

Product Marketing Update

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11 March 2005



Z-Max

New GSM Antenna

Product concerned

Product Names:

Z-Max with GSM Communication module

Product Family:

Land Survey**1. PROBLEM / ANOMALY**

Some users reported poor GSM performance with their Z-Max system operating in weak GSM coverage area. The poor performance of the Z-Max GSM reception in such an environment comes from the fact that the current GSM antenna is not optimized for all GSM networks around the world.

2. SOLUTION

THALES Navigation introduces a new GSM antenna for Z-Max surveying system. Each Z-Max will now be delivered with 2 antennas covering different frequency bands :

- a **BLACK** antenna covering the 900 and 1900 bands (GSM/PCS); typically for operation in the USA and Canada
- a **GREY** antenna covering the 900 and 1800 bands (GSM/DCS); typically for operation in Europe.

For other area, select the appropriate antenna depending on your telecom service provider. The operator can easily exchange one antenna by the other.

3. CUSTOMER NOTIFICATION

All customers / channels will receive this Product Marketing Update.

4. PART NUMBER MODIFICATION

The introduction of this new antenna modifies the part number for the module item only :

- GSM-only module : was 800964-02, now is 800964-11
- TnRadio+GSM module : was 800964-07, now is 800964-12
- PacCrestRadio+GSM module : was 800964-10, now is 800964-15

Part number of higher level items **DO NOT** change :

- TNRadio+GSM Communication kit : 800989-10 (30 or 50)
- RTK Rover TN UHF+GSM : 990551-10 (30 or 50)
- RTK Rover GMS : 990552-1

All orders of module using the old reference will be automatically translated into the new reference.

5. INSTALLATION ON NEW UNITS

Starting 11 March 2005, all new GSM-equipped Z-Max units will be shipped with the new GSM antenna.

6. RETROFIT

Retrofit of existing GSM Communication module cannot be performed by the customer.

Starting 11 March 2005, all GSM modules returned for repair will be retrofitted by THALES Navigation. This operation cannot be performed by the customer.

Customers can send their GSM Communication module only for retrofit for a cost of €250.

Contact your local reseller or our website (www.thalesnavigation.com) for more information.