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Approved: Chris Samios	Date: 9/15/05	Title: ACU RADIO APPLICATION NOTES					
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Codan NGT Mobile HF Transceiver **APPLIES TO:** 

#### **RADIO MODIFICATIONS:**

No modifications are required, however the junction box must be used as the cable connects to the junction box.

**RADIO PROGRAMMING:** None required.

## **RADIO CONTROLS:**

1. Ensure that Easitalk (a Codan integrated noise reduction) feature is enabled. It is enabled by default.

2. Ensure volume is about mid range.

# **CABLING:**

Standard ACU-1000 and ACU-T Interface cables are made up of a 2 foot TRP Radio Tray Interface cable and the appropriate 13-foot Extension cable.

ACU-1000 Interface Cable	JPS P/N 5961-291304	(5961-271304 + 5961-261002-00)
ACU-T Cable	JPS P/N 5961-281304	(5961-271304 + 5961-281013-00)
TRP-1000 Shelf Interface Cable	JPS P/N 5961-271304	

TRP-1000 Shelf Interface Cable

RF Connector Type NA

### **DSP PROGRAMMING:**

3*	0dBm*
6*	0dBm*
VOX*	
Active Low*	
4*	Flat*
2*	100 ms*
0*	No Delay*
0*	Off*
1*	Med1*
3*	775 ms*
1*	100 ms*
As needed	
	6* VOX* Active Low* 4* 2* 0* 0* 1* 3* 1*

(\* Indicates Default Value)

### **NOTES:**

Most HF radios require the DSP's Squelch Type to be set for VMR (Voice Modulation Recognition). When set for VOX (Voice Operated Xmit), the associated DSP module opens the audio gate and will transmit to any radios in its net when the level is high enough to trigger the threshold. This particular Codan radio has integrated noise reduction that is called Easitalk to prevent constant carrier noise from reaching the DSP module. In that case, a squelch type of VOX is recommended because the radio will squelch the HF noise. If your particular radio produces carrier noise at the RX input to the DSP module, change the Squelch Type to VMR.

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