10.06d Edit Location by Grid
10.06e Edit Warning Radius
10.06f Edit Visibility
10.06g Edit POI Icon
10.06h Delete
10.06i Move to SD Card
10.06j Copy to SD Card

15.00 AOIs (Areas of Interest)
15.01 Add AOI Screen
15.02 Add AOI in a Specific Folder
15.03 AOI Details Screen
15.04 Edit AOI Menu
15.04a Rename AOI
15.04b Edit Description
15.04c Edit Location by Map
15.04d Edit Visibility
15.04e Edit Color
15.04f Delete
15.04g Move to SD Card
15.04h Copy to SD Card
15.04i Rename AOIs Within a Grid

18.00 IOIs (Items of Interest)
18.01 Add an IOI
18.02 Add IOI in a Specific Folder
18.03 IOI Details Screen
18.04 Edit IOI Screen
18.04a Rename IOI
18.04b Edit Description
18.04c Delete
18.04d Move to SD Card
18.04e Copy to SD Card

19.00 GoTo and Marker
19.01 GoTo – Set By Coords
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20.00 Accessories
20.01 Mounts
20.01a Bike Mount
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21.00 Services
21.01 General Service
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ii. Basic Layout

Large Side/Front Multifunction Keys
Side/front press keys enable one-handed operation. Buttons are variable (depending on the screen shown) and can be set to activate with 1-click or 2-click operation (section 7.16).

Screen 3.4 in / 8.7cm
Width 3 in / 7.5cm
Height 5.1 in / 13cm
Depth 1.4 in / 3.5cm
Weight 6.2 oz / 175g

GPS Lock
Lanyard Point
Insert SD Card
Location Icon
Trail Taken

SiRF III GPS
Toggle Icon
Battery Indicator
Replaceable Screen Cover
Backlight Boost
On/Off
Stop/Record Icon
Planning Icon

3.5 in / 8.7cm Sunlight Readable Transflective Screen
Weatherproof, Toughened Impact Casing
9 Function Joystick
Mini USB

Removable Battery Back
Can be replaced with a Battery Back for mounting on a bike or in a car, or with a Slimline Battery Back for a lighter unit with a lower profile.
iii. Map Screen Layout

- **Map Toggle**: This is only functional when a toggle-enabled map card is loaded.
- **Status Bar**: All status icons shown in the top bar.
- **GPS Signal Lock**: Normal lock, EGNOS/WAAS lock, No lock.
- **Memory Status Warning**: Indicates the memory status.
- **Location Icon**: Move the joystick left/right to go into PLANNING mode and see the Planning icon.
- **Stop/Record Icon**: Trip log status—Trip Log Active, Trip Log Inactive, No GPS Lock.
- **Battery icon**: When unit is fully charged icon is a solid block.
- **Toggle Icon**: Shows when a toggle-enabled map card is loaded.
- **Map orientation**: Trail Up, North Up.
- **Primary Screens**: Use to scroll through the primary screens.
- **Zoom In**: Toggles between zoomed-in views.
- **Zoom Out**: Toggles between zoomed-out views.

The icon on the lower left shows the orientation that will next appear if the front left button is selected.
1.00 Introduction

Welcome to the world of GPS mapping!
Register your Active 10 online so that we can notify you of updates which are available for download from our website. As with most software products, we have ongoing updates and developments. We continually strive to improve our product and value any feedback you may like to share with us.

1.00 Introduction
Satmap is the creator of the Active 10 — an award-winning rugged sports GPS, purpose-built for the great outdoors, offering a long battery life in a weatherproof and shockproof casing.

- Easy-to-use with ‘plug-and-play’ mapping
- Rugged, shockproof and weather-resistant
- Map orientation options for enhanced visibility
- High quality 3.5" color screen
- Up to 120 hours battery life in hibernate mode
- Ability to plan routes on GPS and online
- Extensive range of international maps

The Active 10 is the ultimate sports GPS. It is easy-to-use and intuitive, showing a blue location dot on a real map so you know exactly where you are at all times. Switch it on, wait for a couple of minutes and your position is shown as being the center of the screen. It has never been easier to find yourself in the great outdoors!

We have over 350 maps to choose from. The unit is supplied with a world base map, and individual maps are sold separately on SD cards that plug straight into the Active 10. Simple to use, there is no computer or other equipment needed.

As a standalone unit, you are able to plot routes or Objects of Interest at home or whilst exploring the outdoors. The unit is weatherproof with a backlit screen which means it can be used day or night in any weather, with enhanced features such as the Red Filter for night vision and the Sun Filter for use in bright sunlight.

This guide will go through everything you need to know about how to use the Active 10 on version 1.5 software.
2.00 Care for your Active 10

2.00 Safety & Care Tips
The Active 10 is purpose-built for the great outdoors, offering a long battery life in a weatherproof and shockproof casing. Although the unit has been built to be rugged and reliable, you should remember that this is a complex electronic device requiring specific care and maintenance.

These tips are intended to provide you with suggestions on getting the most from your Active 10, ensuring you have many years of accurate and reliable GPS and digital map use.

2.01 Battery Charging:
When using the Lithium Polymer battery option supplied by Satmap, it is extremely important that you only use Satmap products to charge the battery (i.e. Satmap Wall Charger, Car Charger, etc.) Failure to do so is potentially dangerous, may damage the Active 10, or result in partial or complete loss of warranty.

2.02 Spare Batteries:
We recommend that you always carry a set of new/spare batteries, and keep them in a watertight wrapping. Although the Active 10 will give you many hours of use, it can be difficult to keep track of the length of time you have been using the batteries, so it is always good to have a back up.

2.03 Acquiring a Lock & GPS Accuracy
To acquire a satellite lock, the Active 10 should be under open skies, immobile and held upright. When a lock has been acquired, the top left signal icon will change from a red 'x' to green or blue crescents, depending on the signal. (Satellite lock times vary).

It is important to remember that the accuracy of any GPS is variable. The GPS system uses triangulation on a constellation of satellites circling the earth to determine a position on the ground. There are a number of factors which can reduce the accuracy of this position information, including poor weather, a limited view of the sky (e.g. in a building, urban/natural canyons, under a thick tree canopy, etc), metallized glass (such as a car windshield), etc. You may also notice a variable performance from one day to the next. This is due to the fact that the position of the satellites relative to the ground can change, resulting in a different triangulation value.

Understanding this variability in the accuracy is important when enjoying outdoor sports in the proximity of dangerous features (e.g. cliffs, marsh, rivers, lakes, etc.) as users must still apply safe practice, be aware of the weather conditions and their own abilities in order to avoid unnecessary risks and dangers.

2.04 Spare Mapping
Although the Active 10 has been designed for use in the great outdoors, carrying a paper map of the area and a compass is always considered good practice.

2.05 Understanding Your Map:
Although the Active 10 gives your exact position on a map, it is important that you understand the symbols and notations on the map. If you are unsure about these, you can download them from our website: www.satmap.com
About Active 10 > About maps
2.06 Care for your Active 10

2.06 Extreme Weather Care Tips
It is important to remember that the Active 10 unit is weatherproof (not waterproof), which means it can withstand weather conditions such as rain and snow, but is not submergible in water. Rated at IP65, the Active 10 will have no harmful effects from rain and is also dust tight.

Please note the following instructions:
• It is extremely important that all watertight seals (i.e. USB port & SD card slot) are properly closed after use, and in good condition.
• Do not remove the screen cover while outdoors. Use a soft cloth to wipe down the screen in the case of rain or mud splashes.
• Map cards: Do not expose the mapcards to water. They should be kept dry and clean at all times. NEVER insert a damp, wet or dirty map card into the Active 10.

2.06a In extreme weather conditions:
1. Switch the unit into Hibernate mode (Settings > Advanced Power Control > Hibernate Timeout), put it into a Satmap Standard or Deluxe Carry Case, and place inside a back pack to protect it from heavy downpour. This will ensure you keep a GPS lock and can still view your position easily without switching the unit off.
   Note: If you wish to continue tracking your route, do not place the unit in hibernate mode. The unit should maintain its lock.
2. You can also carry the unit around your neck on the lanyard, keeping it safely underneath a waterproof jacket. This upright position will ensure that any water slides off the unit, without collecting at the base (where water damage can occur when the unit is submerged).
   • Do not keep the Active 10 in a waterproof jacket pocket or back pack outer pocket. There is a risk of a pool of water collecting at the bottom of the pocket and damaging the unit.
   • The interior of the unit should not be exposed to water or dust. Do not change the batteries or map card in bad weather. With the SD Card door, USB door, or battery back open, the Active 10 will not remain weatherproof. Should water or dust enter the Active 10, do not switch it back on until it has been completely dried out or the dust has been removed.

2.06b In the case of water contact:
• Once indoors, remove the screen cover, battery back and Lipol battery/AA batteries with battery caddy.
• Wipe down the screen cover with a soft cloth.
• Place the Active 10 and components in a warm, dry place (e.g. on a window sill near a heater or airing cupboard), and let them dry completely.

If you are unsure about any damage to your Active 10, please call our technical team who will be able to give you advice on how to proceed, and if necessary, repair your unit accordingly. (Please refer to satmap.com for your local number).

2.06c Missing/worn parts:
You will need to send your Active 10 back to Satmap for repair if parts have been lost or worn down. Failure to do so may result in partial or complete loss of warranty, as it will no longer be weatherproof.
   • Rubber seals: The watertight seal on the USB port and the SD card slot of the Active 10 should always remain properly intact to prevent water leaking into the unit. If either of these seals is lost or damaged, you will need to send your Active 10 back to Satmap for repair.
   • Joystick: If your joystick is worn down or ripped, this can cause water to leak into the unit. Please send your Active 10 back to Satmap for repair.
3.00 Battery Power
The Active 10 can be powered by a Lithium Polymer rechargeable battery (section 20.03) or three AA batteries. The rechargeable battery is optimized to last longer over a wide range of temperatures/conditions and lasts significantly longer than AAs. Since AA batteries vary significantly in power and life from one type to another, we recommend using Lithium Energizers which are the most powerful on the market. It is not advisable to use cheap batteries in the unit as they will have a short life.

There are 3 ways to conserve power:

1. Select a ‘Screen Turn Off’ option
Settings > Power Control > Automatic Screen Turn Off > Select ‘Off after 3 minutes’

2. Change the Power Saving Mode so the GPS MAP screen updates every 4 seconds instead of every second.
Settings > Advanced Power Control > Power Saving Mode > Advanced
Note: The Trail Up facility is disabled when in Advanced Powersaving Mode.

3. Decrease the Backlight setting
Settings > Backlight (adjust slider accordingly)

4. Use Hibernate Mode to set an ultra low power state and rapid satellite acquisition.
Settings > Advanced Power Control > Hibernate Timeout
Note: Trip log data is not stored in this mode.

3.01 Switching On and Off
When first installed, the software allows users to select the operating language. Whatever language is selected, the unit is then set for the appropriate GPS position: i.e. selecting English sets up the GPS default to Great Britain.

After switching on the unit, the GPS STATUS screen (section 6.07) will load up. The bars at the bottom of the screen indicate how many satellites are in range of the Active 10.

When the bars turn from yellow to orange this shows that the unit has locked to that specific satellite. In general, the unit needs a minimum of four satellites to get a lock. Outdoors, the unit should get a lock within three minutes. If it takes much longer, please contact Satmap. Hibernate mode allows rapid satellite lock as the unit remembers the satellites’ position.

To switch the unit off, press the On/Off button and a Power Off? screen is displayed in order to prevent accidental switch-off; select Yes. Your data will be saved before power off. If no selection is made after 10 seconds the unit will revert to the previous screen.

3.02 Keyboard Lock
The Power Off? screen has a padlock (Keypad Lock) icon by the On/Off button. Press the On/Off button to lock the keypad. A padlock icon is displayed by the battery indicator.

To unlock the keypad press any button and the Unlock screen will be displayed. Select Yes to unlock the keypad. If no selection is made after 3 seconds the unit will revert to the previous screen.
3.03 Overview

3.03 Map Card Insertion
The map card door is hinged at the bottom and opens from the top downwards. When inserting the card please ensure that the label is facing you with the arrow pointing inwards.
You can make an SD card write-protected by moving the switch on the side of the card down (saves from accidental deletion of files).

3.04 Base Mapping
The Active 10 is supplied with a world base map at 1:5 million up to 1:200 million (and in addition for UK customers, a 1:1 million scale UK road map). Once a map card has been inserted, you can zoom through the base mapping to see more detail. If you have a toggleable map, you can switch between different map layers at a particular point on the same zoom level, e.g. you can flip between the two scales (1:50k and 1:25k) and the base map.

3.05 Battery Indicator & Stop/Record Icon
The battery indicator is solid for new or fully charged batteries. As the charge decreases it is broken into four bars which then reduce. When a single bar remains, it is coded red. After some further time (depending on the power source and activity), an on-screen warning alerts that the unit will power off in 30 seconds and a countdown is shown.

If you are using the rechargeable LiPol battery (section 20.03), the battery indicator shows a lightning flash whilst charging. You will need to disconnect the unit from the power supply to check if the battery indicator is fully charged, i.e. solid.

Next to the battery indicator is the Stop/Record icon, indicating that data logging is either paused or recording. This can be accessed on the TRIP LOG screen (section 6.03). When the unit has a lock, the record icon has a solid green arrowhead. The record icon is shown as ‘empty’ when there is no lock. A red pause symbol indicates data logging is paused.

3.06 ‘PLANNING’ Mode
Moving the joystick changes the screen from the GPS MAP screen to the PLANNING screen (section 6.00). The blue circle (location icon) will move away from the middle of the screen as you control the joystick to move the map. A visual cue that you are in planning mode is the orange locator circle which has longer crosshairs. In PLANNING mode you can plan routes via the Routes Menu, study the map using the joystick to pan across the map, and set a GoTo point/Marker/POI.

3.07 SatSYNC
(Refer to SatSYNC 1.5 User Guide)
SatSYNC is a free software available for download from satmap.com. It allows you to connect your Active 10 to a computer via a standard USB connection. With this software you can upload/download routes, Objects of Interest, and geotag photos. These files can then be shared via e-mail or forums (e.g. Satmap Route Share Network) or viewed on a computer-based mapping system (e.g. Satmap Online Route Planner and Google Earth), compatible with a number of supported formats. The Satmap Online Route Planner allows the download of pre-planned routes, the upload of routes for editing, and the printing of a paper version of the route to take as back-up when outdoors.

To view your trail recorded by the Active 10 on a computer:
1. You will need to Export your converted track. Once you have finished your walk, Stop the Trip Log.
2. On the TRIP LOG screen press Menu > Convert Trail to Track
3. Connect the Active 10 to a computer via a USB and open SatSYNC.
4. Select the converted track (.map file, e.g. 2010-06-24_1502 167km.map) and press Export to copy to your desktop as a .gpx or .kmz file.
5. Import the file to your computer mapping system (e.g. Online Route Planner and Google Earth).
4.00 Six Primary Screens

(START MAP/PLANNING → MAIN MENU → COMPASS → TRIP LOG → GPS STATUS)

Use the lower right button (Primary Screens  ) to scroll through the primary screens which give you access to the main GPS features. You can also move the joystick left/right to scroll through these options.

**GPS MAP**
Your position on the map

**MAIN MENU**
Access to main functions

**COMPASS**
Built-in electronic compass with direction indicator

**TRIP LOG**
Data and trail logging

**GPS STATUS**
Satellite acquisition screen

**PLANNING**
Pan and zoom across the map. (Nudge the joystick on the GPS MAP screen to get to PLANNING mode).
5.00 Primary Screens: GPS MAP Screen

5.00 GPS MAP Screen
For best results in achieving a satellite lock:
• The Active 10 should be pointed at clear sky. The unit can also acquire a lock through glass, i.e. windows/car windshield.
• Remove the map card for a faster lock.
• Set the screen to GPS STATUS (section 6.07) using the Primary Screens button.

Center press the joystick to access POSITION INFO (section 10.00). If there is an Object Of Interest (OOI) or a route in your current location, you will have to select ‘POSITION INFO’ from the ‘Choose Information Type’ (section 11.00) window that appears.

Buttons:
Toggle maps
(Icon is three layers of stacked mapping)
Toggle between maps at the same zoom level (section 5.01)

Data boxes
Toggle between none, 2 or 4 data boxes on-screen (sections 7.04 – 7.08)

North Up/Trail Up
Map display cycles through North Up, Trail Up (Center), and Trail Up (Low) (section 5.02)

Zoom In/Out
Map scale is continuously displayed during zooming

Primary Screens
Scroll through primary screens (section 4.00)

Note: Moving the joystick in the GPS MAP screen will take you into PLANNING mode. To avoid this, lock your keypad (section 3.02).

A successful satellite lock (a ‘fix’) is indicated at the top left of the screen by the red cross changing to a green signal icon. The number of green crescents denotes the signal strength. A weak lock is indicated by a single crescent plus a ‘2D’ caption.

The unit is EGNOS/WAAS enabled. This means users in Europe and North America are able to benefit from ‘differential’ GPS when one of the EGNOS/WAAS satellites is in view (section 24.00). When this service is available, the green signal crescents turn blue and accuracy is enhanced.

Your position is shown as a blue dot in the center of the screen. Once moving, a pointer appears on the blue circle, indicating the current direction of travel. As you move, a snail trail of red dots is laid down, indicating the path you have taken, as long as you have started the trip log (section 6.03). To change the red dot size, see section 10.00.

The Active 10 logs your position once every second. The rate at which red dots are displayed depends on the map scale and the speed of travel. Dots are laid down so an appropriate distance is rendered between them to create a clear track. A power saving option (in Advanced Power Control, section 7.02), allows screen data to be set to update once every 4 seconds.
5.01 GPS Map Screen: Toggleable Maps

5.01 Toggleable Maps

Map toggling is a feature available on software version 1.4 and later (free download from satmap.com). Toggle-enabled map cards allow you to switch between different map layers at a particular point on the same zoom level. For example, you can flip between the two scales (1:50k and 1:25k) and the base map. It is also possible to toggle between different map types and map providers.

If a toggle-enabled map card is loaded, a mini toggle symbol (shown on screen) appears next to the Stop/Record icon on the GPS screen in the status bar, indicating the map inserted can be toggled. This enables the toggle maps button on the left.

Note: Not all maps are toggleable. Look for the toggle icon or logo on all of our toggle-enabled products. The toggle function can also be added to existing map cards (see satmap.com for further details on this service).

Getting Started:

- Insert your SD card. This will load your Map Packs screen.
- Use the joystick to flip between maps, and select View Map to access the desired GPS MAP screen.
- To access the Map Packs screen at any point, center press the joystick and select Map Packs using the lower left-hand side button.

Toggle between maps by pressing the upper left-hand side button (Toggle maps) and switch seamlessly between different maps without having to zoom in or out.

Toggle maps button appears bold when suitable map card is loaded and map areas and zoom levels overlap.

Toggle maps button appears gray when toggle function is not available.
5.02 GPS Map Screen: Map Orientation

5.02 Map orientation There are 3 map orientation options for enhanced visibility: North Up / Trail Up (Center) / Trail Up (Low)

- **North Up** is currently on the screen. Trail Up can be selected by pressing the Trail Up icon (front left button).

  The blue location icon is shown in the center of the screen with North facing up on the map. Use this mode to conserve battery power.

  From the PLANNING screen if you wish to switch the map to North Up, return to the GPS Map screen and press the North Up/Trail Up button.

- **Trail Up (Center)** is currently on the screen.

  Trail Up (Low) can be selected by pressing the Trail Up icon (front left button).

  The blue location icon is shown in the center of the screen. The map orientates to match the direction of travel (similar to turning a paper map to find your bearings).

  If you switch to PLANNING mode, the map will stay in Trail Up mode.

  Note: Trail Up is not available in advanced power saving mode. (The screen refreshes more frequently in Trail Up, drawing more power).

- **Trail Up (Low)** is currently on the screen.

  North Up can be selected by pressing the North Up icon (front left button).

  The map orientates to match the direction of travel. However the blue location icon is positioned low on the screen so you can see more mapping ahead of you. Useful for when you are traveling at higher speeds, such as on a bike.

  Note: The 4 data box option is not available in the Trail Up (Low) mode as it would obscure the locator circle.
### 5.03 Map Packs Screen

(GPS MAP → POSITION INFO via center press → Map Packs)

(Available once a map card is inserted).

**Alternative access:**

(PLANNING → POSITION INFO via center press → Map Packs)

A map card may be inserted or removed at any time. When a map card is inserted, the unit beeps, and an on-screen message shows, 'SD Card Inserted'. After a short time, (depending on the size of the map), the **Map Packs** screen appears (map title screen). After about five seconds the screen will revert to the previous screen.

If you have consolidated more than one map on a card (map consolidation service offered by Satmap), you can access the different maps by moving the joystick left/right on the **Map Packs** screen.

**Buttons:**

- **Back**
  Return to **POSITION INFO** *(section 10.00)*

- **View Map**
  Go to **PLANNING** screen *(section 6.00)*

**Note:** The screen shows a default location for the loaded map.
6.00 Primary Screens: PLANNING Screen

6.00 PLANNING Screen
(GPS MAP → PLANNING)

The PLANNING screen is accessed from the GPS MAP screen by moving the joystick away from your current location (blue location icon).

The PLANNING screen displays a planning icon (orange circle with a small black cross) as soon as you move the joystick away from your current location. Instead of a blue dot, a small black cross is shown in the center. From the edges of the orange planning icon radiate crosshairs as an additional visual cue that you are in PLANNING mode rather than GPS MAP mode. The orange planning icon stays in place as you use the joystick to move the map.

The POSITION INFO screen (section 10.00) may be accessed from the PLANNING screen by center pressing the joystick.

When a map is loaded, the PLANNING screen shows a central default location for that particular map.

There is a data box overlay which shows;

- Grid reference – format options are given in GPS Settings (section 7.09 Position Display Format option).
- Altitude for this location – elevation above sea level, obtained from base maps (UK) or from map cards (non-UK).
- Distance from your last known location, i.e. where you last acquired a GPS lock. This is useful as a ‘rangefinder’.
- Bearing from your last known location – format options given in Compass Settings, (section 7.12 Compass Display).

Note: This data overlay is not configurable by the user, unlike the 2-Data Box and 4-Data Box layouts available on the GPS MAP screen (section 5.00).

When the crosshairs are moved over an OOI or a route, an OOI/route indicator icon appears at the bottom of the screen. Center pressing the joystick brings up further information via the ‘Choose Information Type’ window (section 11.00).

Buttons:

Toggle Maps
Toggle between maps at the same zoom level (section 5.01)

ROUTES MENU
Go to ROUTES MENU (section 8.00)

GPS Map
Go to GPS MAP (section 5.00)

Zoom
Zoom in/out

Primary Screens
Go to MAIN MENU (section 6.01) and scroll through primary screens (section 4.00)
6.01 Primary Screens: MAIN MENU & COMPASS Screens

6.01 MAIN MENU Screen
(GPS MAP → MAIN MENU)

The MAIN MENU screen gives access to some of the Active 10’s main functions.

The upper half of the MAIN MENU screen shows the title of the Active Map, i.e. the loaded map card. The lower half of the MAIN MENU screen shows the name of the Active Route (section 8.00a).

Buttons:
- OOI Menu
  Go to OOI Menu (section 12.00)
- GoTo and Marker
  Set GoTo point/Marker either by coordinates (or postcode: GB only) (sections 19.00)
- GPS Map
  Return to GPS MAP (section 5.00)
- ROUTES MENU
  Go to ROUTES MENU (section 8.00)
- Settings
  Go to SETTINGS MENU (section 7.00)
- Primary Screens
  Go to COMPASS screen (section 6.02) and scroll through primary screens (section 4.00)

6.02 COMPASS Screen
(GPS MAP → MAIN MENU → COMPASS)

The Active 10 has an electronic compass and a GPS compass and switches between the two at a preset speed (section 7.10). Having both ensures you have the correct bearings at all times whether you are moving or stationary. It is important that the unit is held level (like a regular magnetic compass) and is calibrated correctly (section 7.13).

Buttons:
- Calibrate Compass
  Go to Calibrate Compass (section 7.13)
- GPS Map
  Return to GPS MAP
- Pointer
  Go to POINTER screen (section 6.02a)
- Primary Screens
  Go to TRIP LOG screen (section 6.03) and scroll through primary screens (section 4.00)
There are 3 types of ‘target’ to select from using the **Target type** button.

1. Nearest POI/LOI/AOI
   Only available once a POI has been entered *(section 12.00)*.

![](image1.jpg)

2. GoTo Point
   Only available once a GoTo Point has been set *(section 19.00)*. A green flag will appear at the top of the pointer image.

![](image2.jpg)

3. Next WayPoint
   Only available once a route has been activated *(section 8.00)*. A blue dot will appear at the top of the pointer image.

![](image3.jpg)

In each target type, the 2-data field overlay contains information on bearing and distance to the target.

*Note: If you have POIs/LOIs/AOIs/waypoints set to invisible, the pointer will not show their location.*
6.03 Primary Screens: TRIP LOG

6.03 TRIP LOG Screen
(GPS MAP → MAIN MENU → COMPASS → TRIP LOG)

The upper half of the TRIP LOG screen is split into 12 data fields:
- Total distance travelled (Total Dist)
- Total time (Total Time)
- Time of last reset (Trip Reset)
- Straight line distance: from start position to end position (Strt Line Dist)
- Time moving (Time Moving)
- Average moving speed (Av Moving)
- Speed now (Speed Now)
- Average speed (Av Speed)
- Maximum speed (Max Speed)
- Sunrise time (Sunrise)
- Sunset time (Sunset)
- Altitude above sea level (Elevation)

All units can be given in metric or imperial. (section 7.11).

The lower half of the TRIP LOG screen shows a graph of the elevation profile of your journey. Above the graph, a red pointer indicates the maximum height and a blue pointer indicates the minimum height. Figures for these heights are given below the graph. Also shown is the abbreviation ‘Asc:’ for ascended height.

Buttons:
Start/Stop
Press to start/stop data logging.
(Note: remember that if Stop is showing, it means Start was the button pressed previously and the GPS is logging data).

The unit’s data logging functions are intended to register a single trip. The log should be reset before starting the next trip. Using the Start/Stop button allows you to pause data logging during a journey, e.g. pausing for a lunch break.

When Stop has been pressed, the unit stops all data logging. If you switch to the GPS MAP screen and continue moving, no snail trail is left.

GPS Map
Return to GPS MAP (section 5.00)

Primary Screens
Go to GPS STATUS screen (section 6.07) and scroll through primary screens (section 4.00)

Menu
Access the following range of options:
- Reset All
- Reset All & Convert
- Reset Log (keeps the snail trail and elevation profile)
- Reset Trail (also resets elevation data)
- Reset Trail & Convert
- Convert Trail to Track (section 6.04)
- Set Trip Data (section 7.14)

There are on-screen descriptors for each option. If you would like to save your data before resetting, choose one of the ‘Convert’ options in the menu.

As the trip log data uses up memory on your unit, make sure you reset the trip log regularly to maintain optimum performance.

Note: If you transit between trips and press Start without resetting the log, the transit is shown as a straight line snail trail to your present location and will be incorporated into subsequent data logging.

Elevation data:
- Elevation data is obtained from maps or the GPS. See GPS Settings for more details (section 7.09).

Elevation data
Access Menu options
Trip Log Status: 
Trip Log Active
Trip Log Inactive

Note: Trip log data is not stored in hibernate mode.
6.04 TRIP LOG: Convert Trail to Track

6.04 Convert Trail to Track
(GPS MAP → MAIN MENU → COMPASS → TRIP LOG → Menu → Convert Trail to Track)

When a route has been completed it can be saved for reference, future use, or for swapping with others on the Route Share Network (section 21.08). Select the Convert Trail to Track option to convert the snail trail of red dots into a track.

Waypoints will automatically be added at key points on the map. As these are computer generated, the positions should be checked and where appropriate, amended to ensure they are practical from a user’s point of view. When the track has been created, this can be viewed on the unit in the Routes Menu, or can be shared using the SatSYNC program (free download from www.satmap.com).

The terms trail, route and track are used to describe different stages of a recorded route:

**Trail:** The path that has been taken, shown as a series of red dots (‘snail trail’).  
**Route:** The planned path users intend to take. It has waypoints laid down at key turning points, and can be created on the unit, or on a mapping system such as the Online Route Planner, Google Earth etc.  
**Track:** The snail trail that has been saved and converted to a track. It is called a track to differentiate it from a route. A track is a route derived from a recorded snail trial, and can still be found in the Routes Menu like a route.

Note: At the bottom of the elevation profile screen there is a list of all the trip data attached to each waypoint on the route (Figure 6.04).

6.05 Convert Trail to LOI/AOI
This feature is only available on SatSYNC. After using one of the Convert Trail to Track options, you can export the track as a .GPX or .KMZ file to your computer. This can be imported back as an LOI/AOI by selecting the appropriate import settings in SatSYNC. (Please refer to the SatSYNC 1.5 User Guide for more information).

Note: KMZ/KML files give enhanced features on Google Earth. GPX files are better for the Online Route Planner/Route Share Network.

6.06 Geotag Photos with Trip Log Data
This feature is only available on SatSYNC. Photos are labeled or ‘tagged’ indicating where they were taken. Date/time information from your camera is synchronized with the GPS local time. After recording your trip log data, it can be used to geotag your photos via SatSYNC. This adds longitude and latitude information to the photos, which can then be viewed in the correct location on Google Earth or similar applications. This allows you and other to see where the pictures were taken.

(Please refer to the SatSYNC 1.5 User Guide to find out more on how to use the geotagging application within SatSYNC to geotag your photos).
6.07 Primary Screens: GPS STATUS

6.07 GPS STATUS Screen
(GPS MAP → MAIN MENU → COMPASS → TRIP LOG → GPS STATUS)

This is the screen that is first displayed when switching on the unit (unless there is already a map card inserted in which case the unit will briefly show the Map Packs screen (section 5.03).

The elliptical diagram represents the sky above you where North is the top of the ellipse. Satellites visible to the unit are allocated numbers and also shown on the bar chart. Yellow bars indicate the unit can see a satellite. The bars change to orange when the unit has acquired a lock. There are also indications of Signal to Noise Ratio (Av SNR and Max SNR).

Before acquiring a lock, details of your last known position, with time, date, and grid reference are shown at the top of the screen. (Grid reference format options are given in GPS Settings section 7.09, ‘Position Display Format’).

Once you have a lock, your current coordinates and elevation are shown. As a guide, a minimum of four satellites are needed to acquire a lock.

To access the GPS STATUS screen from the GPS MAP screen, keep pressing the Primary Screens button (front right button) until you reach the GPS STATUS screen.

The signal indicator (either red cross or green signal icon) indicates the strength of signal received by the unit. The GPS indicator caption at the bottom of the screen either says ‘Acquiring GPS’ or gives accuracy to within a certain distance.

If the unit is receiving a poor signal e.g. under wet tree canopy, it may only be able to give two dimensional data, i.e. no elevation data. Under these circumstances the elevation caption at the top right of the screen will show ‘2D’ instead of an elevation figure. The signal received icon at the top left will also show a single green crescent plus ‘2D’.

Buttons:
GPS Map
Return to GPS MAP (section 5.00)
Primary Screens
Go to PLANNING screen (section 6.00) and scroll through primary screens (section 4.00)
At any point, should you wish to exit a settings screen, either press Map (front left button) to go to the GPS MAP screen, or press Back (front right button).

**Buttons:**
- Next
  Scroll through menu options. Alternatively use the joystick to highlight an option.

**Default**
Takes you to the Default Settings screen with the option to choose Yes or No. Pressing Yes takes you to the Default Options screen:
- Choose Clear All to reset all the user defined settings, trail and GPS data, (including OOIs and routes) to the factory set defaults. The unit will then turn itself off.
- Choose Reset Settings to reset only the settings data to the factory set defaults.
  (If you choose Yes you will not be able to go back without choosing one of these options).
  Choose No to retain all current settings and return to the SETTINGS MENU.

**Map**
Return to last map screen

**Select**
Either press Select or center press the joystick to select the highlighted option.

**Cancel**
Return to MAIN MENU

**Back**
Return to MAIN MENU
7.01 Power Control

(GPS MAP → MAIN MENU → Settings → Power Control)

**Automatic Power Saving**
- Use the joystick, moving left/right to select desired time the unit will stay powered on for.
- Press Done or center press the joystick to return to SETTINGS MENU.

*Note: Allowing the unit to power off will cause it to lose GPS lock. However, if the unit is in hibernate mode, then it will be able to acquire a lock very quickly after powering on.*

**Automatic Screen Turn Off**
This is a power saving option.
- Use the joystick, moving left/right to select desired time before the screen will turn off leaving the unit still operating.
- Press Done or center press the joystick to return to SETTINGS MENU.

GPS lock will be maintained and the unit will continue to log your position.
- To instantly re-activate the screen, press any button, except when the screen is locked. In this case, use the power button.

**Alert When Screen Off**
- Use the joystick, moving left/right to toggle between Off and Screen Alerts Every Minute.
- Press Done or center press the joystick to return to SETTINGS MENU.

With the alerts mode selected the screen will flash on at 1 minute intervals to remind you the unit is switched on—particularly useful when dark.

Pressing the Default button restores the following settings:

**Automatic Power Setting**
Off after 120 minutes

**Automatic Screen Turn Off**
Always On

**Alert When Screen Off**
Screen Alerts Every Minute

![Figure 7.01](image-url)
## 7.02 Advanced Power Control

### Power Saving Mode

To save power, select **Advanced** power saving mode and the screen will update every four seconds instead of every second.

In this mode Trail Up is disabled and the **Backlight** setting has a maximum value of 80%, but can be temporarily be set to 100% by pressing the backlight button.

- Use the joystick, moving left/right to select **Normal** or **Advanced**.
- Press **Done** or center press the joystick to return to **SETTINGS MENU**.

### Hibernate Timeout

Hibernate mode is an ultra power saving option. In this mode the unit can be switched off, and will retain satellite position data using a trickle charge. On switching the unit back on, the last screen is shown and satellite lock only takes a few seconds.

If you re-locate whilst in hibernate mode the unit will briefly show your position where you last had a lock, until the new satellite positions are acquired.

*Note: Trip log data is not stored in this mode.*

- Use the joystick, moving left/right to select from **Off** to **16 hours**.
- Press **Done** or center press the joystick to return to **SETTINGS MENU**.

Pressing **Default** restores the following:

- **Power Saving Mode**
  - Normal
- **Hibernate Timeout**
  - 8 hours

*Note: For the time that Hibernate Timeout has been set, you will be unable to switch off the unit completely until the time has passed, e.g. if Hibernate Timeout is set to 2 hours, you will be unable to switch off the unit completely for 2 hours – it will be in hibernate mode. If you wish to switch off the unit completely in that time, you will need to select **Off** under the Hibernate Timeout menu.*
7.03 Backlight

(GPS MAP → MAIN MENU → Settings → Backlight)

The Backlight setting is used to control the brightness of the GPS screen. It has significant impact on the battery life and is therefore recommended that you choose a setting which you find comfortable, not necessarily the brightest.

Filter Options:

Within the Backlight settings you will find options for filtering your screen. These include options for use at night and in strong sunlight:

• Red Filter: for night vision
  Press the Red Filter button for night use to preserve your night vision. This adds a red tint to your screen so your eyes are protected from viewing a bright screen in the dark.

To preserve night vision, use a low level setting. Below 10%, the scale goes down in steps of 2%. (Some text may become illegible using the red filter with a backlight setting below 10%).

Select Sun Filter, then Normal to return to the daylight screen.

• Sun Filter: for strong sunlight
  Press the Red Filter button to access the Sun Filter option. This gives your screen a higher contrast and increases the levels of red, green and blue, so it is easier to view your map in very bright sunlight.

Note: With the Sun Filter your screen loses some intricate map details in order to enhance the visibility of the map in sunlight.

Select Normal to return to the daylight screen.

The Red Filter, Sun Filter and Backlight level can be used in combination to suit your individual needs.

• Use the joystick, moving left/right to select the desired level.
• Press Done or center press the joystick to return to SETTINGs MENU.

Pressing the Default button restores the following setting: 90%

Note: If you are in Advanced Power Saving mode, the Backlight setting cannot go beyond 80%.
7.04 Settings: Screen Data Capture

7.04 Screen Data Capture

Screenshots may be captured as jpeg files and accessed in SatSYNC (section 3.07), listed with time/date details.

This might be useful in a variety of circumstances. For example, sending a screenshot of a particular location to another person or using a series of screenshots in conjunction with timed digital photos for use in a presentation.

Press and hold the Backlight Boost button for three seconds; a camera icon briefly replaces the icons next to the battery (i.e. Stop/Record icon, toggle icon). A beep sounds to indicate a successful screenshot capture, depending on your Beep Alert Count setting (section 7.15).

To access your screenshot:

• Connect your Active 10 to the computer via a USB cable.
• Open SatSYNC.
• Screenshots are found in the root folder of the Internal Storage or SD Card. (By default it is saved to the SD Card folder, if the SD card is in the unit and is not write-protected. Otherwise it is saved to the Internal Storage of your unit).
• Select the screenshot and press Export to download it to your computer.
7.05 Settings: 2 Data Box Layout

Data Boxes
This is a white overlay that appears in the lower half of the map screen. It allows you to show customized information (data) about your trip, environment and map objects. Available as a 2 or 4 box layout.

7.05 2 Data Box Layout
(GPS MAP → MAIN MENU → Settings → 2 Data Box Layout)

For both the Left Box and the Right Box:
• Use the joystick, moving left/right to select the desired option.
• Press Done or center press the joystick to return to SETTINGS MENU.

The data options are listed in section 7.08 and are the same for both 2 data box and 4 data box layouts.

Pressing the Default button restores the following settings:

Choose Data for Left Box
Heading

Choose Data for Right Box
Elevation

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7.06 Settings: 4 Data Box Layout

7.06 4 Data Box Layout (upper)
(GPS MAP → MAIN MENU → Settings → 4 Data Box Layout: upper)
For both the Upper Left Box and the Upper Right Box:
• Use the joystick, moving left/right to select the desired option.
• Press Done or center press the joystick to return to SETTINGS MENU.

The data options are listed in section 7.08 and are the same for both 2 data box and 4 data box layouts.
Pressing the Default button restores the following settings:
Choose Data for Upper Left
Trip Distance
Choose Data for Upper Right
Speed Now

Data boxes are shown on the GPS MAP screen. To reach the GPS MAP screen from the SETTINGS MENU, press Map (front left button).
• On the GPS MAP screen, use the lower left side button to toggle between having 2 data boxes, 4 data boxes or none.

7.07 4 Data Box Layout (lower)
(GPS MAP → MAIN MENU → Settings → 4 Data Box Layout: lower)
For both the Lower Left Box and the Lower Right Box:
• Use the joystick, moving left/right to select the desired option.
• Press Done or center press the joystick to return to SETTINGS MENU.

The data options are listed in section 7.08 and are the same for both 2 data box and 4 data box layouts.
Pressing the Default button restores the following settings:
Choose Data for Lower Left
GoTo Distance
Choose Data for Lower Right
Location
7.08 Settings: Options for 2 & 4 Data Boxes

7.08 Options for 2 & 4 Data Boxes
(GPS MAP → MAIN MENU → Settings → 2/4 Data Box Layout)

The following data options are available for each box in both the 2-box and 4-box layouts. Move the joystick left/right to select the desired option, and then press Done or center press the joystick to complete. For each data option, a summary descriptor is given on-screen.

Heading
Direction of travel, given in either Degrees (M – Magnetic North, G – Grid North, T – True North), Cardinal points (e.g. N, NNE), or mil-radians (section 24.00). See Compass Settings (section 7.12).

Location
GPS position given by either OSGB (Ordnance Survey GB); UTM; Degrees decimal; Degrees, minutes decimal; Degrees, minutes, seconds decimal; British Grid. See GPS Settings for other formats (section 7.09).

GoTo Bearing
Bearing to your “Go To” point. See POSITION INFO, section 10.00 (Set as GoTo option).

GoTo Distance
Distance to GoTo point, either imperial or metric. See Units and Set Speed (section 7.11).

GoTo ETA
Estimated Time of Arrival at GoTo point.

GoTo Time
How long to reach GoTo point.

GoTo VMG
VMG (Velocity Made Good) is the actual speed you are making toward your chosen location (POI, Next WP or GoTo point (AOI, LOI, POI, WP or any unidentified point on the map), rather than your simple forward speed.

Bearing Next WP
Bearing to the next waypoint.

Distance Next WP
Distance to the next waypoint.

ETA to Next
Estimated Time of Arrival at next waypoint.

Time Next
How long to reach next waypoint.

VMG Next
Velocity Made Good to next waypoint. See GoTo VMG summary above.

WP Name
Name of next waypoint.

Nearest POI*
Name of nearest POI/LOI/AOI.

Bearing to POI*
Bearing to nearest POI/LOI/AOI.

Nearest POI* Distance
Distance to nearest POI/LOI/AOI.

POI* ETA
Time of arrival at nearest POI/LOI/AOI.

POI* Time
Time until nearest POI/LOI/AOI.

POI* VMG
Velocity Made Good to nearest POI/LOI/AOI. See GoTo VMG summary.

Bearing to End
Bearing to the route end.

Distance to End
Distance to route end (along the route).

ETA to End
Estimated Time of Arrival at route end.

Time to End
How long to get to route end.

VMG End
Velocity Made Good to route end. See GoTo VMG summary.

Route Cross Track Error
This is the distance between the planned blue/yellow route and the snail trail. It is most relevant for aircraft (cross wind effects) and nautical applications (effects of currents).

Route Distance
Total distance of the active route.

Route Done
Percentage of route travelled so far.
7.08 Settings: Options for 2 & 4 Data Boxes

Route Name
Name of route.

Average Moving
Average moving speed.

Average Speed
Average speed overall, taking account of breaks.

Max Speed
Maximum speed.

Speed Now
Current speed.

Sunrise
Time of sunrise.

Sunset
Time of sunset.

Moon Phase
An icon is displayed along with the percentage of a full moon.

Time Moving
Time spent moving, as recorded by the Trip Log (section 6.03). This will be a cumulative total until the Trip Log is reset.

Stopped Time
Time spent not moving. See Time Moving summary above.

Trip Distance
Total trip distance. See Time Moving summary above.

Trip Time
Total trip time. See Time Moving summary above.

GPS Accuracy
Accuracy of GPS within a certain distance.

Position as Lat. Long.
Position is given in degrees latitude and longitude.

Elevation
Current height above sea level. See GPS Settings (section 7.09).

Time Now
Time of day.

Date
Date today.

Total Ascents
Cumulative total of height (altitude) gained.

Total Descents
Cumulative total of height (altitude) lost.

Max Altitude
Maximum height (altitude) attained.

Min Altitude
Minimum height (altitude) attained.

* In the data boxes, data options mentioning POIs also refer to any reference point of an LOI and AOI (usually the point at the start of the name).
7.09 Settings: GPS Settings

7.09 GPS Settings
(GPS MAP → MAIN MENU → Settings → GPS settings)

Position Display Format (ie. grid reference format)
• Use the joystick, moving left/right to select from OSGB (Ordnance Survey GB); German Grid; UTM; MGRS; GARS; CH1903/LV03 Swiss Grid; Swedish Grid RT90; French Grid Lambert 2E; French Grid Lambert93; Irish Grid ITM; Irish Grid IG; Pakistan MG; New Zealand TM; Degrees decimal; Degrees, minutes decimal; Degrees minutes, seconds decimal; British Grid.
• Press Done or center press the joystick to return to SETTINGS MENU.

OSGB grid references are given to 10 figures. If you are working to 6-figure grid references, set the last 2 digits of each number set to 0.

GPS Used as Heading at
The Active 10 has an electronic compass (good when stationary) and a GPS compass (good when in motion), and switches between the two at a preset speed. In this setting you are able to select the speed at which the GPS compass overrides the electronic compass. The GPS compass is more accurate the faster you go.
• Use the joystick, moving left/right to select from Never, then from 1 kph/0.5 mph to 16 kph/10 mph.
• Press Done or center press the joystick to return to SETTINGS MENU.

Altitude Data Source
• Use the joystick, moving left/right to toggle between Altitude from GPS and Altitude from Maps.
Pressing the Default button restores the following settings:

Position Display Format
OSGB

GPS Used as Heading at
2 kph / 1.2 mph / 1.08kn

Elevation Data
Altitude from maps/Altitude from GPS
• Elevation data is found on all map cards (except Ordnance Survey where the elevation data is taken from the base mapping of the units).
• GPS elevation data is also available and is accurate to ± 50m.
7.10 Settings: Memory Status

7.10 Memory Status
(GPS MAP → MAIN MENU → Settings → Memory Status)
This screen provides information on the memory usage and status of the different types of memory on your unit. These include:

• SD Card Information
  Shows the percentage of memory used on your SD card. Also indicates the total size and amount of free space remaining on your SD card.
• Internal Storage (Flash)
  Shows the percentage of memory used on your unit.
• Operating Memory (RAM)
  Shows the percentage of memory being used to operate the unit.

A warning icon (showing a yellow bubble with a black exclamation mark) appears on the status bar of every screen if:
• amount of memory used on the SD card is 95% or higher.
• amount of memory used on the internal storage is 95% or higher.
• amount of memory used in the operating memory is 95% or higher.
• SD card is read-only (write-protected).

In this case a message will also appear on the memory status screen below the progress bars telling you that the ‘SD Card is Read-Only’. (Make the SD Card writable by sliding the small switch on side of the card upwards. This will also remove the warning icon that appears on the screen).

A memory warning icon appears in 3 places in these cases:
• on the status bar of every screen
• next to the Settings button in the MAIN MENU
• next to the ‘Memory Status’ option in the SETTINGS MENU.

When a memory warning icon appears on the status bar of your screen you will need to go to MAIN MENU → Settings to check the warning. On pressing the Settings button, you will be immediately taken to the Memory Status screen on the SETTING screen.

(Usually by selecting the Settings button you are directed to the SETTINGS MENU where you can select an option. If you would like to access the menu from the Memory Status screen, press Back).

Move the joystick up/down, or press the Next button to select a memory option. Move the joystick left/right to opt in/out of the memory warning.

Opt in by selecting the yellow icon which keeps the warning icon message showing in the status bar.

Opt out by either fixing the problem or selecting the yellow icon with a red line through it. This removes the warning icon message.

Pressing the Default button sets the opt in option for all warnings.

To fix the memory status warning:
• Hide inactive routes (reduces RAM)
• Show inactive routes SP (reduces RAM)
• Back up and delete non-essential OOs & routes (reduces Internal Storage, SD Card space & RAM)
• Reset trip log (reduces Internal Storage & RAM)
7.11 Settings: Units and Set Speed

7.11 Units and Set Speed
(GPS MAP → MAIN MENU → Settings → Units and Set Speed)

This is where you can set your preference for units of measurement (i.e. for elevation, speeds and distances), and set your target speed.

Units
- Use the joystick, moving left/right to switch between Miles and feet, Kilometers and meters, Nautical Miles and Knots.
- Press Done or center press the joystick to return to SETTINGS MENU.

Target Speed
This is the speed on which Estimated Time of Arrival (ETA) calculations are based if the average moving speed in the trip log (Av. Moving) is zero, i.e. you are stationary. Once you are moving, your ETA is taken from your average moving speed if you have a lock or recently had a lock.
- Use the joystick, moving left/right to select the Target Speed from 1 kph (0.6 mph) to 100 kph (62.5 mph).
- Press Done or center press the joystick to return to SETTINGS MENU.

Pressing the Default button restores the following settings:

Units
Kilometers and meters

Target Speed
10 kph (6.2 mph / 5.4 kn)
7.12 Settings: Compass Settings

7.12 Compass Settings
(GPS MAP → MAIN MENU → Settings → Compass Settings)

This controls the data boxes that appear on the COMPASS screen and POINTER screen, and how the bearing options are displayed in the data box on the GPS MAP screen.

There are three norths commonly used in Great Britain:

- **Grid North**: the direction of a grid line which is parallel to the central meridian on the National Grid.
- **True North**: the direction of a meridian of longitude which converges on the North Pole.
- **Magnetic North**: the direction indicated by a magnetic compass. Magnetic North moves slowly with a variable rate and currently is West of Grid North in Great Britain.

**Compass Display**

- Use the joystick, moving left/right to select from Degrees, Cardinal points (e.g. N, NNE), or mil-radians (*section 24.00*).
- Press Done or center press the joystick to return to SETTINGS MENU.

**Grid Magnetic Angle**

- Use the joystick, moving left/right to switch between Manual and Automatic.
- Press Done to select Automatic.

If you want to set your Grid Magnetic Angle manually, select Manual and then press Set. This will take you onto a new SETTING screen on which the Grid Magnetic Angle (*section 24.00*) may be adjusted by moving the joystick up/down.

Pressing the Default button restores the following setting:

**Grid Magnetic Angle Value**

W 03

- Press Done or center press the joystick to return to Compass Settings screen. Press Done again to return to SETTINGS MENU.

**Bearing Display**

- Use the joystick, moving left/right to switch between Show Grid Bearings and Show Magnetic Bearings.
- Press Done or center press the joystick to return to SETTINGS MENU.

Pressing the Default button restores the following settings:

**Compass Display**

Degrees

**Grid Magnetic Angle**

Manual

**Bearing Display**

Show Grid Bearings
7.13 Settings: Calibrate Compass

7.13 Calibrate Compass
(GPS MAP → MAIN MENU → Settings → Calibrate Compass)

Ideally you should calibrate your compass before every trip to get the most accurate bearings.

When the ‘Calibration Required’ prompt is displayed at the bottom of the COMPASS screen, go to the Settings menu and select Calibrate Compass. Follow the on-screen instructions. Press Cancel to return to the SETTINGS MENU.

Note: This screen may also be accessed from the COMPASS screen (section 6.02).

1) Hold GPS level
2) Press Start
3) Turn device around in TWO full circles (720 degrees)
4) Press Stop when completed turning or Cancel to quit.

An on-screen message ‘Keep turning’ is replaced with ‘Completed. Press Stop’.

Note: When in motion it is better to use the GPS compass over the electronic compass. The GPS compass requires forward motion to provide a heading; it will not work when static. See GPS Settings (section 7.09) to control when the GPS compass overrides the electronic compass at a preset speed: ‘GPS Used as Heading at’.

Calibrating on a bike

The electronic compass is affected when brought into proximity with metal objects. This means that once the GPS unit has been mounted onto the handlebars of a bike, it should be re-calibrated.

To do this follow the instructions exactly as you would if the unit were in your hands. When asked to turn the compass in two full circles (720°), you should pick up the bike with the unit and rotate it as indicated.

When subsequently removed and used for walking, a further recalibration is required.

It should also be re-calibrated when a different battery type is inserted, due to the varying metal content from one battery type to the next.
7.14 Settings: Set Trip Data

7.14 Set Trip Data
(GPS MAP → MAIN MENU → Settings → Set Trip Data)

This is where you can control how inactive routes are displayed, as well as the deletion/preservation of trail and trip log data when a new route is activated.

Showing Inactive Routes
• Use the joystick, moving left/right to toggle between;
  
  **Show Inactive Routes**: Inactive routes are shown on maps.
  
  **Hide Inactive Routes**: Inactive routes are hidden on maps.
  
  **Show Inactive Routes SP**: The start point (SP) of each inactive route is shown on the maps. (A gray marker with a black triangle appears at the start point).
  
  • Press **Done** or center press the joystick to return to SETTINGS MENU.

Note: Showing inactive routes uses a lot of operating memory on the unit, so it is important to keep this selection to a minimum, as it will slow down your unit. Showing too many inactive routes could also 'freeze' your unit. Only show a few short inactive routes, or to reduce RAM consumption, choose the **Show Inactive Routes SP** option.

Auto Clear Trail Data
• Use the joystick, moving left/right to toggle between;
  
  **On**: Trail data is cleared when a new route is selected.
  
  **Off**: Trail data is not cleared on new route selection.
  
  • Press **Done** or center press the joystick to return to SETTINGS MENU.

Auto Reset Log
• Use the joystick, moving left/right to toggle between;
  
  **Keep Log on New Route**: Log will not be cleared when starting a new route.
  
  **Clear Log on New Route**: Log will be cleared on starting a new route.
  
  • Press **Done** or center press the joystick to return to SETTINGS MENU

Pressing the **Default** button restores the following settings:

**Showing Inactive Routes**
Show Inactive Routes SP

**Auto Clear Trail Data**
Off

**Auto Reset Log**
Keep Log on New Route
7.15 Settings: Volume & Button Controls

7.15 Volume Control
(GPS MAP → MAIN MENU → Settings → Volume Control)

Audio Playback Volume
This is intended for volume control when using the audio jack.

Beep Alert Count
The unit will beep when it encounters WayPoints, Points Of Interest, GoTo Points or Routes. It will also beep when a map card is inserted or a screenshot is captured. You are able to customize how many beeps sound in these instances:
- Use the joystick to select the number of beeps, ranging from 1 to 10, or mute.
- Press Done or center press the joystick to return to SETTINGS MENU.

Pressing the Default button restores the following settings:
Audio Playback Volume: 70%
Beep Alert Count: Three Beeps

Note: You cannot control the volume of the beeps.

7.16 Button Control
(GPS MAP → MAIN MENU → Settings → Button Control)

The 4 side-press or 2 front-press buttons on the unit enable one-handed operation and are multifunctional, with variable keys depending on the screen displayed. You are able to customize the operating of your unit and tailor it to fit your needs, i.e. how many clicks you want the buttons to operate with, and whether you are right/left handed.

Key Click Sound
This function only operates in conjunction with headphones.

Hidden Map Buttons
This function applies to the GPS MAP or PLANNING screens.
- Use the joystick to toggle between:
  - Two Click operation: click to reveal button function then click again for action.
  - One Click operation: one click activates button instantly.
- Press Done to return to SETTINGS MENU.

Note: The 'Two Click' operation is particularly useful for beginners, as they will be able to see the gray icon that appears on the screen before the button takes the intended action.

Button Handling
- Use the joystick, moving left/right to toggle between Right Handed and Left Handed operation.
- Press Done or center press the joystick to return to SETTINGS MENU.

Pressing the Default button restores the following settings:
Key Click Sound: Off
Hidden Map Buttons: One Click
Button Handling: Right Handed
7.17 Screen Data Options

This controls the automatic display of the POI details screen (section 9.05a) and the display of POI names, waypoint names, and route names (i.e. 'titles') on maps.

Pressing the Default button restores the following settings:

**Auto Show POI Information**: Off

**Show Titles on Maps**: On

**Auto Show POI Information**
- Use the joystick, moving left/right to switch between;
  - **On**: POI overlay data is automatically shown when nearby.
  - **Off**: POI overlay data is not automatically shown.
- Press Done or center press the joystick to return to SETTINGS MENU.

**Show Titles on Maps**
These are the names of POIs, waypoints and routes, and appear as white text within a black rectangle.
- Use the joystick, moving left/right to switch between;
  - **On**: POIs, waypoints and route names shown on maps.
  - **Off**: Names not shown on maps.
- Press Done or center press the joystick to return to SETTINGS MENU.

7.18 Time Offset

This function allows you to vary the time setting in relation to GMT (e.g. for British Summer Time add one hour).

- Use the joystick, moving left/right to select the time offset.
- Press Done or center press the joystick to return to SETTINGS MENU.

GPS/UTC time (appears in the on-screen descriptor) is the same as Greenwich Mean Time, GMT. An explanation of UTC is given in section 24.00.
7.19 Settings: Languages & About

7.19 Languages
(GPS MAP → MAIN MENU → Settings → Languages)

Languages
Select your preferred language:

• Use the joystick, moving left/right to select the operating language from English to English (US), Nederlands (Dutch), Norsk (Norwegian), Svenska (Swedish), Français (French), Deutsch (German), Italiano (Italian), Español (Spanish), Català (Catalan).

• Press Done or center press the joystick to return to SETTINGS MENU.

7.20 About
(GPS MAP → MAIN MENU → Settings → About)

This screen gives details of the software version installed on your unit and Satmap contact details.

Press Done to return to the SETTINGS MENU.

Note: If your unit has platform 21 or higher, it includes hibernate mode, plus the ability to manipulate folders using SatSYNC. To find out how to get a platform upgrade, please visit our website for more information.
8.00 MAIN MENU: ROUTES MENU

8.00 ROUTES MENU Screen
(GPS MAP → MAIN MENU → ROUTES MENU)

Alternative access:
GPS MAP → PLANNING → ROUTES MENU via lower left button

The ROUTES MENU contains the listing of routes, stored in a series of folders.

By default, the first route created is entitled ‘My Route 1’. The routes following are titled in numerical order, i.e. ‘My Route 2’, (unless you have imported a prenamed route to your unit from an external mapping system). You can rename the title of your route via the Edit button (section 8.02).

When a trail is converted to a track it is also saved in the ROUTES MENU and is allocated a default title including the year, month, day, time and distance (e.g. 2010-08-14_16:35 15.6km). A track is a route derived from a trail that has already been made.

Buttons:

Edit
Go to ROUTE EDIT screen (section 8.02)

View
Go to ROUTE MAP screen (section 8.03)

Map
Return to GPS MAP screen

Up folder / Select / Activate / No route active
Move up to a higher level folder, or when a route is highlighted, toggle between activating it and selecting no route active.

Create New Route
Go to CREATE ROUTE (section 8.01)

Back
Return to MAIN MENU (section 6.01)

Accelerated scrolling: If you have several routes in one folder you are able to scroll quickly by holding the joystick up/down. Keep the joystick pressed up/down until you reach the file you are looking for.
8.00 MAIN MENU: ROUTES MENU

8.00a Active and Inactive Routes

There are three ways to 'activate' a route:

• Highlight the route in the ROUTES MENU and press Activate. An active route is indicated by a tick next to the route name. To deactivate, highlight the ticked route name and press No route active.

• Alternatively you can go to the ROUTES MENU, press View and then Start, which activates the route automatically.

• If you can see the route on the GPS MAP or PLANNING screen, center press the joystick anywhere on the route. This will bring up the Choose Information Type window (section 11.00). Select the route, and then move the joystick left/right to highlight the green tick.

An activate route has relevant data choices available for display on the GPS MAP screen in either 2 or 4 data box overlays (sections 7.04 – 7.08). Refer to MAIN MENU → Settings → Set Trip Data to control whether changing an activated route during a trip will reset the log data.

When active, the route is shown as a yellow or blue highlighted line with red arrowheads indicating the direction of travel. Inactive routes are shown as gray highlighted lines when displayed.

Inactive routes may be hidden or have just their start points displayed (section 7.14). Note: Showing your inactive routes will take up operating memory.

8.00b Following a Route

A route is made up of individual waypoints, shown as small green circles which turn blue as you approach the next waypoint. The route color can be either blue or yellow, with varying transparency, depending on the active route color chosen (section 8.02f). The default route color is blue.

To follow a route, you need to first 'activate' it (section 8.00a).

As you begin to follow the yellow/blue route, the next waypoint along turns blue. The current leg between waypoints is shown to have blue edging and blue arrowheads. As you approach this point, the waypoint name is displayed (section 8.02e) and the unit will beep. As you pass this waypoint it will turn from blue to green, and the next waypoint marker will turn blue, and so on.
8.01 ROUTES MENU: Create New Route

8.01 Create New Route
(GPS MAP → MAIN MENU → ROUTES MENU → Create New Route)

From the MAIN MENU, select the Routes Menu and press Create New Route. This takes you to the CREATE ROUTE screen where you will be able to plot routes by laying down a series of waypoints. Zoom in for greater accuracy in placing waypoints.

Alternative ways to create a route:
GPS MAP → POSITION INFO via center press → Create New Route
or
GPS MAP → PLANNING → ROUTES MENU via lower left button → Create New Route

Buttons:
Add Waypoint*
Press the button or center press the joystick
Remove Waypoint
Press the button or center press the joystick

ROUTES MENU Return to ROUTES MENU (section 8.00)
Zoom
Zoom in and out
Done
Press when route is finished, unless you have 'closed' the route.

If there is an SD card in the unit and it is not write-protected, by default the route will go into the SD Card folder. If there is no SD card in the unit, by default the route will go into the Internal Storage folder.

You can create route folders using SatSYNC (section 8.04). To create a new route in an existing folder, you will need to select the folder in the Routes Menu and press Create New Route from there.

Note: Folders are only visible if they contain a minimum of one route or OOI.

* The Add Waypoint button has 3 functions:
1. To add a waypoint.
2. To click on an existing waypoint and drag it to another location.
3. To close the route (i.e. connect the last waypoint to the start point) if the last waypoint is very close to the start waypoint.

The center cross turns green inside the orange location icon when you are on the CREATE ROUTE screen to indicate you are ready to add waypoints. Place waypoints wherever your planned route changes direction. Waypoints are shown as green dots. As waypoints are laid down, a yellow/blue highlighted route is created. To remove waypoints, position the green cross over a waypoint and press the Remove Waypoint button.

The start point of a route has an icon with a forward arrowhead in a yellow bubble. The end of a route has an icon with a chequered flag in a yellow bubble.

Press Done or press the lower left button to return to the ROUTES MENU.

To view the route, highlight it and press View; a route map plus route length is shown (section 8.03).
8.02 ROUTES MENU: ROUTE EDIT

8.02 ROUTE EDIT Screen
(GPS MAP → MAIN MENU → ROUTES MENU → (folder/route) → Edit)

Alternative access:
(GPS MAP/PLANNING → click on route → Choose Information Type → select route via center press → ROUTE MAP → Edit)

To access the ROUTE EDIT screen, highlight the route to be edited in the ROUTES MENU (section 8.00), and press Edit.
In selecting either Edit Title or Edit Comments you will bring up an on-screen keypad (section 9.00). When using the keypad for labeling, either press Select or center press the joystick to select entries. Use the Shift button for upper case letters, the More button offers more characters.

Buttons:
Next
Press Next or use joystick to scroll down options

Map
Return to last map screen

Edit
Either press Edit button or center press joystick to access alpha-numeric keypad for labeling.

Note: This button changes depending on the option selected. Other options include Copy, Move, Delete, Reverse.

Back
Return to ROUTES MENU (section 8.00)

When the title and any comments have been entered (sections 8.02a & 8.02b), the ROUTE MAP screen (section 8.03) will be annotated with the new title and comments. (To get to the ROUTE MAP screen, select View on the ROUTES MENU screen).

The menu options on the ROUTE EDIT screen are as follows;
• Edit Title
• Edit Comments
• Reverse Route
• Edit Route Map
• Edit Waypoints
• Edit Active Route Color
• Delete Route
• Copy
• Move Route to/from SD Card*
• Copy Route to/from SD Card*

*The last two options on the list become available only when a mapcard has been inserted and is not write-protected.
8.02a ROUTES MENU: ROUTE EDIT

8.02a Edit Title
(GPS MAP → MAIN MENU → ROUTES MENU → (folder/route) → Edit → Edit Title)
When a route is created it is called 'My Route 1' by default (or similar, depending on the number of existing routes). To rename it, use Edit Title.

Highlight Edit Title, then either press the Edit button or center press the joystick to access the keypad (section 9.00).

8.02b Edit Comments
(GPS MAP → MAIN MENU → ROUTES MENU → (folder/route) → Edit → Edit Comments)
Highlight Edit Comments, then either press the Edit button or center press the joystick to access the keypad.

Operate the keypad to input comments describing the route (section 9.00) and press Done when finished. The screen will return to the ROUTE EDIT screen.

8.02c Reverse Route
(GPS MAP → MAIN MENU → ROUTES MENU → (folder/route) → Edit → Reverse Route)
Press Reverse to reverse the route. Press again to go back to the original direction of travel. There is an on-screen statement which says either Currently Forward or Currently Reverse.

Alternative ways to reverse the route are via the ROUTE PLAN screen (section 8.03a) or the ROUTE CARD screen (section 8.03b).
8.02d ROUTES MENU: ROUTE EDIT

8.02d Edit Route Map
(GPS MAP → MAIN MENU → ROUTES MENU → (folder/route) → Edit → Edit Route Map)

Highlight Edit Route Map, then press Edit to access EDIT ROUTE screen. Using the joystick, move the location icon to the edit point on the route. Either press the Add Waypoint button (section 8.01) or center press the joystick to add a waypoint with a green-headed ‘pin’. Drag the new waypoint to the desired location.

Either press Done or center press the joystick to fix the new waypoint. Move the location icon away from the route. Press Done to return to ROUTE EDIT screen.

8.02e Edit Waypoints
(GPS MAP → MAIN MENU → ROUTES MENU → (folder/route) → Edit → Edit Waypoints)

Highlight Edit Waypoints, press Edit to access the WAYPOINTS screen. A list is shown, SP is for start point, WP is for waypoint. Highlight the waypoint to be edited and either press Edit or center press the joystick to access the EDIT WAYPOINT screen. Here you have the option to edit individual waypoints:

- Edit Name
- Edit Comments
- Edit Location by Grid
- Edit Location by Map
- Delete

Edit Name
Highlight Edit Name and press Edit or center press the joystick to access the keypad and rename the waypoint (section 9.00).

Edit Comments
Highlight Edit Comments and press Edit or center press the joystick to access the keypad and add a description to the waypoint (section 9.00). This will show up next to the waypoint name in the WAYPOINTS menu.

Edit Location by Grid
Highlight Edit Location by Grid and press Edit or center press the joystick to edit the waypoint by changing the grid reference values. This will take you to the SETTING screen where you can use the joystick to move left/right to toggle between boxes. Move the joystick up/down to change the box entries. Pressing Next will move between rows (except with OSGB). Select Done when complete to go back to the EDIT WAYPOINT menu.

Edit Location by Map
Highlight Edit Location by Map and press Edit or center press the joystick to edit the waypoint on the map. Click the waypoint to set a green-headed ‘pin’ and drag it to a new location. Press Done or center press the joystick to confirm the placement.

Delete
Highlight Delete and press Delete or center press the joystick to instantly delete the waypoint. Press Back to go back to the ROUTE EDIT menu.
8.02g ROUTES MENU: ROUTE EDIT

8.02f Edit Active Route Color
(GPS MAP → MAIN MENU → ROUTES
MENU → (folder/route) → Edit → Edit Active
Route Color)

Highlight Edit Active Route Color, press
Edit or center press the joystick to access
the ROUTE MAP screen. Here you will be
able to customize the color of your route.
You are able to choose from 6 options that
range between the two colors blue and yellow
with varying degrees of transparency. You
can make the appropriate selection to avoid
obscuring map details.

Use the joystick to move across the colors.
Once you are happy with the selection, press
Set or Back to go back to the Route Edit
menu.

8.02g Delete Route
(GPS MAP → MAIN MENU → ROUTES
MENU → (folder/route) → Edit → Delete
Route)

Highlight Delete Route, then press Delete to
access a screen showing the option to delete
the route. When either Delete or Cancel
is selected, the screen will return to the
ROUTES MENU (section 8.00).

8.02h Copy
(GPS MAP → MAIN MENU → ROUTES
MENU → (folder/route) → Copy)

Press Copy to create a copy of the current
route which will appear in the same folder.

8.02i Move Route to SD Card
(GPS MAP → MAIN MENU → ROUTES
MENU → (folder/route) → Edit → Move Route
to SD Card)

(Only available if an SD card has been
inserted).

Highlight Move Route to SD Card and either
press Move or center press the joystick.
(Subsequently this option becomes Move
Route from SD Card). The screen will go
to the ROUTES MENU and your route will
appear in the SD Card folder. It will no longer
exist in its previous location.

8.02j Copy Route to SD Card
(GPS MAP → MAIN MENU → ROUTES
MENU → (folder/route) → Edit → Copy Route
to SD Card)

(Only available if an SD card has been
inserted).

Highlight Copy Route to SD Card and either
press Copy or center press the joystick.
(Subsequently this option becomes Copy
Route from SD Card). The screen will go to
the ROUTES MENU and you can find a copy
of the route in the SD Card folder.

Figure 8.02f
The default color for a route
is the medium blue option.
8.03 ROUTES MENU: ROUTE MAP

8.03 ROUTE MAP Screen
(GPS MAP → MAIN MENU → ROUTES MENU → (folder/route) → View)

Alternative access:
(GPS MAP/PLANNING → click on activated route → Choose Information Type → select route via center press → ROUTE MAP)

A map showing the entire planned route is shown. An appropriate scale is used to ensure the whole route can be displayed on the screen.

Note: If you see your route on a blue background, this means there is no suitable map at that scale to incorporate the entire route.

The route length is given in a window. From this screen you can either examine details of the route via the Profile button, or edit the route via the Edit button (section 8.02). You can also view the start of a route by pressing Start.

To return to the PLANNING screen, either press Back or center press the joystick.

Buttons:
Profile
Go to ROUTE PLAN screen (section 8.03a)

Start
Go to the start of the route on the PLANNING screen (section 6.00)

Note: This is useful to locate a route on your screen when it is not visible.

Edit
Go to the ROUTE EDIT screen (section 8.02)

Back
Go to PLANNING
8.03a ROUTES MENU: ROUTE PLAN

8.03a ROUTE PLAN Screen
(GPS MAP → MAIN MENU → ROUTES MENU → (folder/route) → View → Profile)
This screen shows an elevation profile of the route, together with six data fields:
- Distance
- Total Ascents
- Total Descents
- Maximum Altitude
- Minimum Altitude
- Approximate Time

The ROUTE PLAN screen is accessed from the ROUTE MAP screen by pressing the Profile button.

The vertical line can be used to access information about each waypoint by moving the joystick left/right. Pressing the joystick once left/right, moves the vertical line along each individual waypoint. Pushing and holding the joystick left/right moves the vertical line across numerous waypoints, giving you accelerated scrolling.

Accelerated scrolling: This is useful if you have a route with many waypoints and want to access information about a particular waypoint. Press and hold the joystick left/right until you reach the specific waypoint.

If you have more than 50 waypoints, then you will only be able to see the start and end points, but you will still be able to access details of each point using the vertical line.

The waypoint label on the map, its coordinates and comments appear under the elevation profile. Below a total of fifty waypoints, individual waypoints are shown along the profile as green dots. If a route is a ‘track’, i.e. a converted trail, the comment field contains date, time, speed etc. as recorded by the Active 10.

Buttons:
Card
Go to ROUTE CARD screen (section 8.03b)
Go To
Go to PLANNING screen (section 6.00), centered on the indicated waypoint
Reverse
Press to reverse the route
Back
Go to previous screen

Less than 50 waypoints

More than 50 waypoints

Figure 8.03a
8.03b ROUTES MENU: ROUTE CARD

8.03b ROUTE CARD Screen
(GPS MAP → MAIN MENU → ROUTES MENU → (folder/route) → View → Profile → Card)

The ROUTE CARD screen gives a list of 'legs' (distance and bearing between 2 waypoints). At the bottom of the screen you will see the start point and end point of the highlighted leg. Below that is the name and description of the route.

This screen is accessed from the ROUTE PLAN screen (section 8.03a).

Buttons:
Map
Go to ROUTE MAP screen (section 8.03)

Go To
Go to the start of the highlighted leg on the PLANNING screen (section 6.00)

Reverse
Reverse the sequence of waypoints

Back
Go to ROUTES MENU (section 8.00)

Accelerated scrolling: This is useful if you have a long list of 'legs' and want to access a particular one. Scroll through the list quickly by holding the joystick up/down. Keep the joystick pressed up/down until you reach the leg you are looking for.
8.04 ROUTES MENU: Routes Folders

8.04 Routes Folders
(GPS MAP → MAIN MENU → ROUTES MENU)

Routes folders or sub-folders can only be created via SatSYNC (please refer to the SatSYNC User Guide) and only appear on the unit if they contain at least one route or one OOI. These folders consist of groups of routes and help you manage your files, by organizing for example, your routes into different categories, e.g. 'geocaches', 'pubs', 'walks' etc.

If you are in a sub-folder and want to go back to another folder, you can use the Up Folder button to move up to the next folder.

Another way to access other folders is to center press the joystick on the folder name. This will reveal a Choose Folder drop-down box with options to select a specific folder. (This applies to any folder menu).
9.00 Keypad

There are several instances when the keypad is used. One example is:

**GPS MAP → MAIN MENU → OOI Menu →**

( OOI folders) → **POI 1 → Edit → Rename**

Other instances include:

- Naming an OOI
- Adding comments to an OOI
- Naming a waypoint
- Adding comments to a waypoint
- Naming a route
- Adding comments to a route

Use the joystick to navigate around the keypad (including going off the 'edge' left/right and up/down). Press **Select** or center press the joystick for character selections. Use **Shift** to access upper case and **More** for more characters. Press **Done** when finished and then **Back** to return to the **OOI Folders**.

**Buttons:**

- **Delete**
  - Delete characters in the display
- **Shift**
  - Access upper case letters
- **Cancel**
  - Option depends on the context
- **More**
  - Access more characters
- **Select**
  - Character selection
- **Done**
  - Option depends on the context
10.00 POSITION INFO

10.00 POSITION INFO Screen
(GPS MAP → POSITION INFO via center press)

Alternative access:
(PLANNING → POSITION INFO via center press)

If accessed from GPS MAP, the upper left button is Create New Route (section 8.01).
If accessed from PLANNING, the upper left button is Set Marker/Clear Marker.

This screen gives location co-ordinates by grid reference, as well as latitude/longitude information. Options are given to set a marker, view map packs, set a GoTo point, add a POI and adjust the size of snail trail dots.

Set Marker (accessed via the PLANNING screen) marks the position with a red flag. As you move the map using the joystick, a red line is drawn from the marker to the point selected. The overlay shows the grid reference and altitude of the point selected, plus the distance and bearing to the point. To clear the marker, center press the joystick and select Clear Marker.

Set GoTo marks the position with a green flag denoting a GoTo point. A yellow or blue route to the GoTo point is shown plotted from your location. Setting a new GoTo point will deactivate an active route or GoTo point. To clear the GoTo point, center press the joystick and select Clear GoTo. (Also see section 19.00).

Note: You cannot edit the color or transparency of a GoTo line — it automatically takes on the color of the last color applied to a route.

The Turn Trail On/Small/Off button allows you to vary the size of snail trail dots.

Buttons:
Set Marker/Clear Marker (from PLANNING)
Create New Route (from GPS MAP)
Function varies depending on whether the screen was accessed from GPS MAP or PLANNING.

Map Packs
Go to Map Packs screen (section 5.03)

Map
Return to last map screen

Set GoTo
Sets the location of the orange locator circle as a GoTo point from your current location as a straight line.

Add POI
Lay down a Point Of Interest, POI (section 14.01 – 14.04)

Turn Trail On / Small / Off
Toggle between settings:
Trail On: large red dots
Trail Small: tiny red dots
Trail Off: no tracking dots

Note: The trail option showing is not the option selected—the previous option is activated. If Turn Trail On is showing, it means the trail is off. If Turn Trail Small is showing, the trail is on with large dots. If Turn Trail Off is showing, the trail is on with small dots.
11.00 Choose Information Type

**11.00 Choose Information Type Window**

(GPS MAP → Choose Information Type via center press)

*Alternative access:*

(PLANNING → Choose Information Type via center press)

This window can be accessed via the GPS MAP or PLANNING screen, by center pressing the joystick on a route or OOI. When the locator circle is over an OOI or a route, an indicator icon is displayed at the bottom of the screen. It comprises of 3 elements:

- 'i' for information
- joystick image (in the center)
- POI icon/route symbol

To bring up the Choose Information Type window:

**On the GPS MAP screen:** your current location has to coincide with a route or OOI.

**On the PLANNING screen:** planning icon has to be placed over any point on a route or OOI.

(Otherwise, center pressing the joystick will bring up the POSITION INFO screen, section 10.00).

By center pressing the joystick on a route or OOI, the screen turns gray and an overlay shows the Choose Information Type window. To cancel the gray screen, press either of the front buttons.

Once you are in the Choose Information Type window, you will be able to:

- Make OOIs visible and invisible (move the joystick left/right to highlight relevant icon).
- Activate and deactivate routes (change time varies depending on the size of the route).
- Center press the joystick to view details of an OOI.
- Go to the ROUTE MAP screen of any route (section 8.03, shows your route on a map, with details such as trip length, and gives you access to the Profile screen).
- Access the Nearby option, which includes nearby routes and OOIs.

A route is classified as being 'nearby' if any of the three conditions are true:

- The cursor is within it's bounding area (a square or rectangle which covers ALL the points in a route).
- The centre of the bounding area is nearby as defined above for OOI reference points.
- The start point of the route is nearby as defined above for OOI reference points.

'Nearby' is defined by an OOI reference point at a radius of:

- 245m (804ft) at 1:50 000
- 122.5m (402ft) at 1:25 000
- 49m (160ft) at 1:10 000

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12.00 MAIN MENU: OOI Menu

12.00 OOI Menu
(GPS MAP → MAIN MENU → OOI Menu)

OOIs are Objects Of Interest and collectively refer to all 'points' of interest. They consist of the following 'objects':
• POIs (Points of Interest)
• AOIs (Areas of Interest)
• LOIs (Lines of Interest)
• Grids
• IOIs (Items of Interest)

OOIs can contain a description with rich text and pictures, both of which can only be added via SatSYNC 1.5 or higher. These can be retrieved from third party applications such as geocaching.com, Google Maps, Google Earth etc.

Note: OOIs created on the unit can only have a description with simple plain text. The only OOIs that will work on software versions 1.4 and lower are POIs with plain or rich text.

The OOI Menu shows options for managing and creating all OOIs:
• List All OOIs
• Visibility - All On
• Visibility - All Off
• Visibility - Default (Recommended option)
• Add POI by Map
• Add POI by Grid Ref
• Add AOI by Map
• Add LOI by Map
• Add Grid by Map
• Add IOI

Create new POIs, AOIs, LOIs, Grids and IOIs from the OOI Menu using the 'Add' options.

Users can easily hide or show all OOIs on the Internal Storage and SD card, and visibility can be set individually at folder level or globally. Icons are only available for POIs and can also be set individually or at folder level.

From the OOI Menu you are also able to access the OOI Folders where all OOIs are stored, as well as the Routes Menu for creating and managing your routes.

Buttons:
Next
Move down to next option

OOI Folders
Access all folders containing OOIs

Map
Return to GPS Map screen

Select
Press Select or center press the joystick to select an option from the menu

Routes Menu
Access the Routes Menu

Back
Go back to MAIN MENU

• List All OOIs
  Takes you to the last visited OOI Folder.

• Visibility - All On
  All OOIs will be displayed on the map, regardless of the folder and individual settings.

• Visibility - All Off
  All OOIs will not be displayed on the map, regardless of the folder and individual settings.

• Visibility - Default
  (Recommended option)
  Respects individual settings of each OOI.
  Use 'Default' visibility to allow visibility to be editable for individual OOIs.
13.00 MAIN MENU: OOI Folders

13.00 OOI Folders
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders)

All OOIs are stored in the OOI Folders. Detailed information for each OOI can be viewed by highlighting a specific OOI and selecting the Show Details button from this screen.

It is also possible to view each OOI on the map by selecting Center on Map (with exception to IOIs). Create a new POI directly from this menu by selecting the Create New POI option. This will lead you to the Add POI screen where you will be able to create and remove POIs using the ‘+’ and ‘x’ buttons (section 14.00). Once you are done, the keypad will appear for you to name the POI and then choose a POI icon.

Access the edit menu by selecting the Edit button once an OOI has been highlighted. To edit visibility and set a new default icon for all OOIs within a specific folder (instead of an individual OOI), select the folder and use the Edit All button.

To access other folders, use the Up Folder option or center press the joystick to reveal a Choose Folder drop-down box and select a specific folder (section 8.04). (This applies to any folder menu).

Note: Sub folders can only be created via SatSYNC. (Please refer to the SatSYNC User Guide for detailed information).

Buttons:

- **Edit**
  - Go to EDIT screen
- **Center on Map**
  - Go to PLANNING screen with the OOI in the center
- **Map**
  - Return to GPS Map screen (section 5.00)
- **Show Details**
  - Go to OOI details screen
- **Create New POI**
  - Go to the Add POI screen (section 14.01)
- **Back**
  - Return to the OOI Menu (section 12.00)

**Accelerated scrolling:** If you have several OOIs listed in one folder you are able to scroll quickly by holding the joystick up/down. Keep the joystick pressed up/down until you reach the OOI you are looking for.
14.00 OOI Menu: POIs (Points of Interest)

14.00 POIs (Points of Interest)
POIs are Points of Interest: points on a map linked to geo-referenced data (latitude/longitude), displaying text or images with information about that point (e.g. hotel, restaurant, viewpoint, historical site, etc).

POIs can be added to the unit in two ways — either by map (section 14.01) or by grid reference (section 14.02). (POIs can also be added by postcode for some units in the UK, section 14.03). Individual icons can be allocated to each POI. These allow for better management of POIs and faster recognition.

Note: Use SatSYNC to add graphics or more detailed information to a POI. (See the SatSYNC 1.5 User Guide).

14.01 Add POI by Map
(GPS MAP → MAIN MENU → OOI Menu → Add POI by Map)

Alternative access:
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Create New POI)

To create a POI using the map, select Add POI by Map from the OOI Menu and press Select or center press the joystick. This will take you to the Add POI screen where you will be able to set a POI icon.

The orange locator circle has a red cross in the center to indicate you are in edit mode on the Add POI screen. Create a POI by either pressing the top left ‘+’ button or center press the joystick in the desired location. Use the lower left ‘x’ button to remove POIs.

Once you set a POI you are prompted to name the POI on the keypad screen. When a POI is created it is called 'POI 1' by default (or similar, depending on the number of existing POIs). Use the joystick to rename your POI.

Pressing Done will take you to the POI Icon Selection screen that consists of a library of POI icons. Here you will be able to allocate an individual icon to the POI. Use the joystick to scroll through choices and press Done to select the icon. Move the joystick up/down to access more screens with POI icons.

The Add POI screen appears with your recent POI creation in the center of the map. Press Back to return to the OOI Menu.

Alternatively you can access the Add POI screen by selecting Create New POI from the OOI Folders menu.

Buttons:
Add POI (+)
Lay down POI icons on the map
Remove POI (x)
Remove POIs from the map
GPS Map
Return to GPS MAP screen
Zoom
Zoom in/out
Back
Go back to OOI Menu
14.02 Add POI by Grid Reference
(GPS MAP → MAIN MENU → OOI Menu → Add POI by Grid Ref)

To create a POI by grid reference, select Add POI by Grid Ref from the OOI Menu and press Select or center press the joystick. This will take you to the SETTING screen where you will be able to create a POI using a grid reference.

To add a location entry, move the joystick left/right to toggle between boxes. Move the joystick up/down to change the box entries.

Under the grid reference boxes are the 'conversions' showing the initial grid references. Once you begin changing the grid reference (i.e. moving the joystick up/down to change the entries), these conversion figures are grayed out and the Convert button becomes bold. Pressing Convert will update the conversions.

14.03 Add POI by Postcode (UK only)
(GPS MAP → MAIN MENU → OOI Menu → Add POI by Postcode)

POIs can be added by postcode for some units in the UK. Select Add POI by Postcode from the OOI Menu and press Select or center press the joystick. This will take you to the keypad. Enter the desired postcode and press Done to go to the Add POI screen.

Follow the steps as described in section 14.01 ('Add POI by Map') to create your POI on the map.

14.04 Add POI in a Specific Folder
(MAIN MENU → OOI Menu → OOI Folders → specific folder → final subfolder → Back → Add POI by Map or Add POI by Grid Reference or Add POI by Postcode)

This will add the POI to the last visited folder.

Note: Folders are created using SatSYNC and must contain at least one OOI or route to be visible on the unit. (See SatSYNC User Guide for more information).

14.05 POI Details Screen
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select POI → Show Details)

Alternative access:
(GPS MAP/PLANNING → click on POI → Choose Information Type → select POI via center press → POI details)

This screen summarises details of the POI and is titled by the current POI name. POIs are date and time 'stamped', and the following information is given:

- Name of the POI
- Grid reference
- Distance and bearing from current location
- Elevation
- POI icon
- POI description (if added)

The highlighted green 'eye' icon indicates the POI is visible on the map. When invisible, the 'eye' icon is highlighted in red with a red line through it (section 11.00).
14.06 OOI Menu: Edit POIs (Points of Interest)

14.06 Edit POI Menu
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select POI → Edit)

Alternative access:
(GPS MAP/PLANNING → click on POI → Choose Information Type → select POI via center press → POI details → Edit)

To access the EDIT POI menu, highlight the POI to be edited in the OOI Folders (section 13.00), and press Edit or center press the joystick. Scroll up/down using the Next button or the joystick. The current setting for the highlighted option is shown under the window.

In selecting either Rename or Edit Description you will bring up an on-screen keypad (section 9.00). When using the keypad for labeling, either press Select or center press the joystick to select entries.

The menu options on the Edit POI screen are as follows;

- Rename
- Edit Description*
- Edit Location by Map
- Edit Location by Grid
- Edit Warning Radius
- Edit Visibility
- Edit POI Icon
- Delete
- Move to SD Card**
- Copy to SD Card**

Buttons:

Next
Move down to next option

Map
Return to GPS MAP screen

Edit
Either press Edit button or center press joystick to access alpha-numeric keypad for labeling.

Note: This button changes depending on the option selected. Other options include Rename, Delete, Move, Copy.

Back
Return to OOI Folders

* The 'Edit Description' option is only available if the existing description has 128 characters or less (e.g. externally imported descriptions from geocaches etc. with more than 128 characters cannot be edited).

** The last two options on the list become available only when an SD card has been inserted and is not write-protected.
14.06a Rename POI
(GPS MAP → MAIN MENU → OOI Menu
→ OOI Folders → Select POI → Edit →
Rename)

When a POI is created it is called 'POI 1' by
default (or similar, depending on the number
of existing OOIs). To rename it, highlight the
POI in the OOI Folders, press Edit, then
Rename. The keypad appears. Use the
joystick to rename the POI (section 9.00).

14.06b Edit Description
(GPS MAP → MAIN MENU → OOI Menu →
OOI Folders → Select POI → Edit → Edit
Description)

Highlight Edit Description, then either press
the Edit button or center press the joystick to
access the keypad (section 9.00).

Operate the keypad to input comments
describing the POI and press Done when
finished. The screen will return to the EDIT
POI menu.

The description can be viewed on the POI
details screen (section 14.05).

Note: The 'Edit Description' option is only
available if the existing description has 128
characters or less (e.g. externally imported
descriptions from geocaches etc. with more
than 128 characters cannot be edited).

14.06c Edit Location by Map
(GPS MAP → MAIN MENU → OOI Menu →
OOI Folders → Select POI → Edit → Edit
Location by Map)

You are in edit mode when a red cross
appears inside the orange locator circle. A
copy of the POI icon appears just inside the
locator circle. Drag the POI to a new location
and center press the joystick to confirm the
placement.

Note: This mode only allows you to edit the
specific POI selected. Nothing else on the
map is editable, (i.e. the remove POI button
'x' does not have a function on this screen).

Press the GPS Map button to return to the
last map screen.

14.06d Edit Location by Grid
(GPS MAP → MAIN MENU → OOI Menu →
OOI Folders → Select POI → Edit → Edit
Location by Map)

Highlight Edit Location by Grid in the EDIT
POI menu if you want to edit the POI by
changing the grid reference values. This
will take you to the SETTING screen where
you can use the joystick to move left/right to
toggle between boxes. Move the joystick up/
down to change the box entries. Pressing Next
will move between rows (except with
OSGB). Select Done when complete to go
back to the EDIT POI menu.
14.06e OOI Menu: Edit POIs (Points of Interest)

14.06e Edit Warning Radius
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select POI → Edit → Edit Warning Radius)

Select Edit Warning Radius to take you to the Warning Radius screen. Use the joystick or the Next button to scroll through the options. Press Select to choose a radius at which the unit will sound warning beeps indicating the vicinity of the selected POI.

14.06f Edit Visibility
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select POI → Edit → Edit Visibility)

On selecting Edit Visibility you are taken to a menu where you can hide or show your POIs by setting them as 'visible' or 'not visible' on your map. Pressing Select takes you back to the edit menu.

Note: This is only respected if the global visibility is set to 'Default' (GPS MAP → MAIN MENU → OOI Menu → 'Visibility - Default').

14.06g Edit POI Icon
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select POI → Edit → Edit POI Icon)

Highlight Edit POI Icon and use the joystick to select a POI icon from the POI Icon Selection screen. Press Done to return to the EDIT POI menu.

14.06h Delete
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select POI → Edit → Delete)

Press Delete or center press the joystick to access a screen showing the option to delete the POI. When Delete is selected the screen will go back to the OOI Folders. Pressing Cancel will take you back to the EDIT POI menu.

14.06i Move to SD Card
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select POI → Edit → Move to SD Card)

(Only available if an SD card has been inserted). Move the POI from the SD card to the Internal Storage. Highlight Move to SD Card and either press Move or center press the joystick. (Subsequently this option becomes Move from SD Card). The screen will go to the OOI Folders and the POI will appear in the SD Card folder. (To move the POI from the SD card, select Move from SD Card from the edit menu. The POI will then appear in the Internal Storage folder).

14.06j Copy to SD Card
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select POI → Edit → Copy to SD Card)

(Only available if an SD card has been inserted). Make a copy of the POI onto the SD card. Highlight Copy to SD Card and either press Copy or center press the joystick. (Subsequently this option becomes Copy from SD Card). The screen will go to the OOI Folders and a copy of the POI will appear in the SD Card folder, as well as in the Internal Storage folder.

Note: Visibility should be set to 'Default' to be editable for individual OOs.
15.00 OOI Menu: AOs (Areas of Interest)

15.00 AOs (Areas of Interest)
AOIs are Areas of Interest and consist of a series of points making up an area of any size or shape. These can be used:
- To mark various areas of interest on a map, (e.g. forests, wetlands).
- To measure an area on a map.
- As an alternative to the circular POI Warning Radius (section 24.00) as any shape can be drawn.

The area can be filled with different colors and patterns.

Note: Use SatSYNC to add graphics or more detailed information to an AOI. (See the SatSYNC 1.5 User Guide).

15.01 Add AOI Screen
(GPS MAP → MAIN MENU → OOI Menu → Add AOI by Map)
To create an AOI, select Add AOI by Map from the OOI Menu and press Select or center press the joystick. This will take you to the Add AOI screen where you will be able to lay down points (green dots) to form an 'area'.

The orange locator circle has a red cross in the center to indicate you are in edit mode on the Add AOI screen. You can plot points by either pressing the top left ‘+’ button or by center pressing the joystick. Use the lower left ‘x’ button to remove points.

The area is shown as you create the AOI. You will be able to change the color and pattern options of the AOI (section 15.04e/15.04f). The name of the AOI appears in the designated area.

Buttons:
Add AOI point (+)
Lay down AOI points on the map
Remove AOI point (x)
Remove AOI points from the map
GPS Map
Return to GPS MAP screen
Zoom
Zoom in/out
Done/(Back)
Go to keypad to name AOI and then to OOI Folders. (Back cancels the operation and takes you back to the OOI Menu).

15.02 Add AOI in a Specific Folder
(MAIN MENU → OOI Menu → OOI Folders → specific folder → final subfolder → Back → Add AOI by Map)
This will add the AOI to the last visited folder.

Note: Folders are created using SatSYNC and must contain at least one OOI or route to be visible on the unit. (See SatSYNC User Guide for more information).
15.03 OOI Menu: AOI Details

15.03 AOI Details Screen
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → select AOI → Show Details)

Alternative access:
(GPS MAP/PLANNING → click on AOI → Choose Information Type → select AOI via center press → AOI details)

This screen summarises details of the AOI and is titled by the current AOI name. AOIs are date and time ‘stamped’, and the following information is given:

• Name of the AOI
• Grid reference*
• Distance and bearing from current location*
• Elevation*
• Area of AOI
• Description of AOI

* Refers to the arbitrary reference point in an AOI (usually close to the center).

The highlighted green 'eye' icon indicates the AOI is visible on the map. When invisible, the 'eye' icon is highlighted in red with a red line through it (section 11.00).

AOI reference point
(Used for grid reference, elevation, and distance and bearing from current location on AOI details screen).

This is the arbitrary reference point in an AOI indicated by a default icon (visible when editing the AOI on the map) and AOI name. (Icon cannot be changed, but the name is editable). It is also used as a reference point in the following instances:

• As a GoTo point
• As a ‘POI’ in data boxes
• When using the Pointer
• When using the Center on Map button

This reference point can be moved to any new location by using the Edit Location by Map option.
15.04 OOI Menu: Edit AOI (Areas of Interest)

15.04 Edit AOI Menu
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select AOI → Edit)

Alternative access:
(GPS MAP/PLANNING → click on AOI → Choose Information Type → select AOI via center press → AOI details → Edit)

To access the EDIT AOI menu, highlight the AOI to be edited in the OOI Folders (section 13.00), and press Edit or center press the joystick. Scroll up/down using the Next button or the joystick. The current setting for the highlighted option is shown under the window.

In selecting either Rename or Edit Description you will bring up an on-screen keypad (section 9.00). When using the keypad for labeling, either press Select or center press the joystick to select entries.

The menu options on the Edit AOI screen are as follows;
- Rename
- Edit Description*
- Edit Location by Map
- Edit Visibility
- Edit Color
- Edit Pattern
- Delete
- Move to SD Card**
- Copy to SD Card**

Buttons:
- Next
  Move down to next option
- Map
  Return to GPS MAP screen
- Edit
  Either press Edit button or center press joystick to access alpha-numeric keypad for labeling.

  Note: This button changes depending on the option selected. Other options include Rename, Delete, Move, Copy.
- Back
  Return to OOI Folders

*The ‘Edit Description’ option is only available if the existing description has 128 characters or less (e.g. externally imported descriptions from geocaches etc. with more than 128 characters cannot be edited).

** The last two options on the list become available only when an SD card has been inserted and is not write-protected.
15.04a OOI Menu: Edit AOI (Areas of Interest)

15.04a Rename AOI
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select AOI → Edit → Rename)

When an AOI is created it is called 'AOI 1' by default (or similar, depending on the number of existing OOIs). To rename it, highlight the AOI in the OOI Folders, press Edit, then Rename. The keypad appears. Use the joystick to rename the AOI (section 9.00).

15.04b Edit Description
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select AOI → Edit → Edit Description)

Highlight Edit Description, then either press the Edit button or center press the joystick to access the keypad (section 9.00).

Operate the keypad to input comments describing the AOI and press Done when finished. The screen will return to the EDIT AOI menu.

Note: The 'Edit Description' option is only available if the existing description has 128 characters or less (e.g. externally imported descriptions from geocaches etc. with more than 128 characters cannot be edited).

15.04c Edit Location by Map
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select AOI → Edit → Edit Location by Map)

You are in edit mode when a red cross appears inside the orange locator circle. Use the joystick to move the locator circle over individual AOI points and center press the joystick to select them. A blue POI icon appears just inside the locator circle which means you can then drag the AOI point to a new location. Center press the joystick to confirm the placement.

If you wish to add another AOI point, press the '+' button. To remove an existing AOI point, press the 'x' button.

Press the GPS Map button to return to the last map screen.

15.04d Edit Visibility
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select AOI → Edit → Edit Visibility)

On selecting Edit Visibility you are taken to a menu where you can hide or show your AOIs by setting them as 'visible' or 'not visible' on your map. Pressing Select takes you back to the edit menu.

Note: This is only respected if the global visibility is set to 'Default' (GPS MAP → MAIN MENU → OOI Menu → 'Visibility - Default').
15.04e OOI Menu: Edit AOI (Areas of Interest)

15.04e Edit Color
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select AOI → Edit → Edit Color)

Highlight Edit Color and use the joystick to make a selection from the color palette. As you move the joystick over a color, the AOI automatically changes color on the map. Once you are happy with the color choice, press Set to confirm or center press the joystick. This will take you back to the edit menu.

15.04f Edit Pattern
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select AOI → Edit → Edit Pattern)

Highlight Edit Pattern and use the joystick to make a selection from six different pattern options. As you move the joystick over a pattern, the AOI pattern automatically changes on the map. Once you are happy with the pattern choice, press Set to confirm or center press the joystick. This will take you back to the edit menu.

15.04g Delete
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select AOI → Edit → Delete)

Highlight Delete, then press Delete or center press the joystick to access a screen showing the option to delete the AOI. When Delete is selected the screen will go back to the OOI Folders. Pressing Cancel will take you back to the EDIT AOI menu.

15.04h Move to SD Card
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select AOI → Edit → Move to SD Card)
(Only available if an SD card has been inserted). Move the AOI from the SD card to the Internal Storage. Highlight Move to SD Card and either press Move or center press the joystick. (Subsequently this option becomes Move from SD Card). The screen will go to the OOI Folders and the AOI will appear in the SD Card folder. To move the AOI from the SD card you will need to select Move from SD Card from the edit menu.

15.04i Copy to SD Card
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select AOI → Edit → Copy to SD Card)
(Only available if an SD card has been inserted). Make a copy of the AOI onto the SD card. Highlight Copy to SD Card and either press Copy or center press the joystick. (Subsequently this option becomes Copy from SD Card). The screen will go to the OOI Folders and a copy of the AOI will appear in the SD Card folder.
16.00 LOIs (Lines of Interest)

LOIs are Lines of Interest allowing you to plot a line consisting of multiple waypoints joined together, instead of a single POI (Point of Interest).

LOIs are drawn in a similar way to a route, but cannot be followed or activated like a route, or have comments for individual points. They are used to represent boundaries or alternative routes. The description screen shows the length of the line and the line color can be edited.

Note: Use SatSYNC to add graphics or more detailed information to an LOI. (See the SatSYNC 1.5 User Guide).

16.01 Add LOI Screen

(GPS MAP → MAIN MENU → OOI Menu → Add LOI by Map)

To create an LOI, select Add LOI by Map from the OOI Menu and press Select or center press the joystick. This will take you to the Add LOI screen where you will be able to lay down points (green dots) to form a 'line'.

The orange locator circle has a red cross in the center to indicate you are in edit mode and on the Add LOI screen. You can plot points by either pressing the top left '+' button or by center pressing the joystick. Use the lower left 'x' button to remove points.

The line and its length are shown as you create the LOI. The name of the LOI appears in the designated area and you will be able to change the color of the LOI (section 16.04e).

Buttons:
Add LOI point (+)
Lay down LOI points on the map
Remove LOI point (x)
Remove LOI points from the map
GPS Map
Return to GPS MAP screen
Zoom
Zoom in/out
Done/(Back)
Go to keypad to name LOI and then to OOI Folders. (Back cancels the operation and takes you back to the OOI Menu).

16.02 Add LOI in a Specific Folder

(MAIN MENU → OOI Menu → OOI Folders → specific folder → final subfolder → Back → Add LOI by Map)

This will add the LOI to the last visited folder.

Note: Folders are created using SatSYNC and must contain at least one OOI or route to be visible on the unit. (See SatSYNC User Guide for more information).
16.03 OOI Menu: LOI Details

16.03 LOI Details Screen
(GPS MAP → MAIN MENU → OOI Menu →
OOI Folders → Select LOI → Show Details)

Alternative access:
(GPS MAP/PLANNING → click on LOI →
Choose Information Type → select LOI via
center press → LOI details)

This screen summarises details of the LOI
and is titled by the current LOI name. LOIs
are date and time ‘stamped’, and the following
information is given:
• Name of the LOI
• Grid reference*
• Distance and bearing from current location*
• Length of the line
• Elevation*
• Description of LOI

* Refers to the arbitrary reference point in an
LOI (usually close to the center).

The highlighted green ‘eye’ icon indicates the
LOI is visible on the map. When invisible, the
‘eye’ icon is highlighted in red with a red line
through it (section 11.00).

LOI reference point
(Used for grid reference, elevation, and
distance and bearing from current location on
LOI details screen).

This is the arbitrary reference point in an
LOI indicated by a default icon (visible when
editing the LOI on the map) and LOI name.
(Icon cannot be changed, but the name is
eetable). It is also used as a reference point
in the following instances:
• As a GoTo point
• As a ‘POI’ in data boxes
• When using the Pointer
• When using the Center on Map button

This reference point can be moved to any
new location by using the Edit Location by
Map option.
16.04 OOI Menu: Edit LOI (Lines of Interest)

16.04 Edit LOI Menu
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select LOI → Edit)

Alternative access:
(GPS MAP/PLANNING → click on LOI → Choose Information Type → select LOI via center press → LOI details → Edit)

To access the EDIT LOI menu, highlight the LOI to be edited in the OOI Folders (section 13.00), and press Edit or center press the joystick. Scroll up/down using the Next button or the joystick. The current setting for the highlighted option is shown under the window.

In selecting either Rename or Edit Description you will bring up an on-screen keypad (section 9.00). When using the keypad for labeling, either press Select or center press the joystick to select entries.

The menu options on the Edit LOI screen are as follows;
• Rename
• Edit Description*
• Edit Location by Map
• Edit Visibility
• Edit Color
• Delete
• Move to SD Card**
• Copy to SD Card**

Buttons:
Next
Move down to next option

Map
Return to GPS MAP screen

Edit
Either press Edit button or center press joystick to access alpha-numeric keypad for labeling.

Note: This button changes depending on the option selected. Other options include Rename, Delete, Move, Copy.

Back
Return to OOI Folders

* The ‘Edit Description’ option is only available if the existing description has 128 characters or less (e.g. externally imported descriptions from geocaches etc. with more than 128 characters cannot be edited).

** The last two options on the list become available only when an SD card has been inserted and is not write-protected.
16.04a Rename LOI
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select LOI → Edit → Rename)

When an LOI is created it is called 'LOI 1' by default (or similar, depending on the number of existing OOIs). To rename it, highlight the LOI in the OOI Folders, press Edit, then Rename. The keypad appears. Use the joystick to rename the LOI (section 9.00).

16.04b Edit Description
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select LOI → Edit → Edit Description)

Highlight Edit Description, then either press the Edit button or center press the joystick to access the keypad (section 9.00).

Operate the keypad to input comments describing the LOI and press Done when finished. The screen will return to the EDIT LOI menu.

* The 'Edit Description' option is only available if the existing description has 128 characters or less (e.g. externally imported descriptions from geocaches etc. with more than 128 characters cannot be edited).

16.04c Edit Location by Map
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select LOI → Edit → Edit Location by Map)

You are in edit mode when a red cross appears inside the orange locator circle. Use the joystick to move the locator circle over individual LOI points and center press the joystick to select them. A blue POI icon appears just inside the locator circle which means you can then drag the LOI point to a new location. Center press the joystick to confirm the placement.

If you wish to add another LOI point, press the '+' button. To remove an existing LOI point, press the 'x' button.

Press the GPS Map button to return to the last map screen.
16.04d OOI Menu: Edit LOI (Areas of Interest)

16.04d Edit Visibility
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select LOI → Edit → Edit Visibility)

On selecting **Edit Visibility** you are taken to a menu where you can hide or show your LOIs by setting them as 'visible' or 'not visible' on your map. Pressing **Select** takes you back to the edit menu.

*Note: This is only respected if the global visibility is set to 'Default' (GPS MAP → MAIN MENU → OOI Menu → 'Visibility - Default').*

16.04e Edit Color
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select LOI → Edit → Edit Color)

Highlight **Edit Color** and use the joystick to make a selection from the color palette. As you move the joystick over a color, the LOI automatically changes color on the map. Once you are happy with the color choice, press **Set** to confirm or center press the joystick. This will take you back to the edit menu.

16.04f Delete
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select LOI → Edit → Delete)

Highlight **Delete**, then press **Delete** or center press the joystick to access a screen showing the option to delete the LOI. When either **Delete** or **Cancel** is selected, the screen will go back to the **EDIT LOI** menu.

16.04g Move to SD Card
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select LOI → Edit → Move to SD Card)

*(Only available if an SD card has been inserted).* Move the LOI from the SD card to the Internal Storage. Highlight **Move to SD Card** and either press **Move** or center press the joystick. (Subsequently this option becomes **Move from SD Card**). The screen will go to the **OOI Folders** and the LOI will appear in the **SD Card** folder. To move the LOI from the SD card you will need to select **Move from SD Card** from the edit menu.

16.04h Copy to SD Card
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select LOI → Edit → Copy to SD Card)

*(Only available if an SD card has been inserted).* Make a copy of the LOI onto the SD card. Highlight **Copy to SD Card** and either press **Copy** or center press the joystick. (Subsequently this option becomes **Copy from SD Card**). The screen will go to the **OOI Folders** and a copy of the LOI will appear in the **SD Card** folder.
17.00 OOI Menu: Grids

17.00 Grids

Grids consist of a group of square-shaped AOIs in a large square/grid formation. They allow you to overlay a square grid/table onto the map. Grids are used to split an area into searchable chunks. For example, search and rescue teams can use grids for rescue missions. Other examples of uses include ornithology (bird watching), archaeology, forestry, crime surveying, etc.

Each grid consists of 100 AOIs (or squares), i.e. 10 across and 10 down. Each AOI is 300m x 300m. The grid follows a default naming convention and individual AOIs can be renamed individually (section 17.05). As you zoom into the map, the name of the AOI appears in each square. Moving the locator circle over individual squares shows the name of the AOI in the top right-hand corner.

Rows are labeled AA, AB, AC, etc... and columns are labeled 1, 2, 3, etc... so a square or individual AOI can be referred to as “AA3” or “AB2”. *(To avoid confusion with the number 1, the letter ‘l’ has been omitted).*

You are able to change the color and pattern of individual AOIs just like a regular AOI (section 15.04e/15.04f). The grid appears on the PLANNING screen once created. More than one grid can be placed on the map. Visibility can only be set for individual AOIs, not for the entire grid.

### 17.01 Add Grid Screen

*(GPS MAP → MAIN MENU → OOI Menu → Add Grid by Map)*

To create a grid, select **Add Grid by Map** from the OOI Menu and press **Select** or center press the joystick. This will take you to the **Add Grid** screen where you will need to set the center point of the grid.

The orange locator circle has a red cross in the center to indicate you are in edit mode and on the **Add Grid** screen. Use the top left ‘+’ button or center press the joystick to set the center point. This will take you to the keypad to name your grid.

*Note: The lower left ‘x’ button is not used on this screen.*

**Buttons:**

- **Add Grid (+)**: Sets the center point of the grid
- **GPS Map**: Return to GPS MAP screen
- **Zoom**: Zoom in/out
- **Back**: Go back to the OOI Menu
17.02 Add Grid in a Specific Folder
(MAIN MENU → OOI Menu → OOI Folders → specific folder → final subfolder → Back → Add Grid by Map)

This will add the grid to the last visited folder.

Note: Folders are created using SatSYNC and must contain at least one OOI or route to be visible on the unit. (See SatSYNC User Guide for more information).

17.03 Grid Details Screen
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select Grid → Select AOI → Show Details)

Alternative access:
(GPS MAP/PLANNING → click on Grid → Choose Information Type → select AOI on Grid via center press → AOI details)

This screen summarises details of individual AOIs that make up a grid, depending on the AOI selected. It is titled by the current AOI name (e.g. AA1). AOIs in a grid are not date and time 'stamped'. The following information is given:

- Name of the AOI
- Grid reference*
- Distance and bearing from current location*
- Area (meters squared)
- Elevation*
- Description of grid

*Refers to the arbitrary reference point of the AOI within the grid (usually top left corner of an AOI within a grid).

The highlighted green 'eye' icon indicates the AOI is visible on the map. When invisible, the 'eye' icon is highlighted in red with a red line through it (section 11.00).

AOI reference point within a grid
(Used for grid reference, elevation, and distance and bearing from current location on AOI details screen).

This is the arbitrary reference point in a particular AOI within the grid, indicated by the AOI name. (Name is editable). It is also used as a reference point in the following instances:

- As a GoTo point
- As a 'POI' in data boxes
- When using the Pointer
- When using the Center on Map button

This reference point can be moved to any new location by using the Edit Location by Map option in the EDIT AOI menu (once you have selected a particular AOI within the grid). Here reference points for all AOIs within the grid will be displayed on the map, indicated by default icons and individual AOI names (see below).
17.04 OOI Menu: Edit Grid

17.04 Edit Grid Menu
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select Grid → Edit)

To access the EDIT menu for a grid, highlight the grid to be edited in the OOI Folders (section 13.00), and press Edit or center press the joystick. Scroll up/down using the Next button or the joystick. The current setting for the highlighted option is shown under the window.

In selecting either Rename you will bring up an on-screen keypad (section 9.00). When using the keypad for labeling, either press Select or center press the joystick to select entries.

The menu options for a grid on the EDIT screen are as follows:
- Rename
- Copy
- Delete
- Move to SD Card*
- Copy to SD Card*

*The last two options on the list become available only when an SD card has been inserted and is not write-protected.

Buttons:
- Next
  Move down to next option
- Map
  Return to GPS Map screen
- Rename
  Either press Edit button or center press joystick to access alpha-numeric keypad for labeling.

Note: This button changes depending on the option selected. Other options include Copy, Delete, Move.

- Back
  Return to OOI Folders
17.04a Rename Grid
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select Grid → Edit → Rename)

When a grid is created it is called 'Grid 1' by default (or similar, depending on the number of existing OOs). To rename it, highlight the grid in the OOI Folders, press Edit, then Rename. The keypad appears. Use the joystick to rename the grid (section 9.00).

17.04b Copy
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select Grid → Edit → Copy)

To create a duplicate of the grid, highlight the grid in the Edit menu, select Copy, and either press the Copy button or center press the joystick.

The screen will return to the OOI Folders and a copy of the grid will appear above the original grid. It has the prefix 'Copy of' to indicate it is a copy, e.g. 'Copy of Grid 1'. The options in the EDIT menu can also be applied to the grid copy, e.g. if you need to rename it, etc.

17.04c Delete
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select Grid → Edit → Delete)

Highlight Delete, then press Delete or center press the joystick to access a screen showing the option to delete the grid. When either Delete or Cancel is selected, the screen will go back to the OOI Folders.

17.04d Move to SD Card
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select Grid → Edit → Move to SD Card)

(Only available if an SD card has been inserted). Move the grid from the SD card to the Internal Storage. Highlight Move to SD Card and either press Move or center press the joystick. (Subsequently this option becomes Move from SD Card). The screen will go to the OOI Folders and the grid will appear in the SD Card folder. To move the grid from the SD card you will need to select Move from SD Card from the edit menu.

17.04e Copy to SD Card
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select grid → Edit → Copy to SD Card)

(Only available if an SD card has been inserted). Make a copy of the grid onto the SD card. Highlight Copy to SD Card and either press Copy or center press the joystick. (Subsequently this option becomes Copy from SD Card). The screen will go to the OOI Folders and a copy of the grid will appear in the SD Card folder.
17.05 OOI Menu: Edit AOIs Within A Grid

17.05 Edit AOIs Within a Grid
(GPS MAP → MAIN MENU → OOI Menu →
OOI Folders → Select Grid → Select AOI →
Edit)

Alternative access:
(GPS MAP/PLANNING → click on AOI →
Choose Information Type → select AOI via
center press → AOI details → Edit)

Individual AOIs within a grid can be edited
in the same way as regular AOIs. Go to the
OOI Folders, highlight the grid and press
Select to list the AOIs that make up the grid.
By pressing Edit you will be taken to the EDIT
AOI menu. Here you will be able to change
the color and pattern of individual AOIs within
a grid. (Please refer to section 15.04 for more
information on the EDIT AOI menu options).

From the grid screen you will also be able
to center an AOI on the map or locate the
nearest AOI to your current location. Pressing
the Show Details button will give you a
description of the AOI selected (section
15.03). You can also access the edit options
from this screen. (Please refer to section
11.00 for more on the Choose Information
Type window).

Note: Only individual AOIs within a grid can be
made visible or invisible. An entire grid cannot
be made visible or invisible, unless you set
the visibility options of a folder containing the
grid.

Buttons:

Edit
Go to EDIT AOI screen (section 15.04c)

Center on Map
Go to PLANNING screen with the AOI in the
center

Locate Nearest
Go to PLANNING screen and show nearest
AOI to current location

Show Details
Go to AOI details screen (section 15.03)

Back
Return to the OOI Menu (section 12.00)
18.00 IOIs (Items of Interest)

IOIs are Items of Interest and are non geo-referenced documents. They include digital information that can be saved on the unit, such as a graphic showing information about a species of a bird or flower. They can also be used to reference instructions, e.g. how to make a camp fire or first aid tips. An IOI is not necessarily assigned to a specific point on the map. (If the item was plotted against a specific point on the map, it would be a POI). An IOI contains no latitude or longitude data. It can be created directly on the unit as a simple text description, and details of the IOI are shown on the description screen.

Note: If you want to add graphics or more detailed information, you are able to create an IOI on your computer and import it to your unit via SatSYNC. (Please refer to the SatSYNC 1.5 User Guide provided on the CD or downloadable from satmap.com). This employs the use of a tab delimited plain text file containing OOI data in different columns and is used for creating routes, POIs, AOIs, LOIs, as well as IOIs.

18.01 Add an IOI
(GPS MAP → MAIN MENU → OOI Menu → Add IOI)

To create an IOI, highlight the Add IOI option from the OOI Menu and press Select or center press the joystick. This will take you straight to the keypad to prompt you to rename your IOI. When an IOI is created it is called 'IOI 1' by default (or similar, depending on the number of existing OOIs). Use the joystick to rename your IOI and then press Done when complete.

The Edit Description screen appears and this is where you can add a brief description using the keypad. This information is shown in the IOI. Pressing Done takes you back to the OOI Menu. To view your IOI, go to the OOI Folders.

18.02 Add IOI in a Specific Folder
(MAIN MENU → OOI Menu → OOI Folders → specific folder → final subfolder → Back → Add IOI)

This will add the IOI to the last visited folder.

Note: Folders are created using SatSYNC and must contain at least one OOI or route to be visible on the unit. (See SatSYNC User Guide for more information).

18.03 IOI Details Screen
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select IOI → Show Details)

This screen shows the description included in the IOI and is titled by the current IOI name. Graphics and more detailed information created on a computer and imported onto the unit can be viewed on this screen. (See SatSYNC 1.5 User Guide).

An IOI contains information that is for reference only. Therefore there are no options to adjust visibility as an IOI does not appear on the map, and no date or time 'stamp' is shown.
18.04 OOI Menu: Edit IOIs (Items of Interest)

18.04 Edit IOI Screen
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select IOI → Edit)

Alternative access:
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select IOI → Show Details → Edit)

To access the EDIT IOI screen, highlight the IOI to be edited in the OOI Folders (section 13.00), and press Edit or center press the joystick. Scroll up/down using the Next button or the joystick. The current setting for the highlighted option is shown under the window.

In selecting either Rename or Edit Description you will bring up an on-screen keypad (section 9.00). When using the keypad for labeling, either press Select or center press the joystick to select entries.

The menu options on the Edit IOI screen are as follows;
• Rename
• Edit Description
• Delete
• Move to SD Card*
• Copy to SD Card*

*The last two options on the list become available only when an SD card has been inserted and is not write-protected.

Buttons:
Next
Move down to next option

Map
Return to GPS Map screen

Edit
Either press the Edit button or center press joystick to access alpha-numeric keypad for labeling.

Note: This button changes depending on the option selected. Other options include Rename, Delete, Move, Copy.

Back
Return to OOI Folders

Figure 18.04
18.04a Rename IOI
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select IOI → Edit → Rename)
When an IOI is created it is called 'IOI 1' by default (or similar, depending on the number of existing IOIs). To rename it, highlight the IOI in the OOI Folders, press Edit, then Rename. The keypad appears. Use the joystick to rename the IOI (section 9.00).

18.04b Edit Description
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select IOI → Edit → Edit Description)
Highlight Edit Description, then either press the Edit button or center press the joystick to access the keypad (section 9.00).

Operate the keypad to input comments describing the IOI and press Done when finished. The screen will return to the EDIT IOI menu.

18.04c Delete
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select IOI → Edit → Delete)
Highlight Delete, then press Delete or center press the joystick to access a screen showing the option to delete the IOI. Pressing Delete will delete the IOI and take you back to the OOI Folders. Pressing Cancel will take you back to the EDIT IOI menu.

18.04d Move to SD Card
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select IOI → Edit → Move to SD Card)
(Only available if an SD card has been inserted). Move the IOI from the SD card to the Internal Storage. Highlight Move to SD Card and either press Move or center press the joystick. (Subsequently this option becomes Move from SD Card). The screen will go to the OOI Folders and the IOI will appear in the SD Card folder. To move the IOI from the SD card you will need to select Move from SD Card from the edit menu.

18.04e Copy to SD Card
(GPS MAP → MAIN MENU → OOI Menu → OOI Folders → Select IOI → Edit → Copy to SD Card)
(Only available if an SD card has been inserted). Make a copy of the IOI onto the SD card. Highlight Copy to SD Card and either press Copy or center press the joystick. (Subsequently this option becomes Copy from SD Card). The screen will go to the OOI Folders and a copy of the IOI will appear in the SD Card folder.
19.00 GoTo and Marker

19.00 GoTo and Marker Screen
(GPS MAP → MAIN MENU → GoTo and Marker)

GoTo point: A set point that acts as a target. Once you have activated a GoTo point, a straight line from your current location and GoTo point (or route) will appear. This is useful in situations when you do not know where you are going, i.e., you have no determined route. Access various statistics from the data box options using this feature, e.g., GoTo Distance, GoTo ETA, GoTo Bearing etc. (section 7.08).

Marker: A red flag (reference point) on the map from which the distance and bearing to any other point on the map can be measured. You are not able to follow a Marker and it is only available in Planning mode. Use the joystick to move the planning circle in the desired direction to calculate the straight line distance or bearing.

The menu options are as follows:
• GoTo – Set By Coords
• GoTo – Route*
• Marker – Set By Coords
*Available once a GoTo point has been set.

Note: GoTo and Marker function for setting by postcode are available for some units sold in the UK.

Clear Marker and GoTo – Clear buttons are active once a point/marker has been set. (Also accessible from the POSITION INFO screen section 10.00).

19.01 GoTo – Set By Coords
Marker – Set By Coords
Selecting one of these options brings up a screen on which grid references may be entered. Move the joystick up/down to change the coordinate values, and left/right to select the next entry box, or use the Next button to move to the next row.

Buttons:
Next
Move between rows (does not work with OSGB)
Convert
Updates coordinate conversions. (Active once original coordinates have been changed).
Map
Return to last map screen
Done
Press to set coordinates of GoTo point/Marker
Cancel
Return to GoTo and Marker screen
Back
Return to PLANNING screen

Coordinates can be entered in different position display formats and the preferred format can be selected from Main Menu → Settings → GPS Settings.

Alternative option for setting a GoTo point/Marker:
(PLANNING → POSITION INFO via center press → Set Marker/Set GoTo)

19.02 GoTo – Route
Only available once a GoTo point has been set. Selecting this option shows the straight line distance from your current location to a route and puts the center of the planning circle at the GoTo point.
20.00 Accessories

The following accessories are available from Satmap. For a full range, please visit www.satmap.com.

20.01 Mounts
For mounting the Active 10 GPS unit onto a bike or in a vehicle:

20.01a Bike Mount
The Bike Mount has a robust, flexible fitting and is designed for using the Active 10 GPS unit on a bike. It can be attached to the handle bars, stem or crossbar, allowing you to get the most out of your cycling and mountain biking experience. The Standard Battery Back of the Active 10 is replaced with a Mount Battery Back which has a moulded section and clips onto the Bike Mount.

20.01b Vehicle Mount
The Vehicle Mount is a tough unit designed for using the Active 10 GPS in motor vehicles. It has a powerful suction cup for attachment to smooth surfaces such as a windshield. It can also be fitted to any flat surface, such as the dashboard, using the adhesive Mounting Plate. This product will primarily appeal to drivers of off-road vehicles where navigation on accurate topographical mapping is a must.

20.02 Cases & Protection
A variety of accessories designed to protect the Active 10 unit while exploring the great outdoors:

20.02a Carry Cases (Standard & Deluxe)
The Standard Carry Case has a padded compartment for the Active 10, closed with a Velcro top for fast access, and an elasticated front mesh for additional storage.

The Deluxe Carry Case has a main padded compartment for the Active 10 itself and a secondary compartment, ideal for storing spare batteries, map cards, car keys, small mobile phone, etc. There are also two mesh pockets on either side. The zips are covered to provide weatherproofing, and an additional elasticated front mesh provides further storage.

20.02b Lanyard
The Lanyard is 1.3m long, branded with the Satmap logo, and is adjustable to fit most requirements. It has two fittings on each end: a metal clip for attaching to the D-Rings on the side of the carry case, or a nylon hoop fitting for attaching directly onto the shoulders of the Active 10 itself.

20.02c Screen Cover
The removable Screen Cover is made of tough polycarbonate and is easily replaced, ensuring the view of the map is always at its best and never obscured by scratches.
20.00 Accessories

20.02d ProSHIELD
(Silicon protective case)
The ProSHIELD is a silicon rubber protective case that fits snugly around the Active 10 GPS unit. It has been designed to provide increased impact protection for the Active 10, allowing it to survive drops of up to 3m onto concrete. It also provides additional environmental protection against water and dust (IP67), making it ideal for operating the unit in extreme conditions. Available in black, orange, sand or green.

20.02e ZAGG invisibleSHIELD™
The ZAGG invisibleSHIELD™ is a clear and virtually indestructible film that will protect your Active 10 from unsightly scratches.

20.03 Power Accessories
A variety of power options are offered to charge and run the Active 10 unit:

20.03a Standard Power Bundle
The Standard Power Bundle is a selection of power options available for use with the Active 10 GPS. It includes a 2700mAh rechargeable Lithium Polymer (LiPol) battery which is optimized to last longer over a wide range of temperatures and conditions. The LiPol battery may be charged without removal from the Active 10 via a USB connector, either from a mains socket, laptop, computer or car cigarette lighter.

The LiPol gives you a battery life of approximately 8-12 hours in Normal Power Mode, 16-24 hours in Advanced Power Mode and 100-120 hours in Hibernate Mode.

20.03b Slimline Power Bundle
The Slimline Power Bundle gives you the option of using a thinner, lighter battery (1500mAh) in a low profile battery back. This is designed to meet the needs of users who take shorter routes and prefer to use rechargeable batteries.

The low profile means the Active 10 can fit into your pocket without the need for a Carry Case. This smaller battery gives you a battery life of approximately 4-7 hours in Normal Power Mode, 9-13 hours in Advanced Power Mode and 55-66 hours in Hibernate Mode.

20.03c Solar Power Bundle
The Solar Power Bundle includes a 2200mAh powermonkey-eXplorer Portable Charger and a Solar Panel. Suitable for use with the Active 10 GPS and other 5 Volt portable electronic devices, this versatile combination will provide you with essential power even in remote locations.

The Portable Charger gives you a battery life of approximately 6-10 hours in Normal Power Mode, 13-19 hours in Advanced Power Mode and 81-97 hours in Hibernate Mode.
21.00 Services

Satmap offers a variety of services. Please check www.satmap.com for more information.

21.01 General Service

Whilst our unit is designed to withstand the rigors of outdoor sports, it is not indestructible. Satmap offers a General Service for the care of your Active 10 which includes:
- Replacement front casework
- Replacement back casework (if needed)
- Replacement inner screen cover
- Replacement battery caddy (if needed)
- Replacement screen cover
- Software upgrade (if needed)
- Antenna check
- Full performance testing

Please allow 10 working days for Satmap to complete this service.

21.02 World Base Map

The World Map is derived from data supplied by Collins Bartholomew. At 1:30 million you get an overview of the world and once you have zoomed down to 1:5 million you will be able to see the major roads, towns and cities in every country. Such details provide a useful backdrop when you are using the Active 10 internationally. If you do not have the World Base Map on your unit (applicable to earlier units), it is available as an upgrade.

21.03 Specialized Custom Map Service

If Satmap does not have the map data, we can put your own digital map data onto an SD card. Our GIS specialists can convert almost any map into a format that can be viewed on the Active 10 unit.

21.04 Toggleable Map Service

Toggling is a feature available on version 1.4 or later of our platform software (free download from our software page). Toggleable map cards allow you to switch between different map layers at a particular point on the same zoom level. For example, you can flip between the two scales (1:50,000 and 1:25,000) and the base map. It is also possible to toggle between different map types and map providers.

Toggleable maps are marked with a toggle icon and are available from our website. Not all maps are toggleable. It is also possible to customize existing maps and make them toggleable. (See website for further details).

21.05 Custom Mapping (GB only)

Custom Mapping allows you to create your own unique maps of the highly detailed Ordnance Survey 1:25,000 scale Explorer series. The result is that you get a map of exactly the area or areas you want, making it a very effective way of capturing your favorite outdoor areas on one map card. This service is only available for GB maps.

21.06 Site-Centered Mapping (Select areas only)

For customers who want non-standard map areas, Satmap offers a bespoke service to create and supply map cards centered on a place (grid reference) of your choice. Now available for Austria (BEV), France (IGN), Germany (LVA), Great Britain (OS), and Switzerland (Swisstopo). Price is determined by the area covered.

There is a key difference between the Site-Centered Map service and the Custom Mapping service:
- Custom Mapping allows you to create irregular shaped maps.
- Site-Centered Maps are only supplied as a square or rectangle of a set size.

21.07 Map Consolidation

Many of our customers are finding that the Active 10 is so useful they are taking it everywhere with them. As a result, they are building up impressive collections of SD cards. We offer a service to add several of these maps together onto one consolidated SD card so you don’t have to worry about keeping track of all your maps. Depending on the size of the maps in question, this service may not always be appropriate, so please call us to check what is possible.
21.08 Online Route Planner & Route Share Network

21.08 Online Planning Software

With the Online Route Planner and Route Share Network customers can create routes on their computer, download them onto their Active 10 via SatSYNC*, and share them with other users. This software is available online for select countries only (please see below). As both applications complement each other, they are sold as a bundle.

Online Route Planner

The Online Route Planner provides users with access to digital topographical mapping for a range of countries, at various scales from local map providers, with new maps being added regularly:

- Great Britain: Ordnance Survey 1:50,000 & 1:25,000
- Germany: LVA 1:50,000
- Switzerland: Swisstopo 1:50,000 & 1:25,000
- Belgium: IGN 1:50,000
- Spain: IGN 1:200,000 (Whole) & 1:25,000 (Islands)
- Spain: Alpina Various Scales (Hot Spots)
- Northern Ireland: OSNI 1:50,000 & 1:25,000
- Republic of Ireland: OSI 1:210,000 & 1:50,000
- Netherlands: Kadaster 1:50,000
- Italy: Kompass/OpenCycleMap 1:50,000
- Austria: BEV 1:50,000 & 1:25,000

The Online Route Planner allows users to:

- Create routes
- Name routes and waypoints
- Add comments to a route or individual waypoints within a route
- Download routes onto the Active 10 via SatSYNC*
- Upload routes from the Active 10 via SatSYNC*
- Create a route card
- Print out copies of the map and route
- Store routes on a private space on the server.
- Includes Bing™ (Microsoft) road maps and aerial imagery for the whole world.

Route Share Network

The Route Share Network is exactly as the name suggests: an area for users to share and access a library of routes. It features:

- 3D photographic imagery
- Route upload and download
- Ability to view routes from other users—ideal for areas you are planning to explore.
- An option to add comments and feedback on routes

This Network will allow you to view routes worldwide.

* Please refer to the 1.5 SatSYNC User Guide provided on the CD or downloadable from our website.
22.00 Tips

• For the best performance in acquiring a satellite lock: Wait until a lock is established before inserting a map card. The GPS should be under open skies, immobile and held upright. When a lock has been acquired, the top left signal icon will change from a red ‘x’ to green or blue crescents, depending on the signal. (Satellite lock times vary). The Active 10 can acquire a lock on the move, e.g. whilst driving. However, this can cause a delay in the time to get a lock.

• Calibrate compass before use: Before you use the Active 10 compass, make sure you have calibrated it first by going to Main Menu > Settings > Calibrate Compass (section 7.13).

• To prevent the screen switching from GPS MAP to PLANNING: Either lock the screen (section 3.02), or allow it to go into the powersave screen off mode before stowing it away.

• To maximize battery life: Refer to section 3.00 for tips on how to conserve battery power. If you want to carry out route planning on your Active 10, connect it to your computer as a good way to get more out of your batteries.

• Take out the batteries when not using the Active 10: Even when switched off the unit draws some power, which over time can drain the batteries.

• Recording your trip log: Remember to use the Stop (data logging) button (section 6.03) if you take a break and want to maintain a log of all trip statistics. Don’t forget to press Start once you are ready to go again. If you remain stationary for a longer period of time without pausing (Stop), the data logging/trip statistics will be inaccurate.

• Make a back-up file copy of any maps that you purchase: A back-up may be done either using an SD card reader or SD card slot on your computer. If your map card data is corrupted or erased, copy the file back onto the original card. Data transferred to a different card will not be usable.

• Use a GoTo point as a rangefinder: Set a GoTo point on your destination to calculate the straight line distance from your current location to the GoTo point (section 19.00).

• Use SatSYNC to manage files: Upload/download routes and OOs from your computer to your unit by using our free SatSYNC software (download available from our website). You can transfer all sorts of GPS data files from your computer to your Active 10, e.g. .map, .kml, .gpz, .loc, geocaching files, tab delimited text files etc. (Refer to section 3.07 or the SatSYNC user guide for more information).

• To set the time on your unit: Go to MAIN MENU > Settings > Time offset and move the joystick to select the appropriate hour differential (+/- GMT).

• To quickly setup a route on your unit: Go to GPS MAP > POSITION INFO via center press > Create New Route. Plot in your waypoints using the directional joystick and press Done.

• To quickly setup a POI on your unit: Go to GPS MAP or PLANNING > POSITION INFO via center press > Add POI. Name the POI using the keypad and press Done. Select an icon from the POI icon selection screen and press Done.
23.00 Troubleshooting

- **If your unit fails to recognize a map card:** Switch off the unit and remove the card. Switch the unit on again and re-insert the card. Also be sure to check you are on the latest version of software (download available from our website).

- **If your screen flickers:** Wait 10 minutes or so and it should stop. Some flickering is normal and happens when using a strong power source such as when using the supplied AA Lithium Energizers (the most powerful AA batteries on the market).

- **If water gets under the screen cover:** Remove the cover and gently wipe away the moisture with a soft cloth. Any direct hand pressure may mark the inner screen. (Refer to section 2.06 for more tips on how to care for your unit).

- **'Snail trail' is not displaying:** Make sure you have a GPS lock and the trip log is recording (TRIP LOG > Start). Check the snail trail is on by going to GPS MAP > POSITION INFO via center press > Turn Trail On (section 10.00). Here you can also adjust the size of the dots.

- **Software has been upgraded but is still showing old version:** Ensure that Hibernate Timeout is turned off (MAIN MENU > Settings > Advanced Power Control > Hibernate Timeout). Press the Power Off button and select Yes to switch the unit off. Switch the unit back on and check the software has been installed by going to MAIN MENU > Settings > About.

- **Unit is slow/freezing:** Make sure you have the latest version of the software (download available from our website). It is a good idea to reset the trip log, section 6.03 (TRIP LOG > Menu > Reset All) as it uses up memory on your unit (section 7.10). Make sure you back up any data beforehand. You can also reset all the settings to the factory default (MAIN MENU > Settings > Default > Yes).

- **For further assistance or additional queries please contact our technical department on +44 (0)845 873 0101. Please also check our FAQs on satmap.com.
24.00 Glossary

Active map
The map on a card which is in use (multiple maps can be on one SD card).

Active route
Shown as a highlighted yellow or blue line to follow on the map with red arrows between waypoints.

AOI
An Area of Interest. Consists of a series of points making up an area of any size or shape. Can be used to measure an area on a map, mark various areas of interest, or as an alternative to the circular POI warning radius.

Arbitrary reference point (for AOIs/LOIs/Grids)
Automatically generated (set) point within or on an AOI/LOI/Grid. It is used as a reference point in the following instances:
• As a GoTo point
• As a 'POI' in data boxes
• When using the Pointer
• When using the Center on Map button
This reference point can be moved to any new location by using the Edit Location by Map option.

Asc
Abbreviation for ascended height.

Ascents
Positive changes in elevation.

Atomic clock
A type of clock that uses microwave signals emitted by electrons as its timekeeping element. It is the most accurate time standard and is used to control the frequency of GPS satellite signals.

Bearing
Direction from one object to another.

CEP (Circular Error Probability)
Determines the radius of a circle containing 50% of the GPS readings.

Cross Track Error
The difference in distance between a planned route and your location.

Data Box
A white overlay box that appears in the lower half of the map screen. Shows customized information about your trip, environment and map objects. Available as a 2 or 4 box layout.

Descents
Negative changes in elevation.

EGNOS
The European Geostationary Navigation Overlay Service has been developed by the European Space Agency (ESA) for safety of air navigation. It is part of the Galileo project. When a signal is available (which is only in the south of England and mainland Europe), this signal improves the accuracy of signals from the GPS system.

Electronic compass
Uses magnetic fields to calculate accurate compass bearings whilst stationary.

ETA
Estimated Time of Arrival. The ETA is calculated from the average moving speed if it is available (see Trip Log). Otherwise the set speed is used. For example if you have no lock but the unit previously recorded an average moving speed which has not been cleared from the trip log, the ETA will be based on this average moving speed.

Explorer
1:25 000 Ordnance Survey map.

Galileo
A planned global navigation satellite system, being built by the European Union and European Space Agency as an alternative for the US Global Positioning System (GPS) and the Russian GLONASS system. The project is expected to be completed in 2013.

Geocaching
An outdoor treasure hunt activity using a GPS to locate hidden containers, (‘geocaches’). Often called a “game of high-tech hide and seek”, coordinates, along with other details of the location, are posted online. Download files onto your computer from geocaching.com and use SatSYNC to import them to the Active 10.
24.00 Glossary

Geotagging
Photos are labeled or ‘tagged’ to show where they were taken. Date/time information from the photos is matched with the location information from the GPS unit. (Use the geotagging application in SatSYNC).

GLONASS
A space-based navigation system comparable to the American GPS system. Developed by the former Soviet Union and now operated for the Russian government by the Russian Space Forces.

GoTo point
A set point which acts as a target. It is on a straight line from your current location and the route (yellow or blue highlighted route with red arrows between current location and GoTo point).

GMT (Greenwich Mean Time)
The local time at the 0 meridian passing through Greenwich.

GPS
The Global Positioning System is the only fully operational Global Navigation Satellite System in the world. Created in the US it utilizes a constellation of 24 Medium Earth Orbit satellites that transmit precise signals. The system enables a GPS receiver to determine its time, location, speed and distance.

GPS ‘compass’
Relies on a GPS signal to determine the direction of travel from two locations and calculate accurate compass bearings whilst moving. Need a GPS lock.

Grid
A group of square-shaped AOIs (Areas of Interest) in a large square/grid formation. Used to split an area into searchable pieces by overlaying a 10 x 10 square grid onto a map (each AOI covering 300m x 300m).

Grid Magnetic Angle
The horizontal angular difference between Grid North and Magnetic North. It is this angle which needs to be applied when converting between magnetic and grid bearings.

Grid North
The direction of a grid line which is parallel to the central meridian on the national grid.

Heading
Direction you are traveling.

Hibernate mode
An ultra low power state giving significantly extended battery life and a rapid satellite acquisition.

Inactive route
Shown as a gray highlighted line on the map (only if you have made it visible).

IOI
An Item of Interest. A non geo-referenced document including digital information saved on the unit that contains no latitude or longitude data. Used to reference instructions, or contain a graphic showing information. Can be created directly on the unit as a simple text description with details of the IOI shown on the description screen.

Knot
One nautical mile per hour.

Landranger
1:50 000 Ordnance Survey map.

LOI
A Line of Interest. Allows you to plot a line consisting of multiple waypoints joined together, instead of a single POI (Point of Interest). Cannot be followed or activated like a route, but used to represent boundaries or alternative routes and to customize your map.

Magnetic North
The direction indicated by a magnetic compass. Magnetic North moves slowly and is currently West of Grid North in Great Britain.

Marker
A red flag on the map from which you can measure distance and bearing from any other point on the map.
24.00 Glossary

Meridian
A line of longitude.

MGRS
Military Grid Reference System, used by NATO countries. It is derived from the UTM grid system but uses a different labeling convention. It does not describe a point, but rather an area.

Mil-radians
The military use mil-radians (short for milli-radians) because breaking down a circle into 6400 mil-radians rather than 360 degrees allows greater accuracy.

Nautical mile
Distance corresponding to one minute of arc of latitude along any meridian, 1852m. A mile (‘statute mile’) is 1609m.

OOI
An Object of Interest. A collective term for all ‘points’ of interest – POI, AOI, LOI Grids, IOI. OOI’s can include rich text and pictures.

Ordnance Survey (OS)
Mapping provider for Great Britain.

POI
A Point of Interest. A point on a map linked to geo-referenced data (latitude/longitude), displaying text or images with information about that point (e.g. hotel, restaurant, viewpoint, historical site, etc).

Primary screens
Six main screens that give you access to the key GPS features: GPS MAP, PLANNING, MAIN MENU, COMPASS, TRIP LOG, GPS STATUS.

Rangefinder
The distance from your location to a given point.

Route
A route is shown on the unit as a series of transparent yellow or blue lines going from waypoint to waypoint (with red arrows between waypoints). A route may be planned either on the unit or on a computer, and it may also be a converted trail (known as a ‘track’).

Satellite
A GPS satellite used by the NAVSTAR (Navigation Signal Timing and Ranging Global Positioning System (GPS). The first satellite in the system, Navstar 1, was launched February 22, 1978.

SD Card
Secure Digital card (1MB – 4GB). SDHC is Secure Digital High Capacity (4GB – 32GB) card, which has a different internal format. In the manual these are also referred to as mapcards since they are pre-loaded with digital mapping.

Soft keys
Buttons with functions that vary depending on the screen displayed.

Target speed
The speed on which Estimated Time of Arrival calculations are based if there is no GPS lock, or there is a GPS lock and you are stationary.

Toggle function
Allows users to select which map they want to view at a particular point without changing the zoom level. Only possible if you have a toggle-enabled map card with map layers of the same area.

Toggleable maps
Map cards that have been toggle-enabled, i.e. contain more than one scale or map type of a particular area, and can therefore be used with the toggle function. Toggle-enabled map cards are available from our website. Older maps can also be converted to enable toggling via the Toggleable Map Service.

Total Ascents
Sum of all the positive changes in elevation.

Total Descents
Sum of all the negative changes in elevation.

Track
A track is a trail that has been converted. It effectively becomes a route (.map file) which can then be exported as a GPX or KMZ file for viewing on online planning software, e.g. Google Earth.

Trail
The path taken, leaving behind a snail trail.
24.00 Glossary

Trail Up
The map is orientated to match the ground ahead of you.

Trip Log
Records trip data.

True North
The direction along the earth’s surface towards the geographic North Pole.

UTC (also GMT and Zulu time)
The worldwide standard for time is coordinated universal time, abbreviated UTC. This was formerly known as Greenwich Mean Time, GMT. UTC is a high precision atomic time standard also referred to by the military and civil aviation as Zulu time (Z). The abbreviation is a compromise between CUT (Coordinated Universal Time) and TUC (Temps Universel Coordonné).

UTM
The Universal Transverse Mercator coordinate system is a grid based method of specifying locations.

VMG
Velocity Made Good is the effective velocity towards a target, after the effects of crosswinds (especially relevant to aircraft), currents (watercraft) and terrain (walkers/cyclists who have planned on walking at a certain speed) have taken effect. It is the forward component of velocity.

WAAS
Wide Area Augmentation System. This is a GPS augmentation system in the U.S. which enhances the accuracy of GPS.

Warning Radius
Distance at which the unit will sound beeps indicating the vicinity of a POI, GoTo point or a route.

Waypoint
Set of coordinates that identify a point on the map and make up a route (‘route points’). Waypoints are usually placed at turns in the path or where the path changes.
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This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.