

# GMC5 & GMC5T

## INSTALLATION & OPERATING MANUAL

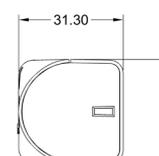
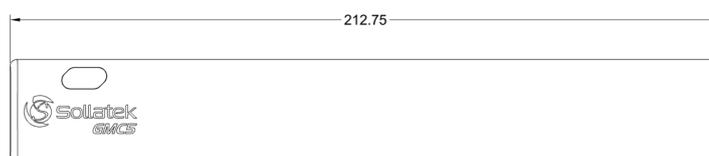


The GMC5 is a ready to go smart tracking device ideal for small to medium assets. The GMC5 uses Wi-Fi for precise geo-location and GSM for transmitting its location to the online portal.

The GMC5T has an embedded temperature sensor to provide accurate temperature measurements to the online portal.

There are three operational modes (stationary, movement and post-movement) to maximise battery life. Transmission intervals can be fully customised Over The Air via the online portal.

The GMC5 is fully sealed and rated IP65 (TBC), so can be mounted in the harshest of environments. The GMC5 can be mounted via industrial adhesive pads or the screw mounting base (sold separately).



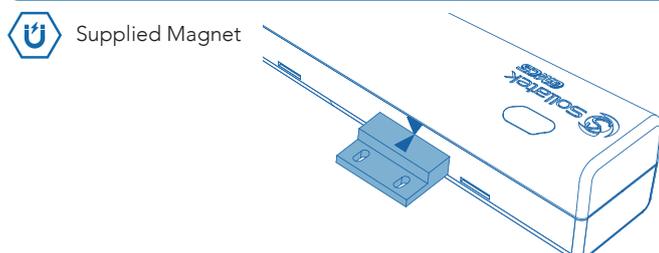
### LED OPERATIONAL DESCRIPTION

Icon	Description	Meaning
	ON for 2 sec, then OFF	Tracker turning ON
	Flashing twice (250 ms ON/250 ms OFF)	Tracker turning OFF
	OFF, OFF	Cellular Communication Powered Down
	ON, Flashing (64 ms ON/800 ms OFF)	Searching for Network
	ON, Flashing (64 ms ON/200 ms OFF)	Registered with Network
	ON, Flashing (64 ms ON/600 ms OFF)	Data Transfer in Progress

### OPERATION SETTINGS

Parameter	Default Setting	Description
Movement duration to state a movement	30 Sec	The period of constant movement to trigger movement mode
Post stopping duration to transmit	1 Hour	The period the GMC5 must remain stationary after sensing movement before transmitting (post-movement mode)
Transmission settings	Transmission on movement and post stopping	The GMC5 will send data once a movement has been sensed and again once movement has stopped
Server ping interval	7 Days	The duration between transmissions when the GMC5 is in stationary mode
Daily allowed movement	5 Minutes	The total duration throughout the day which the GMC5 can be moved without triggering a movement event. All movement after this, which is greater than movement duration will trigger a movement event
Temperature threshold alarm	-14°C	The maximum allowed temperature before the GMC5 reports an alarm. When the temperature falls below the threshold, the GMC5 will cancel the alarm
Temperature measurement interval	1 Hour	The duration between the GMC5 recording temperature measurements

### TURNING THE TRACKER ON



- 1 Align the arrow on the magnet to the activation area of the GMC5 marked by an arrow on the device.
- 2 The Green LED will light for 2 sec, then turn OFF.
- 3 The GMC5 will then be turned ON.

Note: to test transmission and force the GMC5 to send data to the portal, place the magnet close to the activation point 3 times.

## MOUNTING THE GMC5



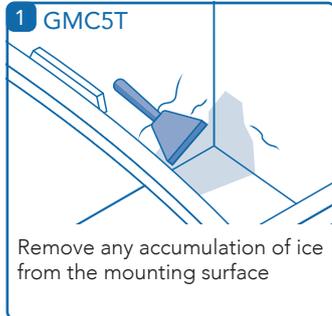
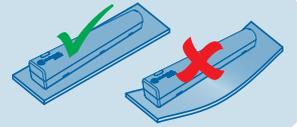
For best signal, avoid mounting the GMC5(T) near/behind metal surfaces and mount with the square end pointing towards/close to the outside of the cabinet.

Isolate power if installing the GMC5 in areas where live electrical equipment are housed.  
Avoid hot/moving parts when positioning.



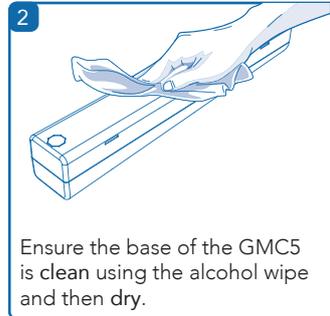
**IMPORTANT:** When choosing a mounting location, check the surface flatness first using the GMC5. If the surface has an extreme curvature where the entire GMC5 base can not stick to the surface, consider an alternative surface.

**Note:** While preparing the surfaces, ensure the adhesive pad is kept at ambient temperature, hot or cold temperatures could result in the adhesive losing adhesion.



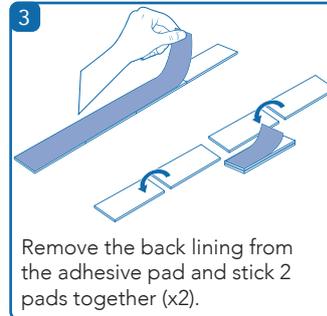
1 GMC5T

Remove any accumulation of ice from the mounting surface



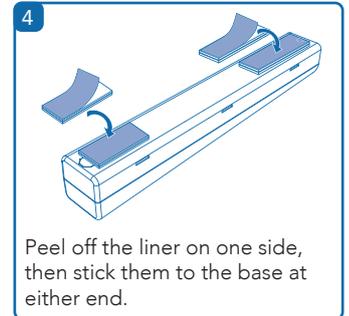
2

Ensure the base of the GMC5 is clean using the alcohol wipe and then dry.



3

Remove the back lining from the adhesive pad and stick 2 pads together (x2).



4

Peel off the liner on one side, then stick them to the base at either end.



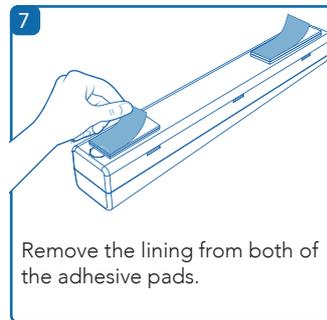
5

Clean any contaminates from the installation surface with the alcohol wipe.



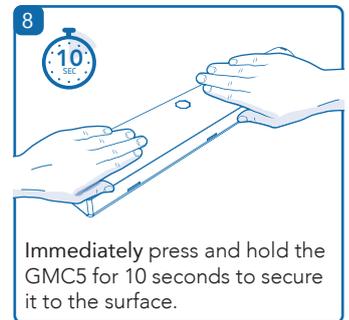
6

Fully dry the installation surface with paper towels.



7

Remove the lining from both of the adhesive pads.



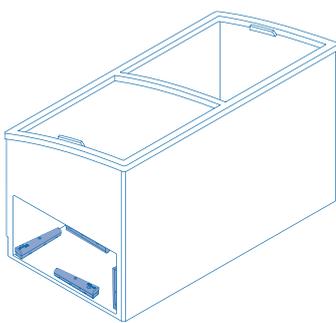
8

Immediately press and hold the GMC5 for 10 seconds to secure it to the surface.

### GMC5 PLACEMENT

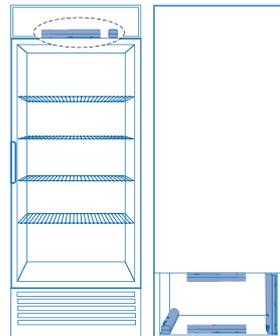
#### Horizontal Freezers

Mount within the compressor compartment as close to the grill as possible



#### Vertical Freezers

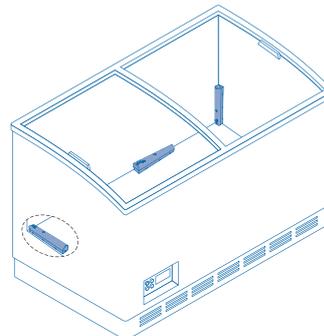
Mount in either the top hat or compressor compartment as close to the grill / edge



### GMC5T PLACEMENT

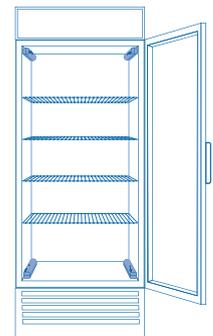
#### Horizontal Freezers

Mount on the floor or on the compressor step along any wall depending on basket positioning.



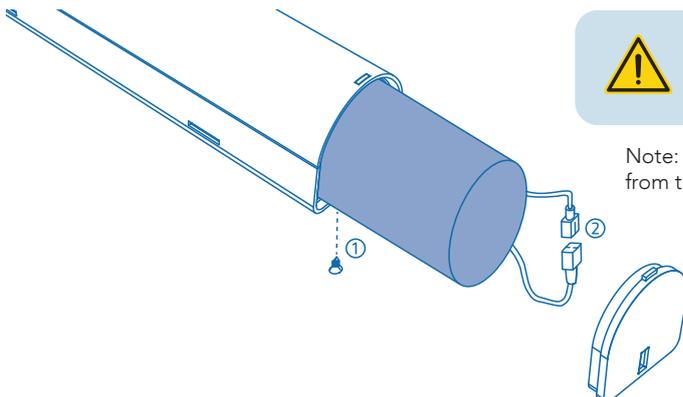
#### Vertical Freezers

Mount along the side walls on either the bottom or to of the cabinet.



**Note:** illustrations are for guide only of mounting orientation and placement but depends on available space within the freezer. For further details on GMC5 placement, please refer to GMC5 Freezer Compatibility Document

## Battery Replacement



Batteries must be replaced with batteries of the same type.  
The device cannot be disposed of as municipal waste therefore such waste should be collected and disposed of separately in accordance to EU directive 202/96/EC.



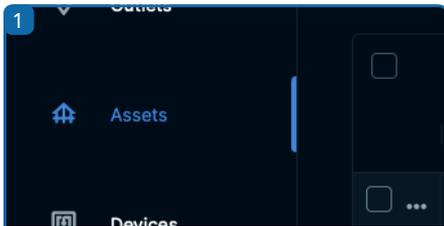
**Note:** the GMC5 needs to be removed (unstuck from the panel/ unclipped from the mount) before battery replacement

- 1 Remove the retaining screws from the base of the GMC5 and remove the end cap.
- 2 Disconnect the battery pack connector and remove the old battery.
- 3 Insert and connect the new battery pack, replace the end cap and secure in place with the retaining screw.

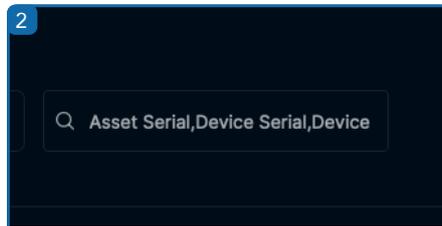
# SOLLATEK PORTAL

## MANAGING DEVICE PARAMETERS

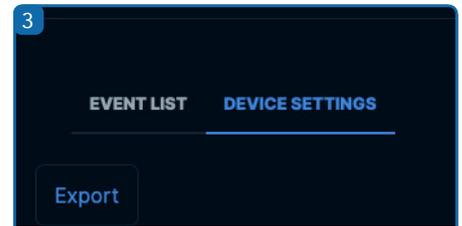
Note: The Sollatek Portal provides remote access and management of your device parameters. To activate your account or for troubleshooting assistance, please contact dimitris.flokos@sollatek.com. Upon successful login, you'll see a dashboard offering a comprehensive overview of all your assets.



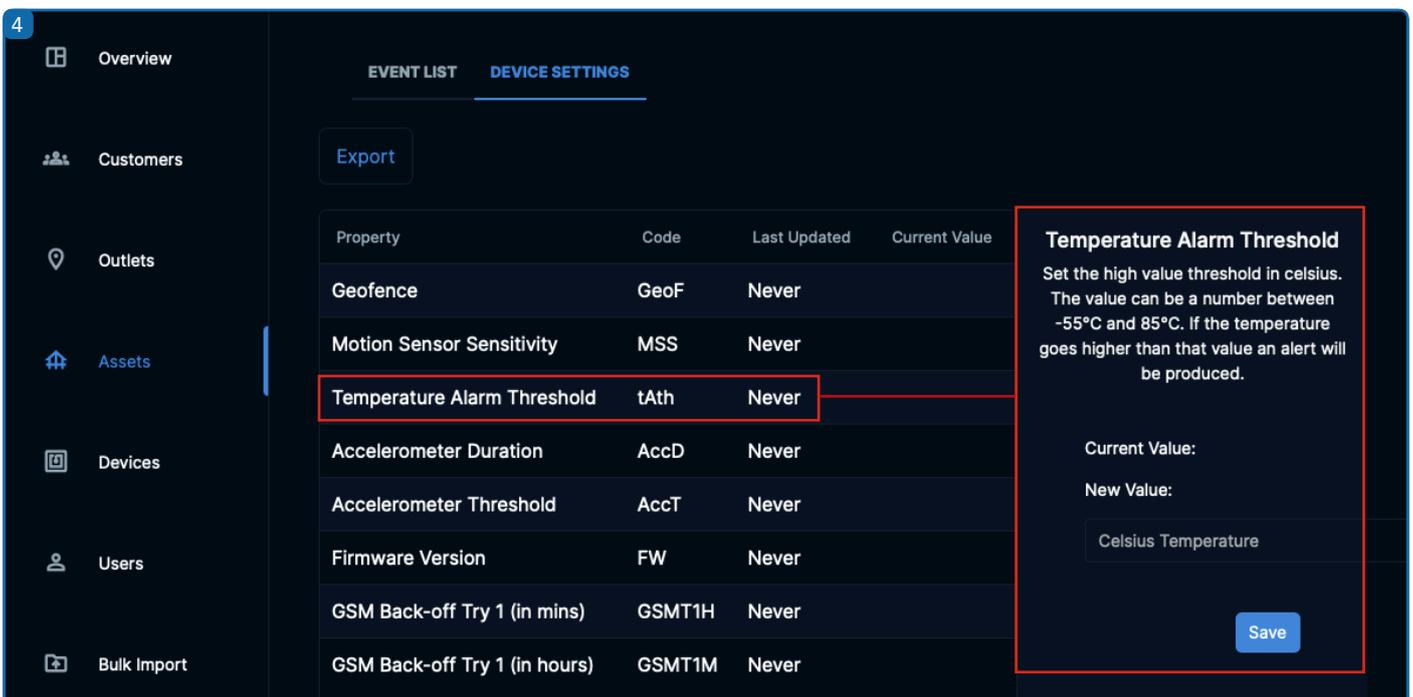
1 To update parameters, navigate to [Assets](#) from the left-hand menu



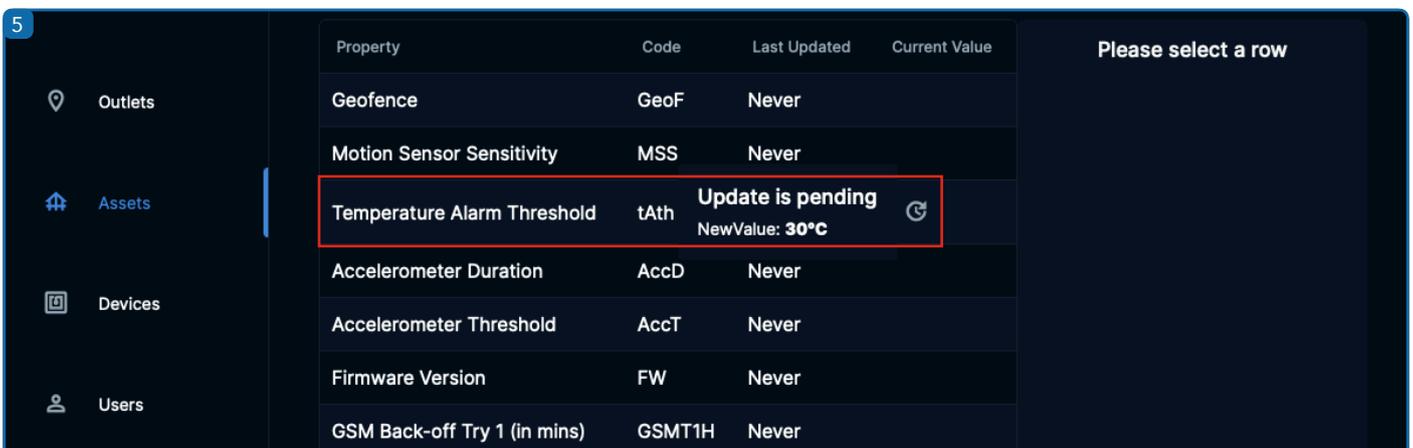
2 Search for the device using its serial number. Then choose the asset by clicking on [Asset Serial](#) ↓



3 Click on [DEVICE SETTINGS](#) tab. All device settings will be displayed. Please note that some parameters are read-only



You can update an individual device parameter by selecting the desired parameter and entering the new value



Please note that parameter updates are asynchronous. This means the new setting will be delivered to the device the next time it communicates with the server. Until that happens, the value will be shown as "Pending."

## SOLLATEK PORTAL - DEVICE SETTINGS

PARAMETER	CODE	ACCESS	DEFINITION
<b>Geofence</b>	GeoF	Read/Write	Sets the geofence radius in meters for the device.
<b>Motion Sensor Sensitivity</b>	MSS	Read/Write	Adjusts motion detection sensitivity to reduce false alerts. Controls several parameters (AccD, AccT, mDt, dAMD) with four preset levels: Very Low, Low, Normal, High.
<b>Temperature Alarm Threshold</b>	tAth	Read/Write	High temperature alert threshold in °C. Valid range: -55°C to 85°C. Alerts are triggered when this is exceeded.
<b>Accelerometer Duration</b>	AccD	Read only	Minimum time duration the acceleration must persist to trigger an interrupt.
<b>Accelerometer Threshold</b>	AccT	Read only	Minimum acceleration level required to trigger an interrupt.
<b>Firmware Version</b>	FW	Read only	Current device firmware version.
<b>GSM Back-off Try 1 (mins)</b>	GSMT1H	Read only	Retry time for first GSM re-try attempt in minutes.
<b>GSM Back-off Try 1 (hours)</b>	GSMT1M	Read only	Retry time for first GSM re-try attempt in hours.
<b>GSM Back-off Try 2 (hours)</b>	GSMT2H	Read only	Retry time for second GSM re-try attempt in hours.
<b>GSM Back-off Try 2 (mins)</b>	GSMT2M	Read only	Retry time for second GSM re-try attempt in minutes.
<b>GSM Back-off Try 3 (mins)</b>	GSMT3M	Read only	Retry time for third GSM re-try attempt in minutes.
<b>GSM Back-off Try 3 (hours)</b>	GSMT3H	Read only	Retry time for third GSM re-try attempt in hours.
<b>Post-Stopping Duration to Transmit (Hours)</b>	PsH	Read only	Time to wait (in hours) before transmission after device stops moving.
<b>Post-Stopping Duration to Transmit (Minutes)</b>	PsM	Read only	Time to wait (in minutes) before transmission after device stops moving.
<b>Access Technology (RAT)</b>	RAT	Read only	Radio Access Technology used (2G, CAT-M).
<b>Daily Allowed Move Duration</b>	dAMD	Read only	Total allowed movement time per day (in minutes) without triggering movement alerts.
<b>Movement Duration to State a Movement</b>	mDt	Read only	Time (in seconds) required to qualify an event as a movement after daily movement allowance is exhausted.
<b>Server Ping Interval</b>	rT	Read/Write	Sets communication interval with the server (1–28 days).
<b>Temperature Reading Interval</b>	tINT	Read only	Frequency of temperature measurements (1/hour, 1/day, or 1/week).
<b>Transmission Settings</b>	tS	Read only	Defines when the device should transmit, it's configured to: on movement, after stopping, and on temperature alerts.