



## ADL Firmware Release Notes, January 2017

### Version 4.22.0002, January 2017

<u>ID#</u>	<u>Description</u>
1509	Improved compatibility with SATEL base radios
1512	Improved performance with 4FSK modulation
1536	Operating system optimization

### Version 4.20.0002, December 2015

<u>ID#</u>	<u>Description</u>
633	Enhanced modulation firmware
921	Expand Repeater delay to cover up to 60 seconds
1051	Support radios with 10-digit serial numbers
1135	Enhanced region code support
1139	Repeater radios stop transmitting when put into command mode
1208	Improvements to AutoRover functions on front panel of ADL Vantage radios
1297	Support SATEL's Error Checking feature
1311	Improved performance during periods of low voltage input in order to prevent memory corruption
1321	Signal interference rejection enhancement
1369	Support for programming radios with empty channel tables
1380	Improved ability to TX with Transparent EOT protocol
1433	Support for ADL Vantage 35 radio

### Version 4.01.0120, July 2013

#### Key enhancements since the previous release (Version 4.00)

<u>ID#</u>	<u>Description</u>
975	Automated reset feature
1104	Improved support for TRIMTALK protocol
1108	Improved support for Transparent EOT protocol @4800 bps
1111	Improvements to US region code in support of US Narrowbanding regulations
1127	Improved temperature rise compensation in receiver
1134	Improved tolerance of hard serial breaks from external devices
1137	Improved high temperature operation

### Version 4.00.0110, December 2012



ADL firmware version 4.00 (and later) supports new FCC regulations governing UHF operation in the United States beginning in 2013 whereby radios capable of transmitting in 25 kHz channels at radio links rates slower than 19200 bps can no longer be manufactured in or imported into the US. ADL firmware version 4.00 (and later) includes a “region code.” All radios manufactured by Pacific Crest after 1/1/13 will ship with the US region code that will make it impossible to configure the radio to transmit in violation of US narrowbanding law. Dealers outside the US will have the tightly controlled ability to change the region code of radios shipping outside the United States. Changing to a non-US region code will allow dealers to configure radios for operation in 25 kHz channels at 4800 and 9600 bps, should any of their customers require this.

In addition to changes to support the new US narrowbanding regulations, ADL firmware version 4.00 includes the following changes:

<u>ID#</u>	<u>Description</u>
962	Can program ADL Vantage radios with receive-only channels using the front panel
938	Improved AutoRover 2 feature that supports scanning for signals transmitted once every 1 or 2 seconds
939	Radios set up as repeater will now continue to act as a receiver (i.e., pass data from the antenna to the serial port), as a transmitter (i.e., transmit data from the serial port out the antenna) and act as a repeater (i.e., retransmit data received by the antenna back out through the antenna)
922	Support for repeater delays up to 60 seconds
931	Improved performance with Transparent EOT protocol, GMSK modulation, 4800 bps and 12.5 kHz channels
1020	Includes U-Link radio protocol support on ADL Vantage and ADL Vantage Pro user interface
947	Transparent FST and SATEL protocols now support lower link rates
900	Improved RSSI (signal strength) measurement
1049	Simplified released version number system