

## GPS

Look at the sky and navigate! That was the trick used by the explorers in the old days – and it is equally valid today but instead of using the stars we now use the satellites!

GPS has brought a completely new dimension to navigation on land and at sea. You know where you are, you know where and how far to go and on top of it you get a lot of other useful information to make your navigation safe and accurate.

Our product range holds three different models where the ATLAS and ATLAS Pro, with mapping options for both land and sea, are the “urban navigators” and the Multi-Navigator is the off-road, hardcore, navigator for the extreme users who know that mistakes and instrument failures in the toughest of conditions is simply not an alternative. Let us show you the way on your adventure!

## ADC - ATMOSPHERIC DATA CENTER

Instruments that provide essential environmental data such as wind, temperature, barometric pressure altitude etc. Compact, water proof and light-weight makes the ADC a natural partner on all outdoor activities.

## PORTABLE POWER

Utilise free power! The environmental friendly Solar I and Solar II will provide power for your portable electronics when you are “out there”. Imagine that your cell-phone is running out of batteries...or your GPS, or your digital camera, or your headlamp, or your MP3 player or...

**SILVA**  
Get out there™



# ATLAS PRO GPS

Sea Chart  
Compatible!



Art.no. 22586-901

**No matter if you are in the outdoors, at sea, or if your main goal is to find a street in a city, the Atlas™ PRO will guide you to the correct destination.**

- Unique Easy/Advance mode makes it simple to get started no matter if you are a beginner in the GPS navigation field.
- Pre-programmed mapping data-base covering the US with highways, rivers and lakes at your fingertips. It also has a built-in, low detail, world background mapping data-base.
- Plug in one of a variety of Atlas Info™ MMC cards or Navionics® sea charts (both optional) that represent your region and the resolution gets amazing! Recall addresses and phone numbers of restaurant etc. Find points of interest, such as attractions, airports, cultural, lodging, shopping etc. Navigate safely at sea with all necessary information available on the Navionics® sea charts.

## TECHNICAL DATA ATLAS PRO GPS

### Navigation

**Waypoints:** 1 000 Waypoints

**Waypoint icons:** 42 symbols

**Event markers:** 1 000

**Routes:** 10 reversible routes, each with up to 100 waypoints. Easy point and map cursor navigation/route planning.

**Plot trails:** 10 trails, max 10 000 trail points.

**Unique "Find Home" navigation**

**Map datums:** More than 170 local map datums

**Grid systems:** More than 10 including UTM, MGRS, plus, British, Irish, Finnish, German, New Zealand, Swedish, Swiss, Taiwan, Greek.

### Mapping

**Built in maps:** US road map. Low detail world map.

**Atlas Info cards:** High detail mapping including points of interest (attractions, airports, cultural, entertainment, lodging, shopping etc) MMC1-Germany, MMC2-France/Monaco, MMC3-UK/Ireland, MMC4-Denmark/Norway/Sweden/Finland, MMC5-Italy/Liechtenstein/San Marino/Switzerland, MMC6-BelLux, MMC7-Spain/Andorra/Portugal, MMC8-Czech/Poland/Austria

**Navionics®:** Compatible with all Navionics® MMC card sea charts

**Zoom range:** Multiple zoom ranges: 0,02km-4000m

### GPS-Receiver

**Receiver type:** 12-channel parallel GPS + WAAS

**Position update rate:** 1 per second when in continuous GPS navigation mode, down to 10 seconds update rate in power save mode.

**Differential GPS/WAAS:** Ready for differential corrections/WAAS.

**Antenna:** Built-in patch antenna, connection for external antenna.

**Accuracy:** Normally better than 10 meters. (Down to 3 meters with WAAS in the US)

### Data I/O

NMEA 0183 Out

RTCM-SC104 DGPS Input

### Miscellaneous

**LCD:** High contrast backlit LCD, 4 level grey scale

**LCD Resolution:** 180 x 240 Pixels, 43 200 total.

**Internal power:** 2 AA batteries (not included)

**External power:** 8-30 VDC

**Battery life:** Continuous GPS navigation – Up to 12 hours  
Power save GPS navigation - Up to 20 hours

**Languages:** English, French, German, Spanish, Italian, Danish, Swedish, Russian, Dutch & Finnish

**Operating temperature range:** -10°C to +60°C

**Waterproof:** IPX7

### Dimensions

**Size:** 146x65x30 mm

**Weight:** 200 g (excluding AA batteries)

**Article number:** 22586-901

### Optional accessories

Vehicle kit ATLAS (incl. cradle, RAM mount) – Art.no. 22605

Black holster ATLAS – Art.no. 22606

Atlas, Atlas Pro Remote antenna – Art.no. 22607

Atlas Cig Plug Power Adapter – Art.no. 22613

Atlas PC Data cable w/cig plug – Art.no. 22611

Atlas PC Data cable w/o cig plug – Art.no. 22612

Cradle separate ATLAS – Art.no. 22603

### Warranty

1 year limited warranty

# ATLAS GPS



Art.no. 22581-901

**No matter if you are in the outdoors or if your main goal is to find a street in a city, the Atlas™ will guide you to the correct destination.**

- Unique Easy/Advance mode makes it easy to get started no matter if you are a beginner in the GPS navigation field.
- Pre-programmed mapping data-base covering the US with highways, rivers and lakes at your fingertips. It also has a built-in, low detail, world background mapping data-base.
- Plug in one of a variety of Atlas Info™ MMC cards (optional) that represent your travel region and the resolution gets amazing! You can recall addresses and phone numbers of your favourite restaurants and points of interest, such as attractions, airports, cultural, entertainment, lodging, shopping etc not to mention every back road on the map.

## TECHNICAL DATA ATLAS GPS

### Navigation

**Waypoints:** 1 000 Waypoints

**Waypoint icons:** 42 symbols

**Event markers:** 1 000

**Routes:** 10 reversible routes, each with up to 100 waypoints. Easy point and map cursor navigation/route planning.

**Plot trails:** 10 trails, max 10 000 trail points.

**Unique "Find Home" navigation**

**Map datums:** More than 170 local map datums

**Grid systems:** More than 10 including UTM, MGRS, plus, British, Irish, Finnish, German, New Zealand, Swedish, Swiss, Taiwan, Greek.

### Mapping

**Built in maps:** US road map. Low detail world map.

**Atlas info cards:** High detail mapping including points of interest (attractions, airports, cultural, entertainment, lodging, shopping etc) MMC1-Germany, MMC2-France/Monaco, MMC3-UK/Ireland, MMC4-Denmark/Norway/Sweden/Finland, MMC5-Italy/Liechtenstein/San Marino/Switzerland, MMC6-BelLux, MMC7-Spain/Andorra/Portugal, MMC8-Czech/Poland/Austria

**Zoom range:** Multiple zoom ranges: 0,02km-4000m

### GPS-Receiver

**Receiver type:** 12-channel parallel GPS + WAAS

**Position update rate:** 1 per second when in continuous GPS navigation mode, down to 10 seconds update rate in power save mode.

**Differential GPS/WAAS:** Ready for differential corrections/WAAS.

**Antenna:** Built-in patch antenna, connection for external antenna.

**Accuracy:** 15 metres RMS. 1-5 metres RMS with DGPS/WAAS

### Data I/O

NMEA 0183 Out

RTCM-SC104 DGPS Input

### Miscellaneous

**LCD:** High contrast backlit LCD, 4 level grey scale

**LCD Resolution:** 120x160 Pixels, 19 200 total.

**Internal power:** 2 AA batteries (not included)

**External power:** 8-30 VDC

**Battery life:** Continuous GPS navigation – Up to 12 hours

Power save GPS navigation - Up to 20 hours

**Languages:** English, French, German, Spanish, Italian, Danish, Swedish, Russian, Dutch & Finnish

**Operating temperature range:** -10°C to +60°C

### Dimensions

**Size:** 142x65x25 mm

**Weight:** 153 g (excluding AA batteries)

**Article number:** 22581-901

### Optional accessories

Vehicle kit ATLAS (incl. cradle, RAM mount) – Art.no. 22604

Black holster ATLAS – Art.no. 22606

Atlas, Atlas Pro Remote antenna – Art.no. 22607

Atlas Cig Plug Power Adapter – Art.no. 22608

Atlas PC Data cable w/cig plug – Art.no. 22609

Atlas PC Data cable w/o cig plug – Art.no. 22610

Cradle separate ATLAS – Art.no. 22602

### Warranty

1 year limited warranty



Learn more about Atlas by watching the movies at [www.silva.se](http://www.silva.se)



### Cig Plug Power Adapter

Art.no. 22613 for Atlas Pro  
Art.no. 22608 for Atlas



### Remote Antenna

Art.no. 22607



### Vehicle Kit

Art.no. 22605 for Atlas Pro  
Art.no. 22604 for Atlas



### Holster

Art.no. 22606



### Atlas Info card

High detail mapping including points of interest (attractions, airports, cultural, entertainment, lodging, shopping etc)  
Art.no. 22601-1 - 22601-8



Navigation Information



Detailed mapping



Position information



# MULTI-NAVIGATOR

Art.no. 21802-9 (yellow)  
Art.no. 21802-901 (grey)



**The Multi-Navigator™ tells you not only where you are but also where, when and why to go.**

The Silva Multi-Navigator has been designed to perform in extreme conditions. Being able to operate down to -25°C is no good if the buttons are too small to operate with gloves on. Being able to operate under tree canopy is no good if you can't receive the satellite signals. Having an illuminated LCD is no good if the buttons are not illuminated. The Silva Multi-Navigator is a high performance navigation instrument. It works because it is functional. You can't play games on it because life is not a game.

**Information whenever you need it** - Big, high contrast LCD with backlight means you can get information instantly, in poor light, in a blizzard, in a sandstorm or at night.

**Information wherever you need it** - The powerful receiver makes reception possible in areas and conditions where others may fail.

Battery life or death. Battery longevity can mean the difference between life and death. The Silva Multi-Navigator includes an electronic compass and is so frugal with power you can navigate for up to 150 hours on just two AA batteries.

**The one button GPS** - Most people will use their GPS for finding their way back to where they started. We've made it as simple to do as it sounds. Press a button once to automatically store and display your "home" position. That's it. Pure and simple.

**Intellicompass** - Intelligent Electronic Compass Navigation. The Silva Multi-Navigator features a built in electronic compass that works in the same way as a traditional compass by detecting the Earth's magnetic field. It uses extremely low power and will function stationary and on the move. It automatically compensates for the local magnetic declination to give a true compass direction, every time. Just two AA batteries will provide navigation for up to 150 hours. Highly accurate Altimeter. If you're going high, you need to know how high. Measurement of Altitude by GPS is only accurate to plus or minus 30 metres. The Silva Multi-Navigator has an on-board altimeter which is accurate to within 1 metre.

**Forward thinking Barometer** - Knowing where to go is one thing, knowing when is another entirely. By tracking and recording the barometric pressure the Multi-Navigator is able to provide a weather forecast, enabling you to avoid walking into a storm.



Learn more about the Multi-Navigator by watching the movies at [www.silva.se](http://www.silva.se)



GPS navigation with clear, directional information. Store up to 1000 waypoints in 10 routes.



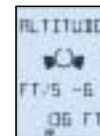
12 Channel GPS Receiver shows position.



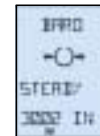
Home at the touch of a button. Finding your way back is as easy as pressing a single button, essential in an emergency.



Electronic compass with one-degree resolution cardinal and inter-cardinal points.



Altimeter detects differences down to 1 metre.



Weather forecast in 5 levels from 'Sunny' to 'Stormy'.

## External battery cable

Need continuous navigation for hours and hours? With this cable and a rechargeable Ni-MH headlamp battery (see headlamp section) you have the solution!

Art.no. 21120



## Vehicle Kit

Mounting bracket and a 12V-power cable with cigarette lighter adapter for

use in a 4WD, ATV, snowmobile, balloon etc.  
Art.no. 21930-1



## TECHNICAL DATA MULTI-NAVIGATOR

### Navigation

**Waypoints:** 1000 Waypoints

**Routes:** 10 reversible routes, each with up to 100 waypoints

**Area calculation:** Calculates the area in hectares/acres "inside" a route.

**Track logging:** 5000 trackpoints. Automatically records your trip and stores it for display using in a compatible PC software

**Map datums:** More than 100 local map datums

**Grid systems:** More than 10 including UTM, MGRS, plus Swiss, Australian, New Zealand, Netherlands, Irish, Finnish, Taiwan, Swedish and UK grids

### GPS-Receiver

**Receiver type:** 12-channel parallel

**Position update rate:** 1 per second when in continuous GPS navigation mode

**Differential GPS:** Ready for differential corrections. (RTCM-SC104)

**Antenna:** Built-in patch antenna

**Accuracy:** 15 metres RMS. 1-5 metres RMS with DGPS

### Electronic compass

**IntelliCompass™:** Automatic compensation for Earth's local magnetic declination

**Accuracy:** Better than 3 degrees

**Resolution:** 1 degree

### Altimeter

**Altitude:** -700 m to +9200 m

**Accuracy:** Down to 1 metre assuming it is correctly calibrated

**Resolution:** 1 metre

### Weather station - Barometer

**Forecast:** Shows forecast for 12 hours ahead as: Sunny, Partly cloudy, Cloudy, Rainy and Storm Warning

**Barometric pressure range:** 300-1100 hPa/mbar

**Barometric history:** Pressure changes over the last 36 hours

**Accuracy:** +/- 1.5 hPa

### Data I/O

NMEA 0183 Out

Nexus PP Proprietary protocol

RTCM-SC104 DGPS Input

### Miscellaneous

**Internal power:** 2 AA batteries (not included)

**External power:** 6-28 VDC

**Battery life:** Typical compass navigation – Up to 60 days\*\*

Typical compass/GPS navigation – Up to 100 hours\*\*\*

Continuous GPS navigation – Up to 10 hours

**Languages:** More than 10 (including English, French, German, Spanish, Portuguese, Italian, Dutch, Swedish, Estonian, Czech, Norwegian, Finnish and Hungarian)

**Operating temperature range:** -25°C to +70°C

\*\*=15 seconds every 5th minute. Continuous barometer logging.

\*\*\*= GPS position update every 30th minute, compass 15 seconds every 5th minute. Continuous barometer logging.

### Dimensions

**Size:** 170x61x30 mm

**Weight:** 254 g (including batteries)

### Standard accessories

Wrist strap

Interactive neoprene carrying case

### Warranty

2-years

### How does the GPS System work?

The Global Positioning System is based upon 24 satellites that circle around the Earth. By receiving the signals from the satellites, the GPS receiver can calculate its position with an accuracy of down to a few metres. The GPS receiver needs to receive signals from at least 4 satellites simultaneously in order to calculate a position. The system works no matter where on Earth you are, 24 hours a day, 365 days a year.

### Why should I buy a GPS?

A GPS is a valuable aid to navigation and in some situations, could prove essential to those who need precise POSITION, DIRECTION, ALTITUDE, SPEED and MAPPING information. Using a GPS makes navigation even more interesting and fun. It also makes it much safer for all concerned.

### What kind of GPS should I buy?

For "urban navigation" we recommend one of the ATLAS products where you have the possibility to utilise the maps on the MMC cards (optional). For boat owners we recommend the ATLAS Pro which can be used with Navionics® sea charts.

If you are a true outdoor user, with demands of functionality in extreme temperatures, under tree coverage and in extreme wet and snowy environments the Multi-Navigator™ is the perfect choice.

### Can I use a GPS indoors, or in a car?

The GPS receiver needs to be in contact with the satellites in the sky and does not normally work indoors. However, in a car, where the GPS signal can travel through the windows, it normally works fine. Remember though, that the GPS always works best with a clear view of the sky.

