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Mass Programming of FreeWave Modems using Procomm Plus

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If an application calls for a number of radios to be programmed with the same settings, then it is not practical to manually program each radio. By using Procomm Plus's scripting recorder this problem is fixed within minutes. This program allows the user to configure a simple script file that will program each radio with identical settings very quickly.

Equipment Used:
1. Procomm Plus Version 4.8
2. FreeWave Modem
3. RS-232 cable

Procedure:
1. Start the Procomm software and go to **Tools -> Scripts -> Start Recorder** or press the recorder button on the action bar.
2. Press the setup button on the modem to display the main menu.
3. Program the modem by opening each of the menus and editing each parameter. Each parameter in each menu must be opened and edited even if the value is not changed. This is necessary for Procomm to save the value of the parameter in the script file. Be sure to open and edit any sub menus such as the hop table parameters under the frequency key selection in the Radio Transmission Characteristics menu.
4. Once all the radio settings have been set to the proper selections, go to **Tools -> Scripts -> Stop Recorder** or press the recorder button on the action bar.
5. Save the script
6. Go to **Tools -> Scripts ->Compile/Edit**
7. Select the file that was just saved and click compile. To have the radio exit setup mode after the script has been run, there is one thing that must be changed. Do this by going to **Tools -> Scripts ->Compile/Edit.** Select the appropriate file and select edit. At the end of the script file there needs to be an extra Esc keystroke added. To do this add the line **transmit "^["** between the last **wait for "Enter Choice"** and **endproc.**
8. Go to **File** and select **save** then close the window. The script file must then be recompiled before it can be run again. To do this go to **Tools -> Scripts -> Compile/Edit**. On the next screen select the appropriate file and select **Compile**.
9. To run the script, go to **Tools -> Scripts -> Run**. Select the appropriate script file and press **open**. Press the setup button on the modem and the script should start automatically programming the modem.