



THE GPS COMPASS SYSTEM FOR ANTENNA POINTING

3011 Mobil+

The Thales Navigation GPS Advantage

The Compass 3011 Mobil+ from Thales Navigation is a one receiver two antennas system for easy, fast and accurate mobile antenna pointing.

With the patented GYROSKY technology the Compass 3011 Mobil+ requires only one GPS receiver to process the data of two antennas and to determine the azimuth with a 0.5° accuracy. Unlike a conventional compass the 3011 Mobil+ delivers high accuracy even in a magnetic environment.

A Turnkey Solution for your Application

The 3011 Mobil+ system includes one GPS receiver, two GPS antennas fixed on a specially designed mobile antenna mounting bracket, a pocket PC and PC software. The data is transmitted via Bluetooth and therefore wireless.

The software allows you to collect antenna position and pointing data.

The complete survey data is recorded in a file which provides proof for the accuracy of your work. The 3011 Mobil+ is an easy-to-set-up system. You just connect one antenna cable and your system is ready to go.



Rugged but Lightweight

The antenna mounting bracket is designed to be fixed with one hand, and can be used with all current wireless mobile antennas. The rugged field bags meet the requirements of the tough working conditions of an antenna fitter.

The 3011 Mobil+ has been developed in co-operation with one of the largest telecommunication network companies.

Standard Features

12 independent GPS and
4 WAAS/EGNOS channels
L1 C/A Code full wavelength carrier
Gyrosky Technology for dual
antenna acquisition with one cable
and for fast non-ambiguous azimuth
determination

Receiver

Accuracy¹

Horizontal position
3.0 m
Vertical position
5.0 m
Azimuth
0.5°

Communications (Interfaces)

1 RS232 port
2 RS422 ports
1 Event Input (TTL compatible)
1 RS422 1PPs output
1 VGA output
Baudrate between 12200 Bps
and 115200 Bps
Protocol NMEA 183 Version 3.0

Environmental Characteristics

Operating temperature
-20°C to +55°C (-4° F to 131°F)
Storage temperature
-40°C to +70°C (-40°F to 158°F)
Weather
Watertight Ip42
Size
264 x 64 x 215 mm
(10.39" x 2.51" x 8.66")
Weight
1.8 kg (4.19lb)

Power Characteristics

Battery type
External Li-ion battery 6000 mAh
Battery life
Li-ion battery at 25° C (77°F) up to 4
hours
Battery charger
2 charging points
Automatic switch-off after batteries
have been charged

Charging time 4 hours

Pocket PC

Refer to separate data sheet for details

PocketPC Software
Intel® PXA250 Application
for Microsoft PocketPC
2002 or later

Software Features

Communication
with GPS receiver via
Bluetooth module
Serial cable

Logging of
position data
company information
Electronic and mechanical down-tilt

Calculation recording
Input of set angle
View of actual angle and delta angle
Fine calculation
Automatic result storing

(Software also available as office version)

Standard System Accessories

- 1 GPS receiver
- 2 GPS antennas
- 1 PocketPC (presently FS PocketLoox)
incl. battery, docking station and USB cable
- Bluetooth data transfer module
- Serial data cable
- Mobile antenna mounting
- GPS antenna mounting
- 2 Padded field bags
- 2 AA Li-ion batteries
- 1 Battery charger for Li-ion battery



Location and company data



Downtilt – Input



Azimuth input and pointing



Fine calculation and data saving

Thales Navigation

Corporate Headquarters, Santa Clara, CA, USA
+1 408 615 5100 • Fax +1 408 615 5200
Toll Free (Sales in USA/Canada) 1 800 922 2401
Email professionalsales@thalesnavigation.com
In Washington, DC +1 703 476 2212 • Fax +1 703 476 2214
In South America +56 2 234 56 43 • Fax +56 2 234 56 47
In China +86 10 6566 9866 • Fax +86 10 6566 0246
European Headquarters, Carquefou, France
+33 2 28 09 38 00 • Fax +33 2 28 09 39 39
Email professionalsalesemea@thalesnavigation.com
In Germany +49 81 6564 7930 • Fax +49 81 6564 7950
In Russia +7 095 956 5400 • Fax +7 095 956 5360
In UK +44 870 601 0000 • Fax +44 208 391 1672
In the Netherlands +31 78 61 57 988 • Fax +31 78 61 52 027
Web site www.thalesnavigation.com

Thales Navigation follows a policy of continuous product improvement: specifications and descriptions are thus subject to change without notice.
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¹ Accuracies assume minimum of 5 satellites, following the procedures recommended in the product manual. High-multipath areas, poor satellite geometry, and periods of high-activity atmospheric conditions will degrade accuracy.