

General Workflow for Ground Clean up

1. Import Raw Cycle or Add LAS Layer
 - a. Process Raw Cycle through LAS Layer generation steps
2. Perform Preliminary Ground Classification
 - a. Traditional Method through Point Cloud Tasks
 - b. AI Ground Classifier
3. Ground Clean Up tool used in areas left unclassified or misclassified.

How to Classify Ground Using LP360



Ground Clean Up Tool page



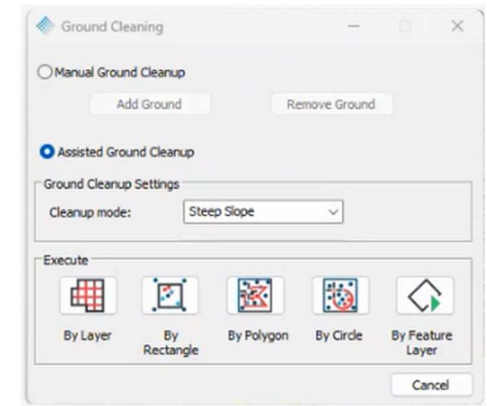
How to use Ground Clean Up Tools in LP360 – Video Tutorial

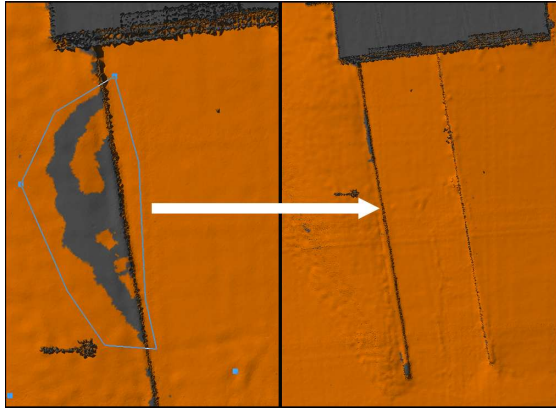


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[Support.lp360.com](https://support.lp360.com)

Using the Ground Cleanup Tool

In this exercise, we will review the workflow for using the Ground Cleanup tool using LP360.





About Ground Classification

Ground Classification with LP360 is one of the software's most common workflows and is required for several other functionalities within the software, such as Tree Segmentation, Canopy Height Segmentation, Powerline Extraction, Building Extraction, and more.

Use the **Ground Cleanup tool**  in areas where the algorithm missed ground points in the initial classification.

Benefits:

- Speeds up post-classification cleanup
- Reduces reliance on complex point cloud task configurations
- Enables technicians of all experience levels to deliver accurate results efficiently

Ground Cleaning Options

The Ground Cleanup dialog offers two methods for performing this task:

The Manual Ground Cleanup option allows users to manually select ground points for input to detect other ground points nearby.

The Assisted Ground Cleanup option automates the point selection process based on the Cleanup mode.

Executing the Ground Cleanup Tool

Five Execution Methods Available:



By Layer – Uses entire Active LAS Layer



By Rectangle – User specified size



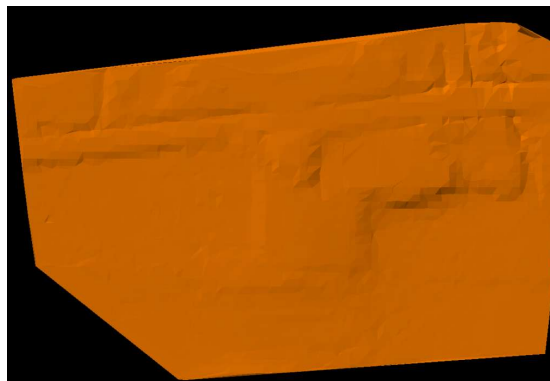
By Polygon – User specified polygon



By Circle – User specified size



By Feature Layer – Uses existing Feature



How does Ground Cleanup work?

The Ground Cleanup Tool is used to clean up areas where the ground classification has left unclassified patches. It can also be used for automatic ground extraction in localized areas.

This tool also seamlessly integrates with LP360's AI Ground Classification and Generate Products workflows.

The Cleanup tool utilizes a temporary class (Ignored Ground – Class 20) to hold the detected ground points. This allows the user to choose whether to use **Commit Edits**  to commit the points to the Ground group (Class 2) or use **Reset Classes**  to return the points to the Unclassified group (Class 1).

Cleanup Modes:

- Normal
- Aggressive
- Very Aggressive
- Steep Slope
- Extreme

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