

## Carlson BRx5 nL400 Radio Compatibility Modes

To use an External Satel base radio first Restore Factory Default settings.

On the Satel radio – there are only two parameters to change: compatibility mode and channel spacing. Program the Satel radio for Option 2, Pacific Crest compatibility mode, (GMSK Modulation).

<b>S320 n/L400 radio Mode</b>	<b>Satel Compatibility Mode SL@S</b>	<b>Satel Channel Spacing SL&amp;W</b>	<b>Description of mode</b>
PC1	2	25 kHz	Pac Crest Compatible mode, GMSK, 9600 link rate, FEC ON, Scrambling ON
PC5	2	12.5 kHz	Pac Crest Compatible mode, GMSK, 4800 link rate, FEC ON, Scrambling ON
TRIMTALK1	3	12.5 kHz	Trimble TrimTalk compatible mode, 4800 link rate
TRIMTALK2	3	25 kHz	Trimble TrimTalk compatible mode, 9600 link rate

### **Other mode information for general compatibility:**

PC1 - GMSK, 9600 baud, FEC ON, 25kHz, Scrambling ON  
PC3 - GMSK, 9600 baud, FEC OFF, 25kHz, Scrambling ON  
PC5 - GMSK, 4800 baud, FEC ON, 12.5kHz, Scrambling ON  
PC6 - GMSK, 4800 baud, FEC OFF, 12.5kHz, Scrambling ON

TrimTalk1 - TrimTalk 450S, GMSK, 4800 baud, 12.5kHz  
TrimTalk2 - TrimTalk 450S, GMSK, 9600 baud, 25kHz

Microhard nL400 configurability for Trintalk modes:

#### TRIMTALK1

AT&F2  
ATS158=0 (FEC Off)  
ATS103=3 (4800 link rate)  
ATS125=1 (occupied BW 12.5kHz)  
ATS186=2 (Trimble mode)

#### TRIMTALK2

AT&F2  
ATS158=0 (FEC Off)  
ATS103=5 (9600 link rate)  
ATS125=2 (occupied BW 25kHz)  
ATS186=2 (Trimble mode)