

December 2012

ADL Firmware Version 4.00

Key enhancements & fixes since the previous release (Version 3.04.2300)

ADL firmware version 4.00 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 includes a “country code.” All radios manufactured by Pacific Crest after 1/1/13 will ship with the US country 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 country code of radios shipping outside the United States. Changing to a non-US 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:

- ID#962 Can program ADL Vantage radios with receive-only channels using the front panel
- ID#938 Improved AutoRover 2 feature supports scanning for signals transmitted once every 1 or 2 seconds
- ID#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)
- ID#922 Support for repeater delays up to 60 seconds
- ID#931 Improved performance with Transparent EOT protocol, GMSK modulation, 4800 bps and 12.5 kHz channels
- ID#1020 Includes U-Link radio protocol support
- ID#947 Transparent FST and SATEL protocols now support lower link rates
- ID#900 Improved RSSI (signal strength) measurement
- ID#1049 Simplified released version number system

ADLCONF Software Version 4.00

Key enhancement since the previous release (Version 3.04.2149)

ADLCONF version 4.00 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. ADLCONF version 4.00 includes a “country code.” All radios manufactured by Pacific Crest after 1/1/13 will ship with the US country 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 country code of radios shipping outside the United States. Changing to a non-US 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, ADLCONF software version 4.00 includes the following changes:

- ID#988 Dealers can write configuration files (*.dat) containing: country code, channel bandwidth, a channel table including TX frequencies and the maximum TX power
- ID#986 Support for connection to radio via Bluetooth
- ID#984 ADLCONF now supports XDL radios (XDLCONF has therefore been discontinued)
- ID#834 Support for XDL modems’ 10-digit serial numbers when creating serial numbers
- ID#938 Improved AutoRover 2 feature supports scanning for signals transmitted once every 1 or 2 seconds
- ID#836 Can now create channel tables with gaps in them, e.g., a table with channels 1-5 and 7-10
- ID#922 Radios can now be configured for repeater delays as long as 60 seconds (60,000 ms)
- Various The Restore Factory Defaults feature has been removed
- ID#990 The Disable TX feature has been removed
- ID#922 Support for repeater delays up to 60 seconds
- ID#1013 Includes U-Link radio protocol support
- ID#1049 Simplified released version number system