seconds, then re-arm. This will be repeated 10 times if an alarm trigger remains. After the activation cycle has been repeated 10 times the siren will no longer sound until the next alarm arm/disarm.

This security system is designed as a deterrent and is not in itself a guarantee against theft. We advise you that the more difficult you make your machine to be stolen, the lower the potential theft risk.

Applying common sense and securing your machine with additional security every time you park plays a large part in this. Visit www.triumphmotorcycles.com for Triumph security products.

Please retain this user guide for future reference.

The information contained in this publication is accurate at the time of final approval, however, Triumph Motorcycles reserves the right to amend the information at any time without notice.

Insurance Approval

The Triumph Protect+ is approved in the UK as a Thatcham Category 2:1 upgrade alarm, designed to be installed on Triumph motorcycles equipped as standard with the Triumph immobiliser system.

When installed to the correct specification motorcycle, the Triumph Protect+ upgrades the motorcycle approval to full Thatcham Category 1 status.

Declaration of Conformity

We, Scorpion Automotive Ltd, Dunhead Road, Chorley North Business Park, Chorley, Lancashire, PR6 7DE.
Tel: +44 (0) 127 249928 Fax: +44 (0) 1257 249938 Declare that the Products:

Product name: **PROTECT PLUS**

Part number: **9800100, DT200**

Listed above are in conformity with the following UK and UN regulations:

Radio Equipment Regulations 2017

Electrical Equipment (Safety) Regulations 2016

UNECE Regulation 10 concerning the approval of vehicles with regard to EMC (Revision 5)

Standards and type approvals comply with the above directives/regulations:

ETSI EN 300 220-1 V3.1.1:2016-11

ETSI EN 300 220-2 V3.1.1:2016-11

ETSI EN 301 489-1 V2.2.0:2017-03

ETSI EN 301 489-3 V2.1.1:2017-03

EN62479:2010

VCA Type Approval E11*10R05/01*10835*00

And we have examined the technical basis for this declaration which is based on the test reports and certificates issued by:

ETS Ltd, Pratts Fields, Lubberhedges Lane, Stebbing, Essex, CM6 3BT

Supporting documentation relevant to this declaration will be made available on request.

This Declaration is made on behalf of Scorpion Automotive Ltd by:

Michael Nolan

Quality Manager

Date: 04/01/2021



The attention of the specifier, purchaser, installer or user is drawn to special measures and limitations to use which must be observed when the product is taken into service to maintain compliance with the above directives and regulations. Details available on request.

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 **Caution**

The Triumph Protect+ is designed specifically for Triumph Motorcycles with the compatible alarm connection plug. The Triumph Protect+ is approved for use on those motorcycles only. Modification of the alarm wiring or control unit in any way will invalidate the granted approvals and warranty and may result in technical failure.

Supply: 12Vdc, 4A

RF Device: 433MHz, <1mW ERP

The Remote Control

Note:

- In the interests of security it is not recommended to attach the Protect+ remote control to the motorcycle key.

Operation

The Triumph Protect+ is provided with 2 remote controls as standard.

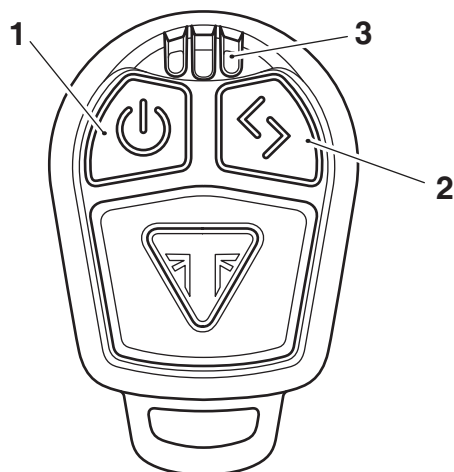
It is possible to add up to 4 extra remote controls (6 in total).

We recommend making use of both remote controls from time to time, ideally alternating use every 3 to 6 months.

The left hand 'Arm/Disarm' button controls the main arm/disarm functions of the system.

The right hand 'Programming' button is used to initiate secondary functions such as movement sensor deactivation (Transport Mode) and bike finder.

When either button is pressed on the remote control, the LED indicator will illuminate to confirm the button has been pressed and the remote transmitter is operating. If the LED indicator does not illuminate when either button is pressed replace the battery as detailed below.



1. Arm/Disarm button
2. Programming button
3. LED indicator

Replacing the Battery

Each remote control contains a single long-life lithium battery (CR2450).

Please replace the remote battery when the range of operation decreases noticeably.

Notice

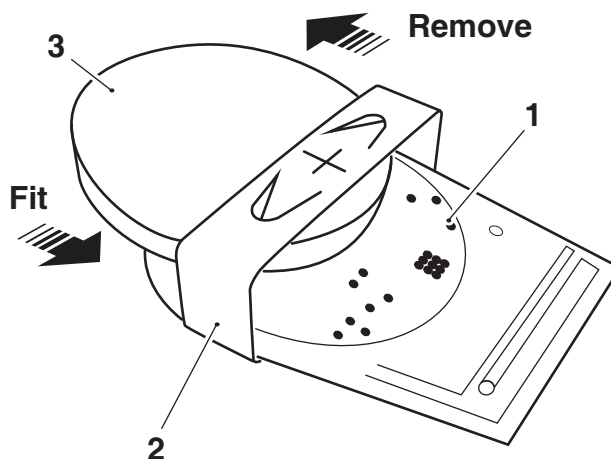
Make sure the used battery is disposed of, or recycled in accordance with local environmental regulations. Incorrect disposal or recycling of a battery may result in prosecution.

1. To replace the battery, locate the recess in the edge of the remote control casing and gently prise the upper and lower sections of the casing apart at this point.

Caution

When removing, or fitting a battery in the remote control make sure it is removed or fitted in the correct direction. Failure to remove or fit a battery correctly could result in damage to the remote control and possible malfunction.

2. The battery is retained by a clip on the remote control circuit board and can be removed by sliding the battery out from under the clip in the direction shown. Fit the new battery, ensuring the battery polarity is correct, by sliding the battery under the retaining clip in the direction shown.

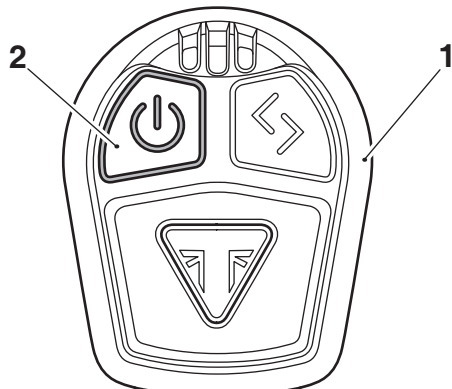


1. Remote control circuit board
2. Retaining clip
3. Battery

3. Align the two casing halves and squeeze firmly to click the casing back together, ensuring the joint is even around the perimeter.

Operating the Triumph Protect+, Basic Functions

Arming (turning the Triumph Protect+ on) and disarming (turning the Triumph Protect+ off) are the most common interactions and can be performed with a single button operation on the remote control.



- 1. Remote control
- 2. Arm/Disarm button

Arming the Triumph Protect+

To manually arm the Triumph Protect+, with the motorcycle ignition switched off press the Arm/Disarm button on the remote control once. The indicators will flash twice and if arm/disarm tones are enabled, a double chirp will be heard.

The dedicated alarm LED in the motorcycle instruments will illuminate for 3 seconds and then flash once every second for a further 10 seconds whilst the system initializes the tilt sensor and trigger inputs. After 10 seconds, the Triumph Protect+ is fully armed, and the motorcycle LED will flash at a rate determined by the motorcycle battery voltage, see Battery Monitoring.

Disarming the Alarm

To disarm the Triumph Protect+, press the Arm/Disarm button once. The indicators on your motorcycle will flash once to confirm the Triumph Protect+ has disarmed and if the audible chirps are enabled, a single chirp will be heard. The motorcycle ignition can now be turned on without triggering the Triumph Protect+. The Triumph Protect+ cannot be re-armed within 3 seconds of disarming.

Passive Arming

With Passive Arming enabled there is no need to press the Arm/Disarm button to arm the Triumph Protect+. Once the motorcycle ignition is switched off the Triumph Protect+ will arm fully after the chosen delay period, which can be chosen by the user from 30 seconds, 1 minute or 2 minutes. The indicators will flash when the Triumph Protect+ is automatically arming. Passive Arming is disabled by default.

Operating the Triumph Protect+, Advanced Features

In addition to the basic functions the Triumph Protect+ also offers the following advanced features:

- Arm silently (if tones enabled)
- Disarm silently (if tones enabled)
- Arm in Transport Mode
- Long Term Storage Mode
- Bike Finder
- Panic Alarm
- Battery Monitoring

Arm Silently

If the arm/disarm tones are enabled, it is possible to arm the Triumph Protect+ silently by pressing the Programming Button on the remote immediately before pressing the Arm/Disarm button.

The buttons must be pressed within 3 seconds of each other, the Triumph Protect+ will arm as normal except the arming notification tones will not be sounded. Subsequent arming sequences will not be affected.

Disarm Silently

If the arm/disarm tones are enabled, it is possible to disarm the Triumph Protect+ silently by pressing the Programming Button on the remote immediately before pressing the Arm/Disarm button.

The buttons must be pressed within 3 seconds of each other, the Triumph Protect+ will disarm as normal except the disarming notification tones will not be sounded. Subsequent disarming sequences will not be affected.

Automatic Rearming

When enabled, the Automatic Rearming feature will arm the Triumph Protect+ if the Triumph Protect+ has been disarmed via the two-button remote and the ignition is not switched on within 30 seconds. Turning on the ignition or arming via the two-button remote will cancel the Automatic Rearming feature. Automatic Rearming is disabled by default.

Note:

- **The Triumph Protect+ will not automatically arm as a result of the ignition being switched off, this is known as Passive Arming.**

Arm in Transport Mode

To arm the Triumph Protect+ in Transport Mode, first press the Arm/Disarm button as normal to arm the Triumph Protect+. Then, within 3 seconds of the first button press, press the Programming button which will disable the movement sensor; the Triumph Protect+ will chirp a third time (if tones are enabled) and the indicators will also flash a third time to indicate the movement sensor has been disabled.

The motorcycle instrument LED will now double flash instead of single flash to identify Transport Mode has been activated.

Transport Mode allows the bike to be moved around (for example when cleaning) or transported in a van without the Triumph Protect+ triggering due to movement.

Note:

- **Ignition detection and ECU protection switch detection remain fully active.**

To exit Transport Mode simply disarm the Triumph Protect+ using the Arm/Disarm button and rearm the Triumph Protect+ if required.

Long Term Storage Mode

Long Term Storage Mode, also known as 'Winter Mode' is used for motorcycles that are not ridden for long periods and which are stored securely. When in this mode the Triumph Protect+ draws negligible current and will only respond to the ignition being switched on, the movement sensing and ECU protection switch detection are inoperative.

To enter Long Term Storage Mode, disarm the Triumph Protect+ and with ignition off hold down both buttons on the two-button remote for 10 seconds. A loud bleep will be heard, and the Triumph Protect+ system will now be inactive.

To exit Long Term Storage Mode, turn the motorcycle ignition on and the Triumph Protect+ will sound a series of fast bleeps that rise in volume. Press the Arm/Disarm button to disarm the Triumph Protect+. If the Arm/Disarm button is not pressed the Triumph Protect+ will trigger fully and the siren will sound.

Note:

- **Long Term Storage Mode should also be used to prevent the Triumph Protect+ from triggering if the motorcycle battery needs to be disconnected for any reason.**



Caution

Your insurance company may not include cover for an alarm in Long Term Storage Mode.

The level of security is reduced when the Triumph Protect+ is in Long Term Storage Mode.

Always check the details of your insurance cover before using the Long Term Storage Mode.



Caution

Prolonged storage of the motorcycle with the Triumph Protect+ armed will result in battery drain.

Excessive battery drain will cause permanent damage to the battery.

The motorcycle should be connected to an appropriate battery conditioner to maintain good battery condition.

Bike Finder

The Bike Finder feature flashes the directional indicators so that the rider can identify the location of their motorcycle from afar without disarming the Triumph Protect+.

Bike Finder is only operational when the Triumph Protect+ is fully armed and can be activated by pressing the Programming button on the remote control for 3 seconds. The motorcycle indicators will flash 10 times then stop.

Pressing the Programming button during the directional indicator flashes will cause the flashing to stop (Note: no need to press and hold).

The Triumph Protect+ cannot be disarmed whilst the Bike Finder function is operational.

Panic Alarm

Note:

- **The Panic Alarm does not operate with the ignition ON.**

The Triumph Protect+ offers a 'Panic Alarm' facility that will cause the Triumph Protect+ siren to sound and the motorcycle indicators to flash to attract attention. To activate the Panic Alarm, hold down the Arm/Disarm button on the remote control for 3 seconds with the motorcycle ignition turned off.

To cease the Panic Alarm, press the Arm/Disarm button on the remote. The Panic Alarm will run for approximately 5 minutes unless stopped by the remote control.

If the Triumph Protect+ is disarmed with ignition off, then pressing and holding the Arm/Disarm button for 3 seconds will first arm the Triumph Protect+ before triggering the Panic Alarm. If the Triumph Protect+ is in the armed state, then pressing and holding the Arm/Disarm button for 3 seconds will disarm the Triumph Protect+ before triggering the Panic Alarm feature.

Diagnostics Bleeps

When the Triumph Protect+ is disarmed via the remote control, a series of bleeps may be heard signifying the Triumph Protect+ has been triggered.

The explanation for the bleeps is as follows:

- **1 Bleep:** Ignition on trigger
- **2 Bleeps:** ECU protection switch trigger
- **3 Bleeps:** Inclination detection trigger
- **4 Bleeps:** Panic Alarm
- **5 Bleeps:** Power supply disconnect trigger
- **6 Bleeps:** Inclination sensor hardware warning
- **7 Bleeps:** Software reboot warning

Battery Monitoring

The Triumph Protect+ monitors the motorcycle battery voltage and, when the Triumph Protect+ is armed, flashes the motorcycle instrument LED at a variable rate to notify the measured battery voltage. The LED flash rate is as follows:

Lead Acid Battery

Measured Voltage ¹	LED Sequence ²	Indicative Status
Greater or equal to 11.5 V	Once every 5 seconds	Fully charged battery
Between 11.5 V and 10.5 V	Once every 10 seconds	Partially discharged battery
Less than or equal to 10.5 V	Once every 20 seconds	Low battery

¹ Voltages are approximate

² If the movement sensor is disabled, either by Transport Mode or via programming then the status LED will flash twice in quick succession to indicate that the movement sensor has been disabled.

Lithium Battery

Measured Voltage ¹	LED Sequence ²	Indicative Status
Greater or equal to 13.2 V	Once every 5 seconds	Fully charged battery
Between 13.2 V and 12.4 V	Once every 10 seconds	Partially discharged battery
Less than or equal to 12.4 V	Once every 20 seconds	Low battery

¹ Voltages are approximate

² If the movement sensor is disabled, either by Transport Mode or via programming then the status LED will flash twice in quick succession to indicate that the movement sensor has been disabled.

Troubleshooting

If the Triumph Protect+ does not react to the remote control when arming or disarming check the following:

- LED Indicator is illuminating on the remote when the Arm/Disarm button is pressed. If not replace the remote control battery.
- Operate the remote directly adjacent to the motorcycle in case of local radio frequency (RF) interference.
- If a local source of RF interference is identified, move the motorcycle away from the area and attempt to operate the Triumph Protect+ again.



Caution

It is important that the internal battery in the Triumph Protect+ is not left in a discharged condition.

If the Triumph Protect+ internal battery is left discharged it will result in damage to the battery.

If the motorcycle is to be left unused for any period beyond two weeks it should be connected to an appropriate battery conditioner to maintain good battery condition.

Battery issues resulting from improper maintenance are not covered under warranty.

Customising the System

The Triumph Protect+ has been designed to be simple to operate and to allow certain features to be programmed to suit personal preference or requirements. The user programmable options are:

- Arm/Disarm tones – quiet, loud or off (default)
- Automatic Rearming – on or off (default)
- Passive Arming at ignition off – activate at; 30 seconds, 60 seconds, 120 seconds, or off (default)
- Battery type – lead acid (default) or lithium ion

Note:

- **Sensitivity movement can only be adjusted by a Triumph dealer, due to Thatcham approval requirement.**

Programming Guide

To customise the Triumph Protect+ features to the user preferred options follow the programming guides below.

To Adjust the Arm/Disarm Tone

1. Disarm the Triumph Protect+.
2. Turn on the ignition.
3. Within 10 seconds, press and hold both buttons on the remote control.
4. After 3 seconds the Triumph Protect+ will start to chirp. Release the remote control buttons after the first chirp. The Triumph Protect+ will beep a specified number of times to indicate the current setting.
5. Press the Arm/Disarm button on the remote control to cycle through the tone options:
 - **Off** (1 Bleep).
 - **Quiet** (2 Bleeps).
 - **Loud** (3 Bleeps).
6. Turn off the ignition to exit programming and save the new setting.

To Adjust The Automatic Rearm

1. Disarm the Triumph Protect+.
2. Turn on the ignition.
3. Within 10 seconds, press and hold both buttons on the remote control.
4. After 3 seconds the Triumph Protect+ will start to chirp. Release the remote control buttons after two chirps. The Triumph Protect+ will beep a specified number of times to indicate the current setting.
5. Press the Arm/Disarm button on the remote control to cycle through the automatic rearm options:
 - **Off** (1 Bleep).
 - **On** (2 Bleeps).
6. Turn off the ignition to exit programming and save the new setting.

To Adjust the Passive Arming Time

1. Disarm the Triumph Protect+.
2. Turn on the ignition.
3. Within 10 seconds, press and hold both buttons on the remote control.
4. After 3 seconds the Triumph Protect+ will start to chirp. Release the remote control buttons after three chirps. The Triumph Protect+ will bleep a specified number of times to indicate the current setting.
5. Press the Arm/Disarm button on the remote control to cycle through the automatic arming options:
 - **Off** (1 Bleep).
 - **30 second delay** (2 Bleeps).
 - **60 second delay** (3 Bleeps).
 - **120 second delay** (4 Bleeps).
6. Turn off the ignition to exit programming and save the new setting.

To Choose the Motorcycle Battery type

1. Disarm the Triumph Protect+.
2. Turn on the ignition.
3. Within 10 seconds, press and hold both buttons on the remote control.
4. After 3 seconds the Triumph Protect+ will start to chirp. Release the remote control buttons after four chirps. The Triumph Protect+ will bleep a specified number of times to indicate the current setting.
5. Press the Arm/Disarm button on the remote control to cycle through the motorcycle battery options:
 - **Lead Acid** (1 Bleep).
 - **Lithium** (2 Bleeps).
6. Turn off the ignition to exit programming and save the new setting.

To Reset the Triumph Protect+ to the Default Settings

1. Disarm the Triumph Protect+.
2. Turn on the ignition.
3. Within 10 seconds, press and hold both buttons on the remote control.
4. After 3 seconds the Triumph Protect+ will start to chirp. Release the remote control buttons after five chirps.
5. Press the Arm/Disarm button on the remote control once, the Triumph Protect+ will bleep twice.
6. Press both buttons on the remote control to save the default settings and exit programming.

To Add a new Remote control

1. Disarm the Triumph Protect+.
2. Turn on the ignition.
3. Within 10 seconds, press and hold both buttons on the remote control.
4. After 3 seconds the Triumph Protect+ will start to chirp. Release the remote control buttons after six chirps. The Triumph Protect+ will bleep once.
5. Press the Arm/Disarm button, the Triumph Protect+ will bleep twice.
6. Press both buttons together on the remote control, the Triumph Protect+ will bleep twice.

Note:

- **After programming the first remote control all other remote controls will be deleted.**
7. Press either button on the first remote control to be added, the Triumph Protect+ will bleep once.
 8. Press either button on the next remote control to be added, the Triumph Protect+ will bleep once. Repeat the step for all additional remote controls to be added, (maximum 6). The remote control LED will flash to show the number of remote controls programmed.
 9. Press the Arm/Disarm button once, the alarm will bleep once.
 10. Turn off the ignition to exit programming and save the new settings.