

Determining 3G Router Firmware Requirements

3G MR250 and DR250 only

Introduction

Most of the MR-250 and DR-250H0A or DR-250HPA routers have the Novatel 3G wireless card installed. Since July 2008 these routers have also been supplied using Globetrotter 3G wireless cards. This change means different hardware which is shown on the product label but also different firmware and config files are required.

Check Label

The simplest method is to look at the product label in the left hand corner (see highlighted area) and check the last letter against the list below:



- A or B - Novatel firmware required
- C or E- Globetrotter firmware required

Software Commands

It is always best to check from software for the actual type of installed card. There are many ways to check but these are the three main options:

- Power up the router and look at the Eventlog from the management web page or using the serial command `type eventlog.txt` and within the text there will be a reference to either Novatel or Globetrotter
- Type the command `nodemstat ?` from either Execute a command in the management web page or using a serial connection and the Manufacturer will show either Novatel or Option N.V. for Globetrotter
- Type the command `usb show` from either Execute a command in the management web page or using a serial connection and the type of card installed (Novatel or Globetrotter) will show on one of the USB connections.

Once the type of card has been determined then the correct firmware can be loaded. The firmware is clearly labelled as being for a Novatel or Globetrotter type of router.

Config Files

There is a small difference between the way the Novatel and Globetrotter cards are configured and because of this it is not possible to take the config.fac, config.da0 or config.da1 files from a Novatel router and use them in a Globetrotter router or from Globetrotter into a Novatel router without making the change listed below in the routers config files:

MR-250 Novatel	MR-250 Globetrotter
modemcc 0 info_asy_add 5	modemcc 0 info_asy_add 6

DR-250 Novatel	DR-250 Globetrotter
modemcc 0 info_asy_add 8	modemcc 0 info_asy_add 9