Satel Radio Reset

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Very rarely the Satel radio in an IG8, iG8a, i80, or X91+ will lose its configuration memory. If this happens on an iG8, iG8a or i80, the receiver will **continuously reboot every 90-seconds**.

> *If you purchased your receiver from iGage, don't hesitate to call us. We can connect to your computer remotely and help you reset the radio.*

The solution is to:

- Wait for the receiver to boot
- Put the receiver in 'Radio Pass-Thru' mode
- Put the Satel radio in 'command mode' (+++)
- Verify that the Satel radio has lost its memory
- Reset the Satel radio
- Write the configuration to the Satel radio memory

The iGage proprietary tool iG_Com automates this process.

Download the latest version of the iG_Com tool from:

> https://ig8g.com/out/utilities/iG_COM/index.htm

Turn off the head, connect the serial cable to a serial port on your PC. You may need to use a USB to Serial convertor.

Start the iG_Com tool, choose the correct COM number. For the iG8, iG8a and i80 choose 115200 baud, for the X91+ the default initial rate is 9600 baud.

> Note: if you have configured the serial port at an alternate baud rate, you will need match the rate and this process is more complicated because you need to capture the port at the correct baud rate, then change the baud rate to 115200 which is the Satel radio baud rate. The initial screens for the X91+ are completely different than the iGxx/i80 devices.

Go to the 'Terminal' tab and click the **Open** button.

Turn on the head, you will see hundreds of lines fly by in the log box as the head boots.

When the boot logo, changes into the run-time screen two Nul (00) characters will be received:
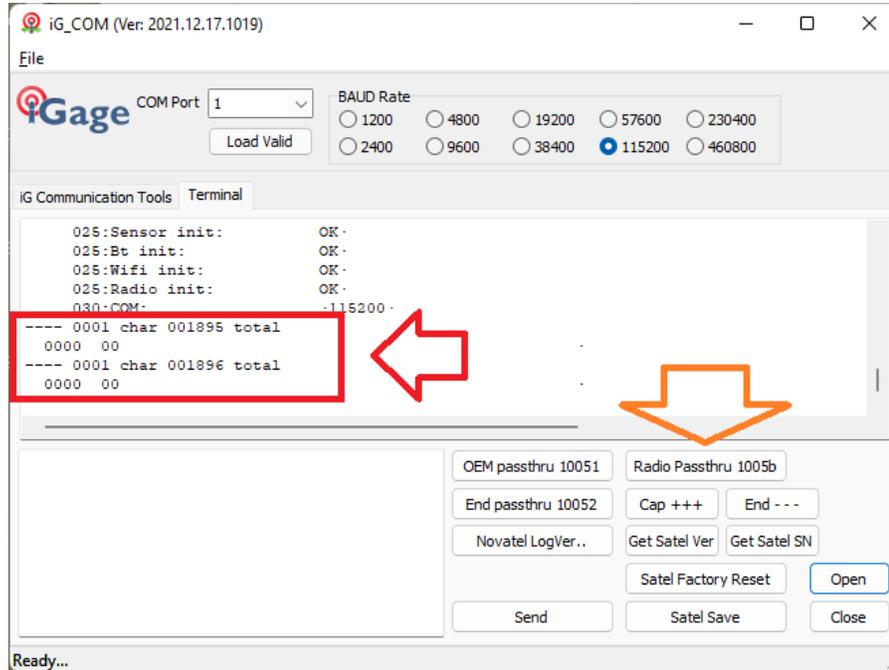
You now have about 45-seconds to complete the following operations.

Click the '**Radio Passthru 1005b**' button, the receiver will reply:

```
036:··administrator direct radio:[1005b]
```

Click the '**Cap +++**' button, the radio **may** reply:

```
0000   4F 4B                                        OK
```

If the radio does not reply, continue on anyway and click the '**Get Satel Ver**' button, the radio will reply with the Satel radio firmware version:

```
---- 0014 char 003916 total
   0000   56 30 37 2E 32 32 2E 32  2E 30 2E 38 2E 36      V07.22.2.0.8.6
```

If it does not reply with the serial number, go back and click the '**Radio Passthru 1005b**' button again, then click on the '**Cap +++**' button again, then retry the firmware button.

If you click on the '**Get Satel SN**' button and the radio is NOT locked up, you will get the radio module serial number:

```
---- 0011 char 003927 total
   0000   31 38 32 38 30 30 30 31  34 30 0D          1828000140·
```

If the radio is locked up, you will get many, many lines of gibberish.

Click the '**Satel Radio Reset**' button, the radio will reply:

```
---- 0005 char 003932 total
   0000   46 61 63 74 6F                             Facto
---- 0022 char 003954 total
   0000   72 79 20 64 65 66 61 75  6C 74 73 20 72 65 73 74   ry defaults rest
   0010   6F 72 65 64 21 0D                          ored!·
```

Click the '**Satel Save**' button, the radio will reply:

```
---- 0002 char 003956 total
   0000   4F 4B                                      OK
```

The radio has been successfully repaired. Reboot the receiver and it should be back to normal.