

## HOW TO GUIDE: Field Offset and Nudge

This document describes how to use the Field Offset and Nudge features of the mojoRTK Console

### Description

- The Field Offset is used to adjust the position of the tractor when the vehicle is tracking a line that does not match up with the lines that have been followed in the past.

### Benefits

The correct use of the Field Offset function allows the vehicle to consistently drive over the same location, even when the base station has been moved. This is essential for controlled traffic farming.

### Limitations

The accuracy of the field offset is limited by how well the operator can visually judge when the tractor is on the desired line.

### Required Items

- mojoRTK console

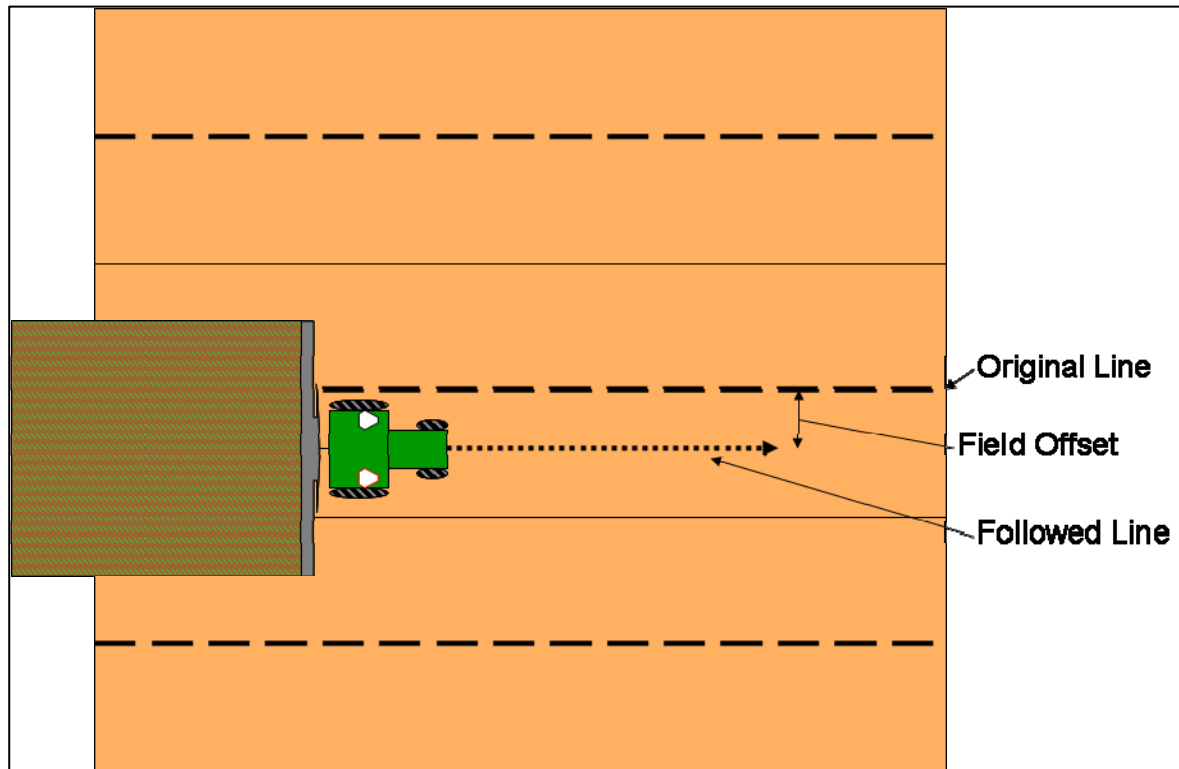
### Background

The field offset feature should be used whenever the tractor needs to drive along a line that has been previously driven by the mojoRTK system.



Under normal conditions the system will drive along the same line every time the same wayline is used, however, there are some things that can cause the system to incorrectly believe that it is guiding on the previous line. These are:

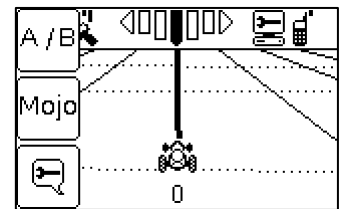
- Moving the mojoRTK base station
- Incorrectly entered base station coordinates in fixed base location mode
- Switching to a different base station

The effect of these field offsets is shown in the following picture:

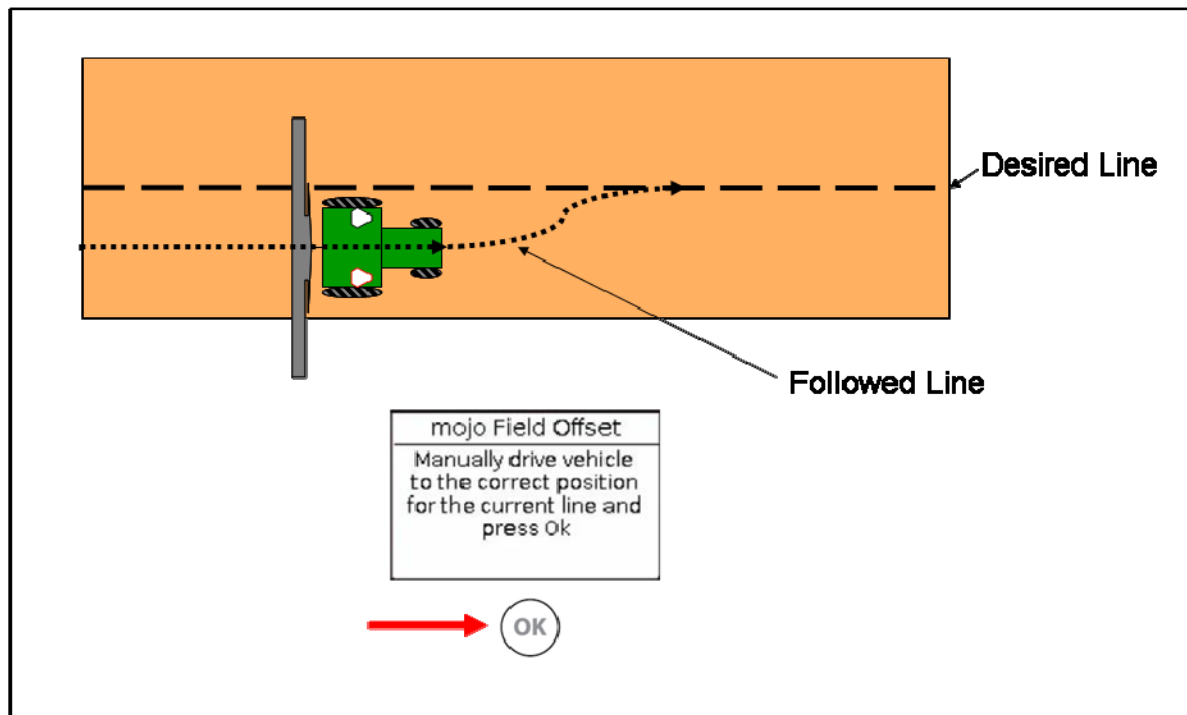


## Procedure for Automatic Field Offset






1. Press  (Softkey 2) to display button options.
2. Press  (Softkey 2). You will be asked to drive to the correct position
3. Drive the vehicle to the correct line, then press the OK button.



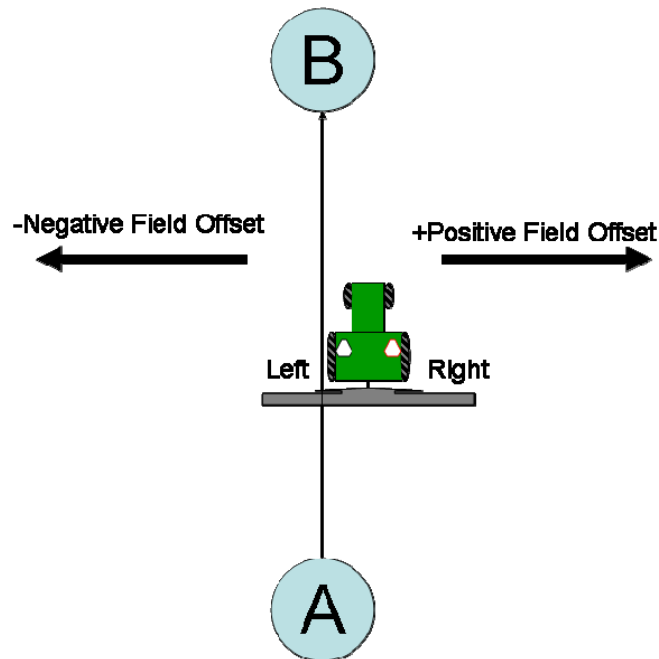
mojo Field Offset
Manually drive vehicle to the correct position for the current line and press Ok



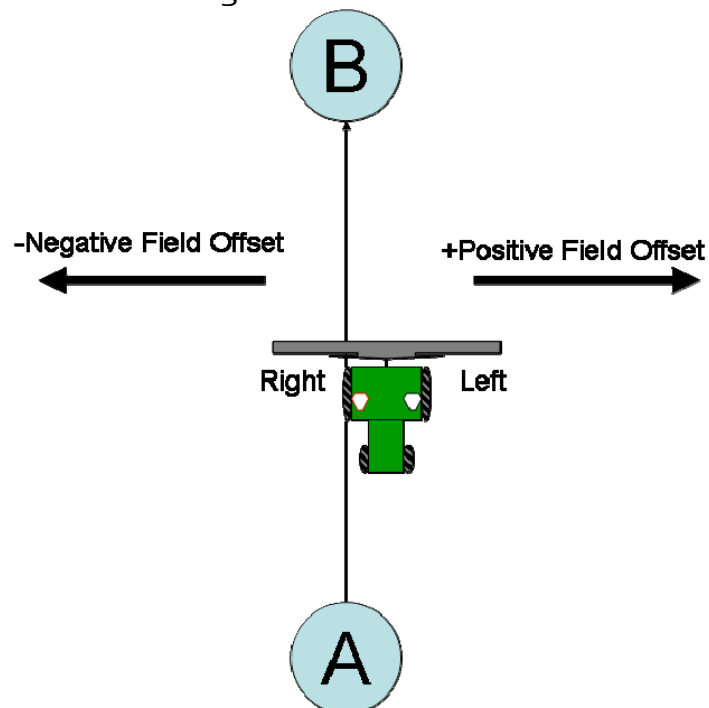
## Procedure for Manual Field Offset

1. From the main navigation screen, press  to enter the main menu.
2. Turn the main dial to select **Settings**, and then press .
3. Use the main dial to select **Guidance**, and then press .
4. Use the main dial to select **Field Offset**. The current offset is shown on the right side of the screen.
5. Press  to change the implement offset.
6. Use  or the main dial to set a new field offset.

- The direction that the field offset moves the tractor will depend on the direction of travel. If the tractor is moving in the A to B direction (where A and B are the waypoints of the wayline) then a positive field offset will move the vehicle to the right, and a negative field offset will move the vehicle left.




- Similarly, if the tractor is moving in the B to A direction, a positive field offset will move the tractor to the left, and a negative field offset will move the tractor to the right.



## Nudge Offset

Nudge Offset is similar to the field offset, and provides the operator with a mechanism to correct the drift that will occur while Glide is activated. To use the Nudge Offset press the Esc key repeatedly until the main navigation screen is displayed.

Press  (Soft Key 2) two times to display the Nudge Offset menu.

Nudge Offset
Drive to the line and press Ok or use the main dial to nudge left and right 5cm.

Either drive to the line and press Ok or turn the main dial left or right to nudge the vehicle left or right 5cm per click.

**Note:** The Nudge Offset is a temporary offset and will not be kept after corrections from the mojoRTK Base Station are re-acquired.

For more information on the Glide feature, see document number 1022 - "HOW TO GUIDE – Glide"