

e-Dif Ordering Process and Activation

1. Determine what the CSI serial number and the Raven serial number are.

*******On the Phoenix 200, the CSI serial number will be the 6 digit serial number next to the Raven serial number on the label.**

If you have ordered the Phoenix 200 with e-Dif installed (117-0171-072), skip to Step #9 to turn e-Dif on or off.

2. Raven will need a Purchase order and the CSI Serial number before an Auth Code can be generated.
3. Raven will then email and give this Auth Code to the dealer to activate e-Dif.
4. Using RfpSim, Send the authorization code using the following string:
“\$PSLIS,RKC,GPS,(authorization code)”.
5. Verify the receiver responds with an “ACK”.
6. Put the receiver in Passthru mode using the following string:
“\$PSLIS,PASSTHRU”.
7. Send the following string: “\$JSAVE”. Wait for “Save Complete” to be displayed.
8. Cycle the power to the receiver.
9. Turn on e-Dif mode by sending the following string: “\$PSLIS,DIF,ED”.
10. Send the following string to save the configuration: “\$PSLIS,SAV”.
11. Cycle the power to the receiver.
12. Send the following string to verify the receiver is in e-Dif mode: “\$PSLIQ,DIF”.
If in e-Dif mode “\$PSLIR,DIF,ED,ED,(along with some other #'s and commas)”
will be displayed. The “ED,ED” is the part of the response that verifies E-Dif is active.

***When you are using the e-Dif function, the Phoenix 200 will take approximately 20 minutes to “converge”. The RGL600 for example will show that it’s ready when the 3 yellow vertical lights on both sides go out. The Envizio will also show you have differential even though you are using e-Dif. One thing to note is that when you are using e-Dif, the Age of Differential (AOD) will show up as 0. This was a modification in the firmware which had to be made otherwise the LB and Envizio would give you a warning of a “high AOD”.

If you want to go back to using WAAS differential thus turning off e-Dif, send the command “\$PSLIS,DIF,W1” and then “PSLIS,SAV” to save the new setting.