



Jupiter 21

Technical note

Using Jupiter 21 with Jupiter Development kit Variants

Related Documents

- Jupiter 21 Development kit Guide LA000572
- Jupiter 21 Product brief LA000515
- Jupiter 21 Data Sheet LA000516
- Low Power Operating Modes application note LA000513
- Navman NMEA reference manual MN000315
- SiRF Binary Protocol reference manual

Using the Jupiter 21 with the Jupiter Development kit variants

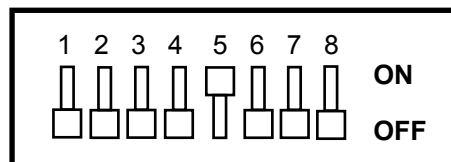
This technical note describes the modifications required to your existing Jupiter development unit to make it compatible with the Jupiter 21 GPS receiver module.

Note that the default baud rate of the Jupiter 21 is 4800 NMEA.

Summary of modifications

Development kit part number	Originally used with	Changes required for Jupiter 21
TU10-D007-061	Jupiter 11	1 and 2 below
TU10-D007-351	Jupiter 12	1 and 2 below
TU10-D007-121	Jupiter T	1, 2 and 3 below
TU10-D007- 361, TU10-D007-362	Jupiter Pico	1, 2 and 3 below
TU10-D008-001	Navman Callisto	1 and 2 below
TU10-D007-400 series	Jupiter 20	1 and 2 below

1. Configuration DIP switch settings



Example of the configuration DIP switch

- DIP switch 3 **must** be OFF when using the Jupiter 21 unless loading new firmware.
- If using a through-hole variant of the Development unit (with DIP switch at the rear) ensure that DIP switch 6 is ON. This turns on the RTC (battery) backup.
- Switch 5 must remain ON.

2. Internal DIP switch settings (where applicable)

Switches 1, 2 and 4 must be OFF. Switch 3 must be ON.



3. Adapter board replacement

Remove the adapter board from inside the development unit. Connect a 20-way ribbon cable (female to female) from the 20-pin header to the Jupiter 21 module.

The ribbon cable is a one-to-one with no crossovers.

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