satmap
way ahead

active 12
TECHNICAL SPECIFICATIONS

Active 12 Features

▶ Toughened, impact resistant ABS casing with all-weather capability

▶ IP65 (dustproof and weather-resistant)
IP67 with the ProSHIELD, the silicon protective case

▶ Bluetooth 4.0 (Smart Ready) enabled - providing Peer-to-Peer data sharing, and Bluetooth Low energy supprt for Heart Rate Monitor and Bike Speed/Cadence sensors.

▶ Barometric Altimeter - for high accuracy elevation and pressure data.

▶ SiRF Star III GPS receiver (12 channel)

▶ WAAS / EGNOS enabled

▶ Integrated high-gain 18mm patch antenna

▶ Custom Microsoft CE operating system

▶ SD card reader for map data – allowing expandable memory (up to 32GB)[1]

▶ Dual function USB 2.0:
• Power input
• Data transfer to/from a computer

▶ 8.7cm / 3.5 in LCD TFT colour HVGA screen (480 x 320 pixels) with variable backlight control

▶ Day/night visible screen with red backlight option for night use

▶ Accuracy down to 1 meter (with EGNOS/WAAS).

▶ Withstands temperatures from -10°C to +60°C (14°F to 140°F)

▶ Built-in Lithium Polymer battery charger

▶ Power source options:
• 3 x AA size standard batteries (recommended: Lithium)
• 2700mAh Lithium Polymer rechargeable battery
• 240v/120v mains supply
• 12v DC vehicle (cigarette lighter)

▶ Interchangeable battery back allowing various ancillary options:
• Bike mount options
• Vehicle mount options

▶ Interchangeable screen covers for added protection

▶ Available in various bundles[2]

Software Features

▶ ARM 9 Processor

▶ 128MB RAM

▶ 512MB Flash Memory[3]

▶ Built-in 2 axis electronic compass / GPS based compass / direction indicator

▶ Various power modes for extended battery life[4]:
• Hibernate mode (100 – 120 hrs)
• Advanced Power mode (16 – 24 hrs)
• Normal Power mode (8-12 hrs)

▶ Screen capture function saves a jpeg of the screen display

▶ Trip log functionality

▶ Customizable performance statistic (viewable live on screen, and download to computer)

▶ Folders and sub-folders allow for organizing OOIs and routes

▶ Transfer of all data (routes, tracks and OOIs) between device and computer

▶ Create, download and upload routes between Google Earth and the Active 12 using SatSYNC[5]

▶ Route and POI transfer between Active 12 units using Bluettoth 4.0. Routes and fitness data stored as GPX and TCX datafiles ready for upload to PC or Mac.

▶ Paperless Geocaching compatible – download coordinates & extra information from geocaching.com

▶ Geotagging compatible – add longitude/latitude information to digital photos

Mapping Features

▶ World base mapping available as standard:
• 1:5 million
• 1:200 million
• (UK) 1:250k OS Road map & Postcode data

▶ Raster topographical mapping from leading international mapping agencies in different scales

▶ New Hi-Res topo mapping for UK and Germany: 600 dpi.

▶ Topographical mapping available on SD cards (up to 32GB)[1]

▶ See where you are on the map using map overlays including:
• 'You are here' icon
• OOI markers
• Route/track information including waypoint names
• Trail data with multiple settings

▶ Built-in route planning functionality

▶ Smooth zoom and pan function

▶ North Up or Trail Up map orientation function (location position can be at the bottom or central to the map)

▶ Create routes, waypoints and OOIs on the unit or import from a computer

▶ In-built selectable POI icons including Geocaching icons.

▶ User selectable position format with Latitude/Longitude and other supported Grid Reference systems

▶ Map toggle capability – switch between different map layers at a particular point on the same zoom level.

▶ Marker function allows calculation of distance between two points on a map.

▶ Data overlay customized settings

[1] Memory limited by capacity of SD cards
[2] Please refer to satmap.com or visit our retail partners
[3] Excludes base mapping
[4] Using AA Lithium batteries
[5] Free download available from satmap.com

Unit Dimensions
7.5cm x 13cm x 3.5cm
(3 in x 5.1 in x 1.4 in)

Unit weight
175g / 6.2 oz
(excluding batteries)

Display size
8.7cm / 3.5 in

Display resolution
480 x 320 (HVGA)

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SiRF III GPS

GPS Lock

Lanyard Point

Insert SD Card

Location Icon

Trail Taken

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 *(Full User Guide)*.

Bluetooth Icon

Toggle Icon

Battery Indicator

Replaceable Screen Cover

Backlight Boost

On/Off

Stop/ Record Icon

Planning Icon

8.7cm / 3.5 in Sunlight Readable HVGA Screen

Weatherproof, Toughened Impact Casing

9 Function Joystick

Mini USB

Lanyard Point

Lock/ Unlock

Removable Battery Back
Can be replaced with a Battery Back for mounting on a bike or in a car.

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

PLANNING
Applethwaite Ghyll Weir
Ormathwaite
Map scale (1:13,987)
0   100m

- Maps sold on SD cards, covering different countries, regions, hot spots.
- Custom maps to suit every need available directly from Satmap.
- Only mapping provided by Satmap is compatible with the unit, but a majority of routes and POIs created on third-party tools are also compatible with the unit.

Please note: All details are correct at time of writing; however Satmap Systems reserves the right to alter the technical specification without notice prior to full product launch. Products supplied prior to the date of this may vary.

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