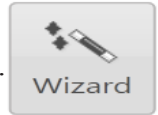


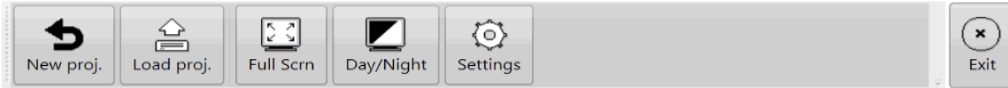
PCT TerraCutta Landforming, TerraCutta Quick Reference Guide

PCT TerraCutta, TerraCutta Pro Main

1. Select TerraCutta Wizard button.....



Wizard



About TerraCutta:

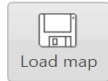
This tool can be used in either of two modes. Choose the one you want

1: Collect and process height data into a control map



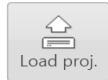
Wizard

2: Use a control map from an external source



Load map

You may also load an existing project file



Load proj.

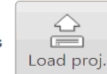
TerraCutta Wizard:

This wizard will guide you through the basic steps of creating and saving a control map using the 'TerraCutta' methodology.

The steps are:

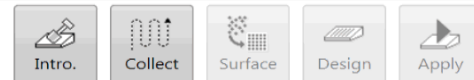
- Step 1: Collect elevation data and/or drain paths
- Step 2: Process any collected elevation data
- Step 3: Analyze the elevation data and design a control surface
- Step 4: Connect to John Deere™ iGrade™ and implement your design

Click on 'next' to begin a new project, or press



Load proj.

to load a saved project



=====

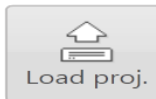
Introduction

Select Load map button to load OptiSurface Design file that has been created in OptiSurface Go to page 4.....
(* .adg) file



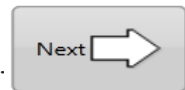
Load map

Select Load Project button to load an existing TerraCutta project Go to page 4.....
(.tci) file



Load proj.

2. Select the Next button and follow on screen steps.....



Next

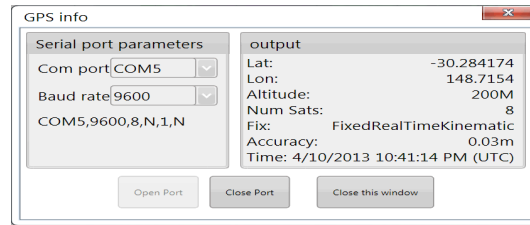
PCT TerraCutta Landforming, TerraCutta Main/Run Page Options

PCT TerraCutta, TerraCutta Pro Main

3. Collect elevation data
Select the Collect elevation data
button.....



4. GPS info screen will open and
search for a GPS signal then
select the Close this window



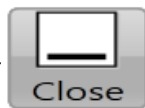
5. Select the start button,
and start collecting your elevation data



6. Select the pause button to pause data
collection or the stop button to
stop your data collection.....



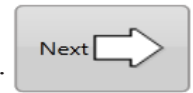
7. Select exit mapping window button.....



8. Select the Save button to save your
collected elevation data.....



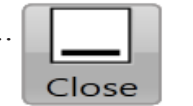
9. Select the Next button
and follow on screen steps.....



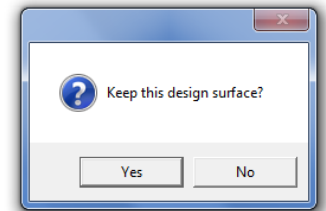
10. Select create a elevation
surface button.....



11. Select exit mapping window button.....



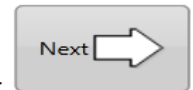
12. Select yes to
keep the design surface.....



13. Select the Save proj. button to
save the TerraCutta project.....



14. Select the Next button
and follow on screen steps.....




15. Select Apply surface
design button.....







PCT TerraCutta Landforming, TerraCutta Main/Run Page Options

PCT TerraCutta, TerraCutta Multi fit

16. Select Multi fit to create a plane of Multi fit.....

Apply design Press  to import an external design, or:

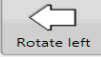

Press  to create a plane of best fit Press  to create a plane of multi fit

Press  to create surface drains Press  to create levees

A design surface exists No drains exist No levees exist

17. Enter details to create a plane of Multi fit.....

Direction (degrees):

 Rotate left  Rotate right

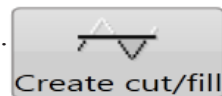
Set slope range from (min %) to (max %)

Perform preliminary side slope adjustment

18. Select the Apply button.....



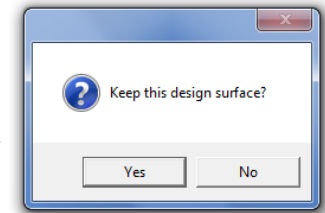
19. Select the create cut/fill button.....



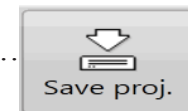
20. Select exit mapping window button..



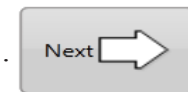
21. Select yes to keep the design surface.....



22. Select the Save proj. button to save the TerraCutta project.....



23. Select the Next button and follow on screen steps.....



Plane of Multi fit

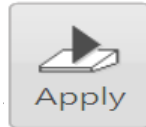
Multi Fit will build connecting best fit strips in the direction of row or bed that follow the terrain and design is constrained by a minimum slope and maximum slope range thereby creating a least cost cut fill option.

This design although maybe least cost may not be the most suitable and you may need to consult a design engineer.

PCT TerraCutta Landforming, TerraCutta Main/Run Page Options

PCT TerraCutta, TerraCutta Pro Main

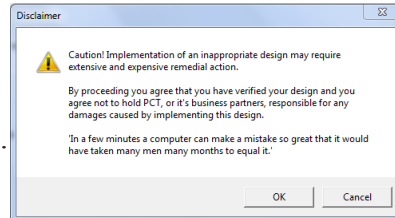
24. Select connect to John Deere iGrade™ button.....



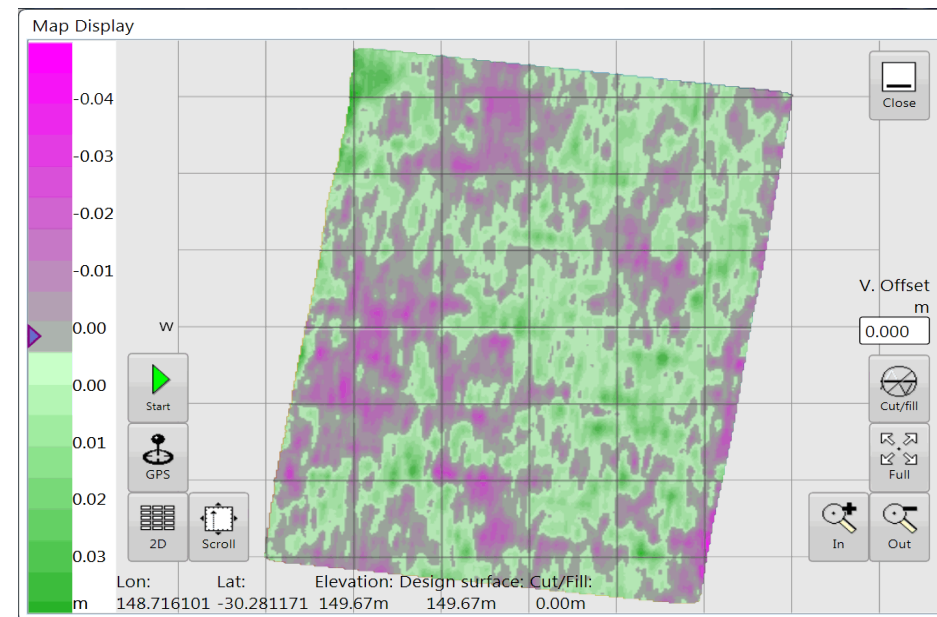
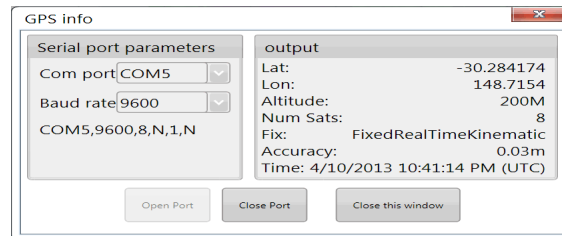
27. Select the start button, and drive to a zero area.....



25. Read Disclaimer and select yes to implement your design.....



26. GPS info screen will open and search for a GPS signal select the Close this window.....




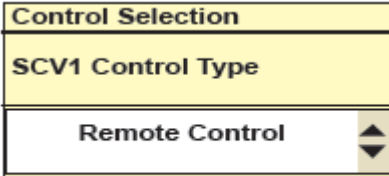


NOTE:

Once connected press the Green start button and drive to a zero area. These are where green meets purple and values will be displayed along the bottom. Make sure this is on a wheel track, that the data was collected on. Once at the zero point stop and set bucket height. Now on the Greenstar display press 'Set Zero'. To operate place SCV1 in auto.


PCT TerraCutta Landforming, iGrade – Remote Control Automation

Control Type Selection Ref iGrade Manual 35-4

1. Select Application Controller..... 
2. Select Main Menu..... 
3. Select Control Selection..... 
4. Select SCV1 Control Type..... 

Select Remote Control

Operation

5. Select Application Controller Main Menu..... 



Place SCV 1 in detent for automatic control


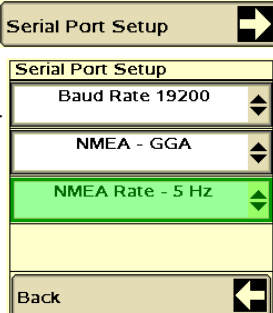

- Use Shifts if cutting too deep or if more fill is needed
- Use Zero Error to set Zero to current blade height.
- Use Shift up/down to bench mark up or down.



Remote Control Main	
Status	Ok
Control Error (m)	-0.01
Offset (m)	0.280
Command (m)	357.54
Set Offset - Zero Error	
Shift Offset Up	
Shift Offset Down	

Note: Manually adjusting blade height with SCV disables Automatic Control. Returning SCV to detent automates control.

Serial Port Setup Ref iGrade Manual 35-3

1. Select Main Menu..... 
 2. Select Serial Port Setup..... 
 3. Select Control Selection..... 
- Baud Rate – 19200
NMEA – GGA, GSA
NMEA Rate – 5 Hz