

T3RRA



8.3 | Cross-slope Adjustment

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T3RRA software is capable of sending cross slope commands to iGrade™. It can operate automatically based on the cross slope observed on the map at the current location. It can also be switched to manual and a cross slope value entered.

To enable control (manual or automatic) you first must check the **'Output cross slope commands'** box in the **'Settings > Machine'** window.

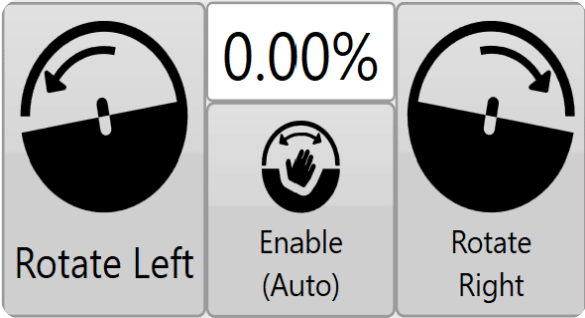
The screenshot shows the 'Settings' window with the 'Machine' tab selected. The 'Look ahead delay time' is set to 0 seconds. The 'Receiver setup' is set to 'Auto-Detect'. The 'Implement Width' is set to 4 meters. The 'Output cross slope commands' checkbox is checked. The 'Cross slope nudge increment' is set to 0.5%. The 'Blade positioning' is set to 'Average, on top'. A diagram shows a blade with 'Left' and 'Right' tilt buttons. The text below the diagram states: 'Average on top: Gets the cross slope from the design under blade, but will never over-cut.' The 'Enable 'As Applied' calculations' checkbox is unchecked. The 'Enable Pass Count Tracking' checkbox is checked. There are two buttons: 'Reset 'As Applied'' and 'Reset Pass Count'.

Settings						
Application	Machine	Project	Limits	GPS	Advanced	Dozer
Look ahead delay time		Suggested: 0.2 - 0.6 Default: 0.3		(Detected: 0.000)		0 sec
Receiver setup:		Auto-Detect		Single		
☐ Use Tractor GPS for surveys (iGrade UCC2+RTK only)						
Implement Width:		4 m				
☒ Output cross slope commands						
Cross slope nudge increment		0.5 %				
Blade positioning		Average, on top				
Average on top: Gets the cross slope from the design under blade, but will never over-cut.						
☐ Enable 'As Applied' calculations		Reset 'As Applied'				
☒ Enable Pass Count Tracking		Reset Pass Count				

Once you have checked this box, you will be able to set the cross slope nudge increment. This specifies the incremental amount each press of the left and right tilt buttons will add to the cross slope. Being able to set the nudge increment allows you to decide the size of each adjustment.

The cross slope controls are in the lower left section of the map screen. The left and right button rotate the blade to the left and right respectively (relative to the direction of travel). As the left and right buttons are pressed the current tilt value is displayed in the text box

between the two buttons. The center button of these controls will turn automatic machine control on and off.



When automatic control is engaged, the nudge buttons will change to display the icon to the right.

