

Baud rate is set correctly but messages from iGrade are still garbled.

Symptoms:

Baud rates are set correctly on both T3RRA software and in iGrade. The T3RRA software is not receiving GPS and the GPS illegible data stream.

Serial port raw data

```
???????Fd?!??Z??????????%????????????????A$ ????????????????
f????????????F$ ?????????????????????
Fd?!????????????????????????????gA$ ?Y????????????????
Z?????????@$ ?????????????????????
Fd?!???????????????.??????????K?????@
$ ?????????????????????????????D$ ?????????????????????Fd?!?
H?????????@????????????????E$ ??????R????????????????
@$ ?????????????????????Fd?!????F????????????????????F
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Causes:

The serial connection is not properly grounded. Pin 5 is disconnected or connected to the wrong pin at the other end of the cable.

Solutions:

Carefully check the remote control cable and the iGrade harness. Ensure that the ground wire is properly grounded. In at least one case we have had a user report that an additional grounding wire was required as shown below.

