LP360 for ArcGIS™ Tool Guide

(updated for version 2020.1.80.0)

Common ArcMap Tools ™ Environmental Systems Research Institute (ESRI)

	Add Data		Zoom In		Measure
	Identify		Zoom Out		Select Features
	Pan		Full Extent		LAS Files Tab

	Point Cloud Tasks Tab		
	ArcToolbox		
	ArcCatalog		

LP360 Basic Tools
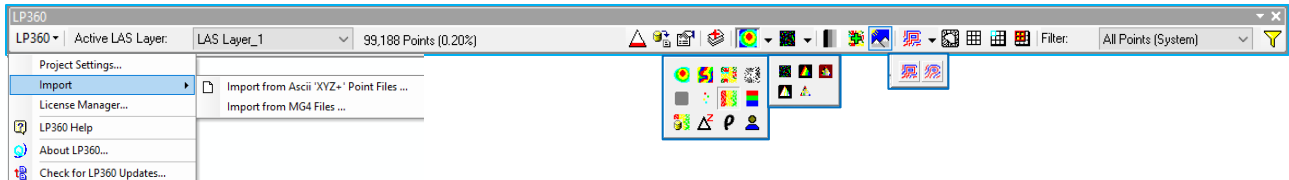
Icon	LP360 Dropdown:	Icon		Icon		Icon	
LP360	**LP360 Dropdown:**		LAS Properties		*Elevation Difference (dz)*		Apply Intensity
	Project Settings…		Add LIDAR Data		*Point Density*		Blend Classification
	Import ASCII & MG4		**Legend Types:** *Elevation*		*User Data*		Toggle Hillshade
	License Manager…		*Color Band*				**Display Contours**
	LP360 Help Guide		*Classification*		**Draw Types:**		Display Smooth Contours
	About LP360…		*Intensity*		*Draw Points*		Toggle Breakline Enforcement
	Check for LP360 Updates…		*Monochromatic*		*Draw TIN*		Display Boundaries
	Active LIDAR Layer		*Return Combination*		*Draw Points on TIN*		Select LAS Files
# Points / # TIN (%)	Point Information		*Point Source ID*		*Draw Wireframe*		Select and Load LAS Files Graphically
	Force 100% Resolution		*RGB*		*Draw Points on Wireframe*		View Filter
	Export Wizard		*File*				Live View

LP360 Viewer Integration
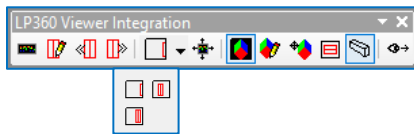
Icon		Icon	Profile Scroll Options:	Icon		Icon	
	Toggle Profile Window		**Profile Scroll Options:**		Toggle 3D Window On/Off		Draw Profile Box 3D View
	Draw Profile Line		*Allow Profile Off Map*		Define 3D Window Extent		Line of Sight
	Step Profile Back		*Center Profile in Map*		Modify 3D Window Extent		
	Step Profile Forward		*Pan Map as Profile Nears Edge*		Load Image to 3D Viewer		
			Zooms Map In/Out with Profile		Pan 3D Viewer With Profile		

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9668 Madison Blvd., Suite 202
Madison, AL 35758
support.LP360.com
support@LP360.com

Profile Window - LP360

Filter: All Points (System) Source: All Points (System) Destination: 6 Building
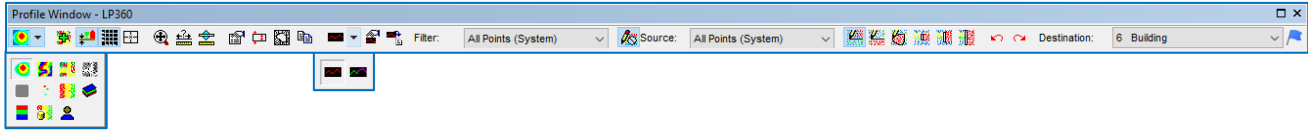
	Legend Types *(Elevation (CTRL+Q))*		User Data (CTRL+S)		Toggle Breakline Enforcement		Source Points Filter
	Color Band (CTRL+A)		Blend Classification		Copy Profile to Clipboard (CTRL+C)		Classify Above Line (CTRL+G)
	Classification (CTRL+W)		Re-center Z Extent (CTRL+B)		**Drape Profile Options:**		Classify Below Line (CTRL+H)
	Intensity (CTRL+E)		Graticule On/Off		*Drape Profile Line*		Classify within Polygon (CTRL+F)
	Monochromatic		Toggle Cursor Crosshair		*Drape Profile by Point Source*		Small Paintbrush (CTRL+J)
	Return Combination (CTRL+R)		Continuous Pan & Zoom (CTRL+D)		Profile Export Settings		Medium Paintbrush (CTRL+K)
	Point Source ID (CTRL+T)		Measure (CTRL+M)		Export Draped Line		Large Paintbrush (CTRL+L)
	GIS Fusion (CTRL+U)		Measure Area		View Filter		Undo Last Edit
	RGB (CTRL+I)		Display Properties				Redo Last Edit
	File (CTRL+X)		Profile Depth		Classify Non-visible Points Toggle		Destination Class & Flags

3D Window - LP360

Filter: All Points (System)
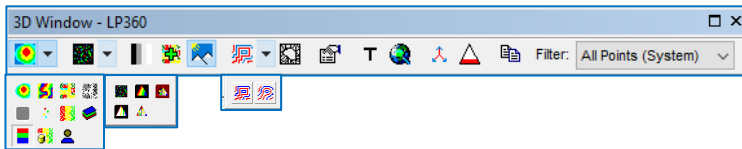
	Legend Types		GIS Fusion (CTRL+U)		*Draw Wireframe*		Toggle Breakline Enforcement
	Elevation (CTRL+Q)		RGB (CTRL+I)		*Draw Points on Wireframe*		Display Properties
	Color Band (CTRL+A)		File (CTRL+X)		Apply Intensity		Top View (CTRL+D)
	Classification (CTRL+W)		User Data (CTRL+S)		Blend Classification		Fit World (CTRL+F)
	Intensity (CTRL+E)		**Draw Types**		Toggle Hillshade		Toggle Axis (CTRL+B)
	Monochromatic		*Draw Points*		**Display Contours**		Force 100% Resolution
	Return Combination (CTRL+R)		*Draw TIN*		Display Contours		Copy (CTRL+C)
	Point Source ID (CTRL+T)		*Draw Points on TIN*		Display Smooth Contours		View Filter

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LP360 Control Points

Control Points: Control_Points | Elevation Field: Shape | Drive Mode: ALL
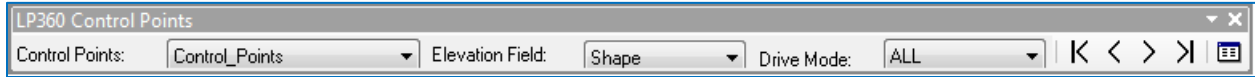
	Control Layer		ALL	K	First Control Point	›|	Last Control Point
	Elevation Field		Control	‹	Previous Control Point	📋	Control Point Report
	Drive Mode:		Check	›	Next Control Point		

LP360 QA/QC

Jump Amount (%) 80 | Target: test.shp

	Jump Map		Pan Map as Profile Nears Edge		Seamline Analysis		Circle
	Jump Amount		Pan 3D Viewer With Profile				Polygon
	Draw Profile Line		Define 3D Window Extent		Create Feature Class		Deletes an Issue
	Profile Scroll Options:		Modify 3D Window Extent		Target Feature Class		Edit an Issue's Attribute
	Allow Profile Off Map		Pan 3D Viewer with Map Jumps		**Add Area of Interest:**		
	Center Profile in Map		Center Viewer on Mouse Click		Rectangle		

LP360 Point Cloud Tasks

	Execute by Point*		Execute by Envelope*		Execute by Circular Stamp		Execute for a Project
	Execute by Line*		Execute by Circle*		Execute by Selected Features		Execute task using selected feature layer*
	Execute by Polygon*		Execute by Rectangular Stamp		Execute by Selected Graphics		Execute attribute derived PCT using selected feature layer
*Input Tool Geometry							

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Auto Execute
Draw Diagnostic Data
Display Profile Window
Viewer Properties ...
Profile Properties ...
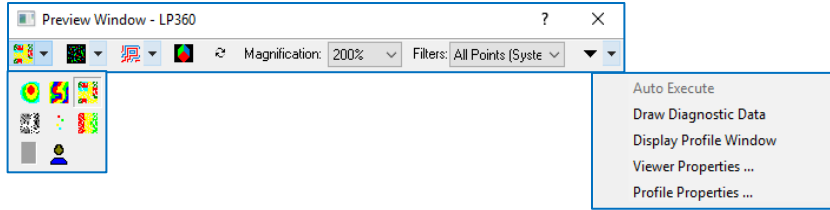
	Legend Types:		RGB		Draw Points on TIN Wireframe		Additional Options:
	Elevation		User Data		Display Contours		Auto Execute
	Color Band		Draw Types:		Display Smooth Contours		Draw Diagnostic Data
	Classification		Draw Points		3D View Toggle		Display Profile
	Intensity		Draw TIN		Execute Task		Viewer Properties
	Return Combination		Draw Points on TIN	200%	Data Magnification		Profile Properties
	Point Source		Draw TIN Wireframe		View Filter		

LP360 Standard Tools
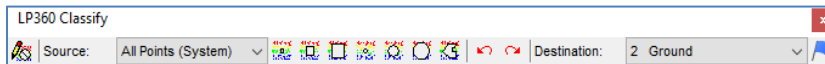
	Classify Non-Visible Points Toggle		Medium Rectangular Brush		Medium Circular Brush		Undo Last Edit
	Selection Source Filter		Large Rectangular Brush		Large Circular Brush		Redo Last Edit
	Small Rectangular Brush		Small Circular Brush		Classify Within Polygon		Destination Class & Flags

|	Conflation Task Manager		LP360 Sketch Tool (Arc 9.3)		LP360 Sketch Tool (Arc 10.x)		Options (Z Increment)
	River Flatten						

Hotkeys for LP360 Sketch Tool

'P'	Toggle Profile Sync	'L'	Lock	'I'	Set Z Interpolation Method	'W'	Toggle Idle State
'S'	Freeze Profile Location	'F'	On-the-fly Refresh	'E'	Reset Elevation Value	'U'	Nudge Z Value Up
		'H'	Set Elevation as Constant or Vertex	'R'	Remove Z Lock	'D'	Nudge Z Value Down

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Right-click options for LP360 Sketch Tool on vertex

Set Vertex to Current Z Lock
Z Increment Value
Set Z Lock Height

ArcGIS 10.x Editor Tools for working with LP360 Sketch Tool

Editor
Editor ▾
Start Editing
Stop Editing
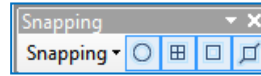
Snapping
Snapping ▾

	Editor Dropdown:		*Save Edits*		Create Features		*End Snapping*
	Start Editing		Selection/Edit Tool		**Hz Snapping Options:**		*Vertex Snapping*
	Stop Editing		Sketch Properties		*Point Snapping*		*Edge Snapping*