

Exporting Configuration Files with the Dealer Version of ADLCONF

January 2015

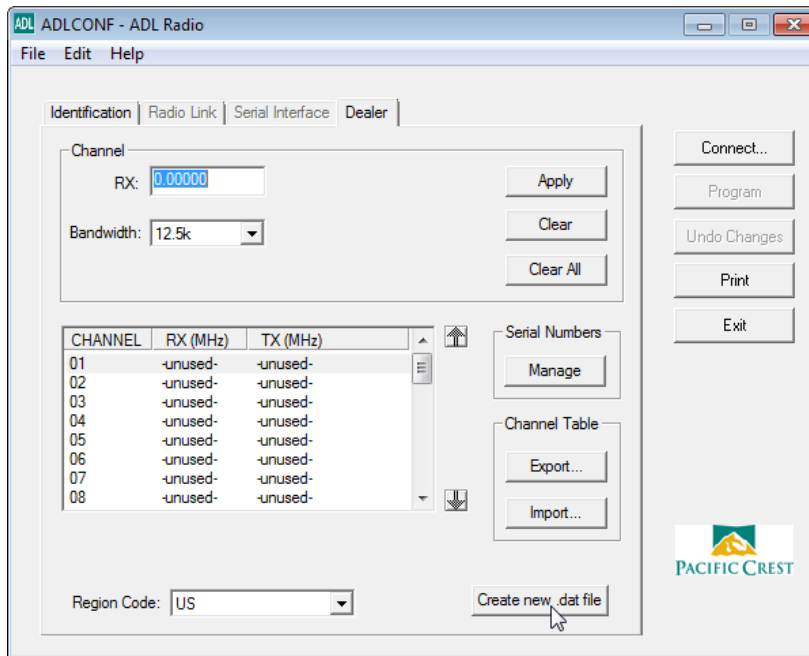
All Pacific Crest radios are partially configured in the factory prior to shipping. Each radio is further configured by a dealer prior to delivery to the end user. Each configuration - consisting of a set of parameters and parameter values - is viewable and to a certain extent editable using either ADLCONF or with the front panel of some Pacific Crest radio models. The configuration can also be exported, emailed and imported as a *.dat file. The following table shows the most commonly edited parameters and how they can be edited outside of the factory.

Parameter	Sample Value	How Parameter Can Be Edited
Modulation Type	GMSK	End User and Dealer versions ADLCONF
Protocol	Transparent FST	Front panel & End User and Dealer versions ADLCONF
Link Rate	9600 bps	Front panel & End User and Dealer versions ADLCONF
Output Power	2 Watts	Front panel & End User and Dealer versions ADLCONF
Receiver Sensitivity	Low (Base)	Front panel & End User and Dealer versions ADLCONF
Channel Selection	Channel 1	Front panel & End User and Dealer versions ADLCONF
Call Sign	WQCY898	End User and Dealer versions ADLCONF
RX Frequencies	430 MHz	Front panel & End User and Dealer versions ADLCONF
TX Frequencies	430 MHz	Dealer version ADLCONF only
Channel Bandwidth	12.5 kHz	Dealer version ADLCONF only
Region Code	US	Dealer version ADLCONF only
Max TX Power	4 Watts	Dealer version ADLCONF only

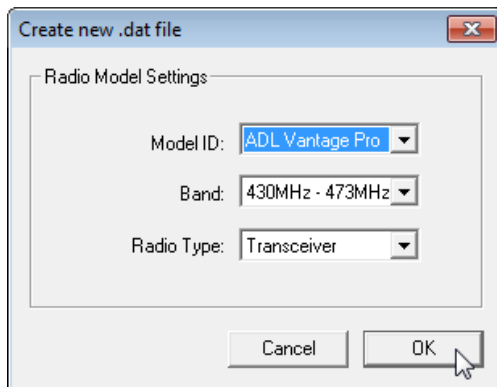
Note that the last four parameters are editable only with the Dealer version of ADLCONF. These parameters are configured on ADLCONF's Dealer screen and are not editable on the End User version's Frequencies screen or on the radio's front panel interface. However, all four parameters can be written to files that one can export from ADLCONF Dealer and email to an end user. The following tech notes tells you how to export these files and how an end user can import them.

1. Insert the ADLCONF dealer key into the PC
2. Launch the latest version of ADLCONF (available from <http://pacificcrest.com/support.php?page=updates>)

3. Click the Dealer tab and click the **Create new .dat file** button

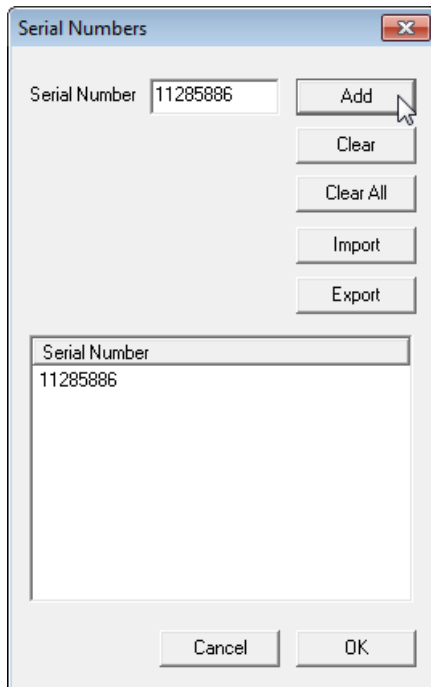


4. Select the Model ID, frequency band and type of the customer's radio(s) and click **OK**

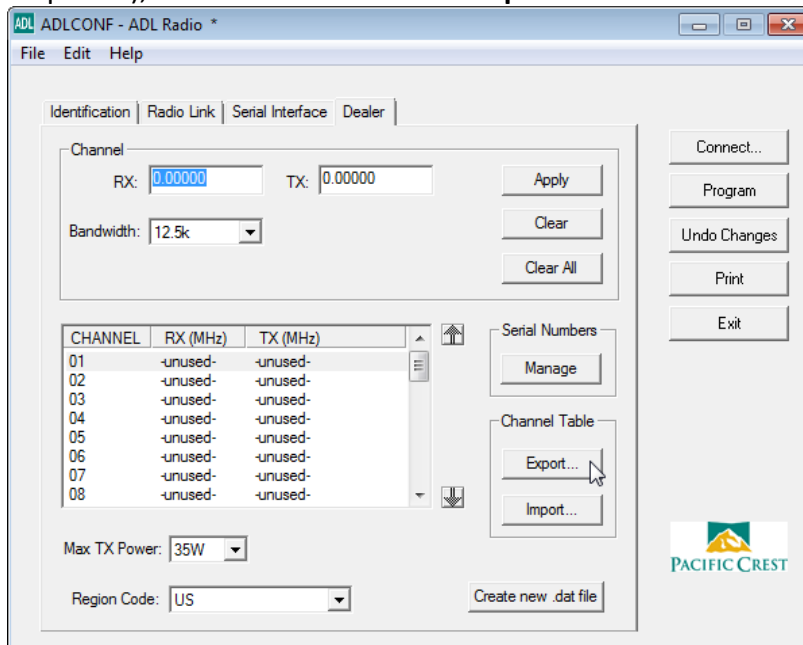


5. Create a channel table:
 - a. Select the channel bandwidth for the channel table, either 12.5 or 25 kHz. All frequencies in a single channel table must have the same channel bandwidth
 - b. Click the **RX** window on the Dealer screen, enter the receive frequency for Channel 01 of the channel table, then press Enter on the keyboard
 - c. If Channel 01's TX frequency is the same as the RX frequency, press Enter a second time. Otherwise enter a different frequency into the **TX** field and click the **Apply** button
 - d. Repeat for all the frequencies in the channel table
 - e. If you wish to rearrange the order of the channels, highlight a channel row and click the Up or Down arrow to the right of the channel table window
 - f. To delete a channel, highlight it and click the **Clear** button

- Click the **Serial Numbers: Manage** button to the right of the channel table window and type in the target radio's serial number in the Serial Number field at the top of the window. Then click the **Add** button.



Enter more serial numbers manually or click the Import button and import a list of serial numbers from a comma delimited .txt file. To save the list of serial numbers in *.txt format for later use, click **Export**. When you are done, click the **OK** button at the bottom right of the **Serial Numbers** window. If you want to create a subset of the configuration file that contains just the four parameters not editable on the End User version of ADLCONF's Frequency screen (TX frequencies, channel bandwidth, region code and max TX power), click the **Channel Table: Export...** button and save a *.frq file to your PC.

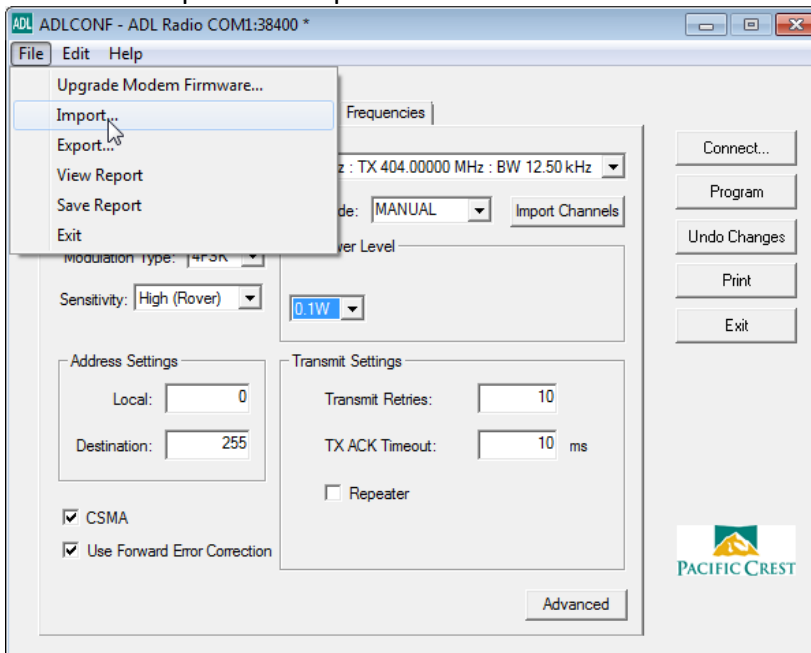


Note that the End User version of ADLCONF can program a radio with a .dat or .frq file **ONLY** if the serial number of the radio is written into the file by the Dealer version of ADLCONF.

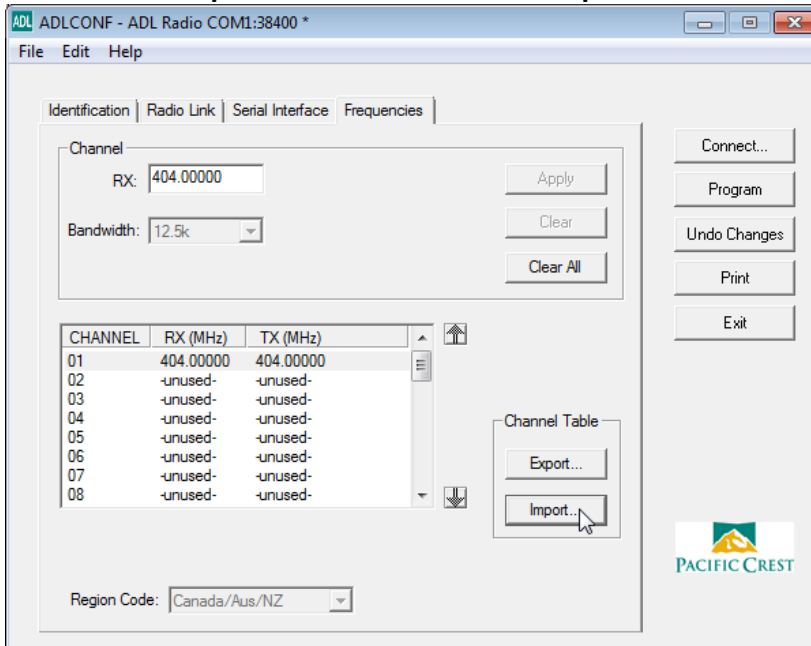
7. Email the *.dat file (all parameters) or the *.frq file (TX frequencies, channel bandwidth, region code and max TX power) to the customer

After receiving the .dat or .frq file, the **end user** should do the following:

1. Turn on his radio and connect it to his PC
2. Launch ADLCONF and connect it to his radio
3. Click File > Import and import the .dat file



4. Or click the **Frequencies** tab and click the **Import** button and import the .frq file



5. Click the **Program** button. This step is the hardest to remember and the most important!