

9.2 | John Deere StarFire TCM (3000, 6000, 7000, 7500)

Applicable to:

John Deere StarFire 3000, 6000, 7000 & 7500 receivers with integrated Terrain Compensation Module (TCM).

StarFire TCM Overview

Modern John Deere StarFire GNSS Receivers contain an integrated Terrain Compensation Module (TCM) that measures pitch/roll angle position of the receiver, and calculates adjustments to GNSS position based on the angle of the receiver to provide the true ground point position, provided that receiver offsets have been entered correctly.

StarFire 3000 - Main SN: 114366

Info Setup Activations Serial Port

StarFire

Correction Mode
SF1

Default ☒ Correction freq
1546.2725

Mount Direction
Forward

Fore/Aft (cm)
240

Height (cm)
410

Enable Optimize Shading ☐

Hours On After Shutdown
3

3D TCM
On

Off

CAL

Last Calibration: Machine

Calibrate

 

F 

G 

H 

I 

Configuration Overview

1. Enable the 3D TCM setting in the StarFire receiver.
2. Enter correct receiver offsets (fore/aft and height).
3. Perform TCM calibration as per John Deere guidelines.
4. Verify TCM status is active.

For more guidance on best practices and setting up the StarFire TCM, please refer to John Deere's Starfire Operator Manual.