

UNIVERSAL CONFIGURATION TOOLKIT V2.2.27 RELEASE NOTES

NOVEMBER 2014

INTRODUCTION

American Innovations (AI) is pleased to announce updates to the Universal Configuration Tool (UCT), v2.2.27. This document identifies updates that were implemented in October. If you have any questions, need additional information, or have a comment about this document, contact AI Technical Services at <u>bhtechservices@aiworldwide.com</u>.

Satellite Acquisition

As the UCT goes through the satellite acquisition process, the **Channel State** field on the *Communications Settings* pane displays updates, allowing the user to see how the unit is acquiring a satellite connection.



Figure 1. Channel State Field

The **Channel State** field displays the following messages during the process of acquiring a satellite signal:

Table 1-1. Channel State Phases	
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State	Definition
Evaluating	Terminal trying to establish initial contact with carrier.
Sampling BB	Terminal getting in the queue for a Bulletin Board place with the carrier.
Acquiring BB	Terminal in the Bulletin Board queue; waiting to get in line for a Traffic Channel.



	Table 1-1.	Channel	State	Phase
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State	Definition
Acquiring TC	Terminal has acquired Bulletin Board slot with carrier and is waiting for confirmation of the communication channel from the carrier.
Acquired	Communication channel between carrier and terminal established. Unit it ready to send a packet when it is in this state.

Auto-switch

Auto-switch allows the unit to acquire a new satellite link automatically in the event that the unit loses communication with its current (previously locked) satellite.

The unit can be configured with auto-switch through the *Communications Settings* pane on the main UCT configuration window (Figure 2):



Figure 2. Communications Settings Pane

1 Click *Change* to open the **Config** window (Figure 3):



Eile Iools	Help	
Communications SkyWa Current Satelite ADI Test Packet Transmit	Settings Change >>	Controller Clock Unit Tim Transmission S Transm Repea
Channel State. Signal Strength	Acquiring BB TXS: None	Channels.
1		Channel
Unit Information		Ch 1 (Ana)
Serial No.:	105340	Ch 2 (Ana)
Controller Rev.	V 1.02 Jan 30 2013 15:18:32	
Radio Version:	n/a	Ch 3 (Ana)
Radio ISN:	DCC01078C898	

Figure 3. Change Link

2 Click **Yes** to set the auto-switch mode (Figure 4).

ile Tools Help					
Comunications Setting: Change 22 SkyWave Cutert AORW (Atlantic West) Test Packet Acknowledgement received Transmit	Controller Clock Unit Time: [Transmission Sched Transmit: [Repeat: [Change 22 D7:32 dule <u>Change 23</u> 07:16:00 24 Hours			
Channel State: Acquiring BB TXS: None	Channels			Update	Auto Update
ignal Strength 23.1 dB	Channel Al	larms & Filters	Input	Current Read	Accumulator
Init Information	Ch 1 (Ana)	Pers	Vm 000.0	2.50 DC_AMPS	
erial No.: 105340	Ch 2		23	50.00 Volts	***
Controller Rev: V 1.02 Jan 30 2013 15:18:32 Radio Version: n/a	Ch 3 Set unit t	to auto-switch?		0.00 mV	
JWI ISN DCC0107BCB98	Ch4	Yes	No	0.000 DC_VOLT	
	Ch 5 (Dig)	Debou	Open	Open	ACC: 0
at/Solar/DC Voltages 13.52 16.36 000 attry Type: Lead-Acid ate Installed: 2/19/2013	Ch 6 (Dig)	Debou	н	H	
AC Dutage Delays (in minutes) AC Fail 5 AC Restored 6					

Figure 4. Setting auto-switch



TECHNICAL SUPPORT

If you have any questions or are in need of technical assistance, please use any of the following contact information to reach Bullhorn Technical Services:

Support Email:

bhtechservices@aiworldwide.com

Support Telephone:

1-800-229-3404

American Innovations:

http://www.aiworldwide.com/