

PLEASE READ ENTIRE DOCUMENT!

Complaint or Symptom :

StarFire Receiver cannot operate in SF1/SF2 mode and cannot get differential corrections. Receiver goes to 3D WAAS or EGNOS and will not navigate.

Problem or Situation :

Under no control of John Deere Company, Inmarsat (provides satellite bandwidth to broadcast StarFire differential corrections) will be migrating frequencies on all six of their satellites. This frequency change by Inmarsat will effect John Deere and our competitors.

See [StarFire Satellite Coverage Map.jpg](#) for more information

Solution :

For SF3000 Receivers

1. Start the SF3000 receiver up and lock on to the StarFire signal **BEFORE** March 23, 2012. This will allow the receiver to recognize and remember the new frequency without having to manually change anything.
2. If the SF3000 **HAS NOT** locked on to signal prior to March 23, 2012, the receiver will only pick up WAAS corrections after that date. In order to regain StarFire corrections after March 23, 2012, (If you did not complete step 1 before that date) you will need to manually change the frequency according to the directions below. The new frequency you will input is listed in the chart below to the right of your old frequency.
3. The SF3000 does not require a software update to the current version 1.52C (available with the 12-1 software bundle) in order for the frequency change to work. However, it is always recommended to run current software.

For iTC Receivers

1. The iTC receiver will require the software be updated to version 3.73D (available with the 12-1 software bundle) in order to pick up the new frequency.
2. If the iTC receiver has not been updated to 3.73D software, the receiver will only pick up WAAS corrections after March 23, 2012. In order to regain StarFire corrections after March 23, 2012, (If you did not complete step 1 before that date) you will need to either update to 3.73D software, or manually change the frequency according to the directions below. The new frequency you will input is listed below in the chart to the right of your old frequency.

For GEN II Receivers

1. All GEN II receivers will require manual input of the frequency change. The new frequency you will input is listed below in the chart to the right of your old frequency. See below for directions on manually changing the frequency.

Directions to manually change frequency

1. On Display go to Main Menu >> StarFire Receiver >> Setup.
2. Uncheck the Use Default Frequency box.

See [SF_Default_OK.jpg](#) for screen shot.

3. Find the frequency shown on the display and locate this number in the Old Frequency column in the table below.
4. Find the corresponding New Frequency and enter this frequency in the display.

See [SF_change.jpg](#) for screen shot

5. Return to receiver status page.
6. Verify StarFire corrections are being received.

SF2 signal should eventually begin to build.

Additional Information :

Previous Satellite	Old Frequency (MHz)	New Satellite	New Frequency (MHz)	Start Date	Change Date
15.5W	1535.170	54W	1539.9925	done	March 23, 2012
142W	1535.153	178E	1539.9825	done	February 29, 2012
143.5E	1535.145	143.5E	1539.8925	January 11, 2012	January 25, 2012
98W	1545.545	98W	1539.8725	January 18, 2012	March 23, 2012
64E	1545.545	64E	1539.8725	February 15, 2012	February 29, 2012
25E	1537.453	25E	1539.8625	February 22, 2012	March 7, 2012

AMS StarFire 3000, AMS StarFire iTC, AMS StarFire Orig.

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