## Adding a New Antenna Type to the N71 Reference Receiver

- By: Mark Silver, ms@igage.com
- Date: 5 December, 2012
  - 1. Navigate to the Trimble GNSS-Inertial BD970 page: <u>http://www.trimble.com/gnss-inertial/bd970.aspx?dtID=support</u>
  - 2. Download the latest version of the BD9xxConfigToolbox (top link)
  - 3. Unzip the tool and install.
  - 4. Connect your N71 reference receiver to the serial port on your PC.
  - 5. Run the "Configuration Toolbox": Start, All Programs, Trimble, Configuration Toolbox, Configuration Toolbox.
  - 6. In the toolbox, click on "File: New: BD950"
  - 7. Choose these options:

Configuration File		
<u>C</u> ontents: File	File	(1 of 1)
1.10	Modified: December 05, 2012 08:33PM	
	For: BD950	
	Settings should be	
	Applied immediately	
	Stored in receiver	
Add Remove	C As untitled	
	C As auto power up file	
Available:	Beset to defaults before applying	
Serial Reference Logging SV Enable Output		
	IransmitSaveClose	Help

- 8. In the 'Available' area, choose and click on 'Antenna'.
- 9. Click the 'Add' button.
- 10. In Group, select 'All'; next in Type choose the new antenna definition you wish to add:

Configuration File	×
<u>C</u> ontents:	Antenna (2 of 2)
Antenna	Group:
	Type: 701945E_M w/Snow Dome
Add <u>R</u> emove Available: Reference Logging SV Enable Output Device	Method: Bottom of antenna mount
	Measured height (m): 0.000
	True vertical height (m): 0.110
Static 🕑	<u>I</u> ransmit <u>S</u> ave Close <u>H</u> elp

- 11. Click on 'Transmit', the configuration tool will transmit the new antenna type to the N71 reference receiver.
- 12. If all went well, you will see:

Configuration Toolbox		
(į)	Application file successfully transmitted to receiver.	
	(OK	

13. Now you can log onto your receiver via the web interface and click on the (left-hand-side) "Receiver Configuration", "Antenna". You will see the new antenna type, preselected:

Trimble - 2012-12-06T03:41: X				
← → C ♠ 🗋 192.168.0	0.101	☆ =		
<b>Trimb</b>	<b>e</b> .	<b>BD970</b> SN: 1417015025		
	Antenna Configuration	•		
	Antenna Type 701945E_M w/Snow Dome 💌			
Receiver Status 🔶	RINEX Name ASH701945E_M SNOW 🔽			
Satellites	Antenna Serial Number			
Receiver Configuration	Radome Serial Number			
Summary	Antenna Measurement Method Bottom of antenna mount			
Antenna Reference Station	Antenna Height [m] 0.000			
Tracking Correction Controls Position General	OK Cancel			
Application Files				
Reset Default Language VO Configuration				

If you want to add an antenna that is not in the 'Configuration Tool' list, this procedure will not help you.

Good luck!