NAVMAN

Jupiter GPS receiver module

Development kit: Quick start guide

(TU10-D007 series)

Related products

Jupiter 11 (low power)
- Development kit TU10-D007-051

Jupiter 11 (standard 5 V)
- Development kit TU10-D007-061

Jupiter 11 DR (dead-reckoning)
- Development kit TU10-D007-101

Jupiter 12 (standard)
- Development kit TU10-D007-351

Jupiter 12 DR (dead-reckoning)
- DR Development kit TU10-D007-352

Jupiter T (timing)
- Development kit TU10-D007-121

Jupiter Pico (standard)
- Development kit TU10-D007-361

Jupiter Pico T (timing)
- Development kit TU10-D007-362

Related documents

Jupiter 11
- Product brief LA010038
- Data sheet LA010049

Jupiter 12
- Product brief LA010040
- Data sheet LA010065

Jupiter T
- Product brief LA010039
- Data sheet LA010050

Jupiter Pico (and Pico T)
- Product brief LA010041
- Data sheet (Pico) LA010066
- Data sheet (Pico T) LA010093

Jupiter series (11/12/Pico)
- Development kit: Guide LA010089
- DR receiver: Gyro application note LA010090
- Designer's guide MN002000
- Labmon application note LA010103

Jupiter GPS receiver module development kit (TU10-D007 series)

This document is designed to provide you with the necessary information to connect and use Navman Jupiter GPS receivers. Just follow the simple steps outlined below:

1. When using the 5 V pre-amp antenna (supplied) with the GPS receiver development unit, first check that the configuration switch settings on the front panel of the unit are as shown below:

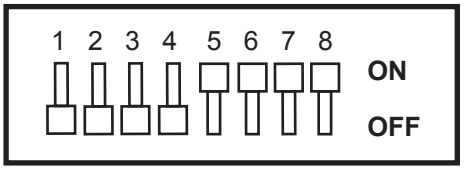

Figure 1. Configuration switch default positions

2. Connect the antenna, power supply and a serial cable to the communications port on the PC.

Note: do not apply power to the development unit until the software is loaded on the PC.

3. Install the software for the PC.

The development kit includes a CD containing:

- Labmon (runs on Windows)
- product support documentation in 'PDF' format, including product brief, data sheet etc.

Note: instructions for using the Labmon software are contained on the CD.

4. Once the PC is configured with the software, connect power to the GPS development unit and switch it on.

- There is a row of green LEDs on the front of the development unit—the one marked 'Power' should be illuminated after power is supplied to the unit.
- The time mark LED should flash approximately once per second. If the time mark LED is not flashing, consult the product data sheet to confirm jumper locations for voltage settings etc.

5. The GPS receiver should be operational and functioning at this time.

6. The standard default data communications protocol and communication data speed is:

- Jupiter series (std)—Navman binary messaging protocol @ 9600 BPS, N, 8, 1
- Jupiter series DR —Navman binary messaging protocol @ 19200 BPS, N, 8, 1
- Jupiter series T —Motorola binary messaging protocol @ 9600 BPS, N, 8, 1

If any problems are encountered, or for further information, questions, or comments on the Navman GPS products, please refer to the Parts List / Welcome Letter included with this development kit for addresses and phone numbers of Navman representatives that are available to assist you.

Thank you for your interest in Navman GPS receiver products.