

Click

to enter Settings interface.

In *Settings* interface, you can modify *Tolerance Setting* such as solution limit, HRMS limit, VRMS limit and etc. And modify *Smooth* parameters and configure *Settings* options.

← Settings				← Settings			
Settings	Display Info	Tool Bar	3	Settings	Display Info	Tool Bar	
Tolevance Sett	ing			AGE Limit		5.)	
Solution Limit		FIXED	2	Smooth			
HRMS Limit		0.05	2	Survey delay		0.3	
VRMS Limit		0.1	3	Average GPS (Count	8.0	
PDOP Limit		3	2	Settings			
AGE Limit		5	2	The survey co	nfirmation page p	ops up	
Smooth				Remind when	there is same poin	nt name 💷 🔿	
Survey delay		0	2	Point Name In	crement	3.5	
Average GPS C	ount	5	2	Default Code	Sam	e as last point 🗦	
Default		OK		Default		OK	

In Display Info interface, you can set the display information to the floating

42

window, such as longitude, latitude, altitude and etc.

← Setting	s			
Settings	Display Info		Tool Bar	
Options				
Long		Lat		
Altitude	•		Ant. H	
Forward azimuth		Speed		
Time		Point dist.		
Pt. H dist.		Pt. Elevation diff.		
σN		σE		
PDOP		HDOP		
VDOP		Inclination Angle		
Projection A	ngle			
Backspace	Def	ault	ок	

In **Tool Bar** interface, you can add or delete options that displayed on the point survey interface. You can customize the interface layout to suit your usage habits.

8 13		-
Settings Disp	lay Info	Tout Bur
Display Herry	Optio	mis.
🏓 Till Survey	0	Zoom in
Display Map	Θ,	Zoom out
Auto jump map	1	Take ocreen point
Full Map	\$	Pointer Catch
	9	CAD Text
	2	Map Navigation
	8	Length&Area Measure
	2	Distance&Height
Chear De		06

5.3 Calibrate Point

When changing the position of the base station, there will be offsets between surveying points base on different base stations. Users can use the Calibrate Point to calibrate the offset.

Go to **Project** > **Calibrate Point**. Add a point measured under the previous base station as **Known Point Coordinates**, and measure the same point under current base station as **GNSS Point Coordinates**.



For the GNSS Point Coordinates, you can click the surveying icon to measure under the current base directly.

← Calibrate P	oint	← → FIXED H0.050 &	
Constitutes Nome Latitude Attitude	5 Q ==	Name ous Base X Code Input 3 Antenna Height 0+0.000m B 31'09'59.10580'N N 3450141.43	1
Konswo Ptant Coordinates Name Northing Easting Elevation Recuit	Previous Base 3450141.428m 632951.675m 14.333m	L121*1722.51950°E E 622951.67 H 14.333 Elev 14.33 Distance to Ref 399.315	n m
Calibration parame projecta	ters applied to all	Save to Point Database	È

Note: Please confirm the RTK status is FIXED.

Or measure the GNSS point under the current base station in advance and click to select from the point database.

← Calibrate Po	int	Point Co	ordinates	Surve	y Point
DHSS Point Coordinates Name Latitude Longitude Attitude	35 🔍 🂻 33	Name • Previo N:3450141 E:622951.6	> Ing us Base In .428 .75	-T:2024-06-21 Elev:14.333 Code:	17:53:01.000
Result	Previous Base 3450141,428m 622951,675m 14.333m	© Curren 8:31*09'59 L:121*17'2	It Base Inp .10700'N 2.51960'E		17:51:51.000
Calibration paramete projecta	ns applied to all 🔾 🖂				
	Park .	Add			

Then click **OK** to complete the Calibrate Point.

Continuites	
Name	Current Base
Latitude	31'09'59.10700'N
Longitude	121'1722.51960'E
Altitude	14.376m
Kopwo Point Coordinates	A 🗏 🕅
Name	Previous Base
Northing	3450141,428 m
Easting	622951.675 m
Elevation	14.333 m
Rentiff	
Calibration paran projects	neters applied to all
	AND A DESCRIPTION OF A

5.4 Localization

When starting a new project, if you are using the local small-scale coordinate system, you can use this function to transform the geodetic coordinates system to your local system.

Go to **Project** > **Localization**, add at least 3 pairs of points for the Localization.

Note: A pair of points are the known local coordinates and the surveying coordinates of the same point.

- 💮 Fi	XED H:0.064 gr1 V:0.0852 X1	an 1140 115 ⊕
	1	14
Project Manager	Localization	Calibrate Point
1		613
Coordinate System	Points Database	Code Library Manager
	1	
Export Data	Software Settings	About Software
:	Je j	10
Import Data	Survey Area Settings	Grid to Ground
	entes Surve	y Touls

Click **Add** to add the corresponding pairs. Input the Known Point Coordinates.



Then select the corresponding GNSS coordinates of the known point.

A2 mon N:3450138. E:622946.3 A1 mon N:3450141 E:622951.9 Previou N:3450141 E:622951.6 Current 0:3110959. L:12111722	Point 458 91 Is Base In 428 75 I Base Int 10700"N 1.51960"E	T 2024-06-21 18:20:43:000 Elev 14:318 Code: T 2024-06-21 17:53:01:000 Elev 14:333 Code: T 2024-06-21 17:51:51:000 H 14:376 Code:	Altitude Options Use Horizontal Ci Use Vertical Cont	121-17-22.51635 () 14.318m mi
A2 mon N:3450138. E:622946.3 A1 mon N:3450141. E:622951.9 Previou N:3450141. E:622951.6	1 Point 458 91 IS Base In 428 75	T 2024-06-21 18:20:43:000 Elev 14:318 Code: T 2024-06-21 17:53:01:000 Elev 14:333 Code:	Altitude Optional Use Horizontal Cr Use Vertical Com	121-1722.51635 () 14.318m
A2 mpin N:3450138 E:622946.3 A1 input N:3450141 E:622951.5	r Poleti 458 91	12024-06-21 18:20:43:000 Elev:14:318 Code:	Atitude	121-1/22.51635 £) 14.318m
A2 input N:3450138 E:622946.3		the local division of	to a province of the second	12111/22.51635 E
and the second second	t Point 466 92	T 2004-06-21 18:22:50.000 Elev.14:349 Code:	Coordinatina Coordinatina Latitude	9 📃 🖉
A3 input N:3450110 E 622947.6	: Polet 466 84	T 2024-06-21 18:24:34:000 Elev:14:324 Code:	Northing Easting Elevation	3450141,428m 622951,675m 14,333m
Name	2.19	1	Known Point Coordinates	3 画 🗹
Main Cor	interative	Survey Point	Name	K3
← Coo	ordinate	Select	← Localizat	ion
		Use Vertical Control	-	0
		Use Horizontal Contro		0
		Options		
		Longitude		5
		GNSS Point Coordinates	¢ 💷 ۱	4
		Elevation	14.3341	c)
		Easting	622951.6845	m
		Northing	3450141.4360	m.
		Known Point Coordinates	3 曲 1	ø
		Name		63

Add the remaining point pairs in sequence. You can also enter the known point in point database in advance and select the input points.

Data Content	
K1 HR 0.3110958 10680'N L.12111722.51635'E H:14.318	MS:0.000 VRMS:0.000 N:3450141.436 E:622951.685 Elev:14.334
1.9	
And - Import	Export Calculate

After adding all the point pairs, click *Calculate*.

Contra orterinaria.	
K1 HR 0:31109:59.106801N L.12111722.516351E H.14.318	MSI6.000 VRMSI0.000 N.3450141.436 E.622951.685 Elev:14.334
K2 HR 8.31109559.01164'N L.1211722.31875'E H.14.349	MS:0.000 VRMS:0.000 N:3450138.462 E:622946.400 Elev:14.343
K3 HR B:3110958.102241N L12111722.355211E H:14.324	MS-0.000 VRMS-0.000 N 3450140.494 E 622947.653 Elev.14.310
	Contract Constants

Select the convert method and the accuracy limit according to your project requirements.

← Localization Setting	5	÷	Localization S	Settings	
Convert Method HAd	Ajustment + V	Cen	vert Method	HAduato Aja	street >
Horizontal Accuracy Limit	0.309.2	Hori	contal Accuracy Li	m#	0.109.2
Vertical Accuracy Limit	0.1m)	Verb	H Adjustment + H Adjustment + H Correction + Datum + H Con Correction Datum (7-parar	t V Ajustme V Correctio rection + V meter)	c mtu
Convert Method HAd	S Ajustment + V - >	← Com	En Localization S vert Method	Settings H Adjustm Aki	ent+V >
Horizontal Accuracy Limit	0.1m 2	Hori	Horizontal A Limit	couracy V	∕ 1m >
Vertical Accuracy Limit	0.1m. >	Vert	0.1 0.02 0.03 0.05 0.1 0.2 0.5 1		1m >

Cocalization Settings	← Localization Settings
Convert Method HAdjustment + V Ajustment	Convert Method H Adjustment + V
Horizontal Accuracy Limit 0.1m 2	Hert Limit
Vertical Accuracy Limit 0.1m >	Vers 0.1 Int.3
	0.02
	0.03
	0.05
	0.1
	0.2
	0.5
	1
200	DK.
	Sattings
Convert Method	H Adustment + V
Horizontal Accuracy i	Limit 0.1m >
Vertical Accuracy Lim	sit dutre >

You can click Export Report to save the projected coordinate system parameters. Click **Apply** to apply the localization.

← Local calcul	ization relation re	parameter sult		
Conversion (esittuiil			
K1 K2 K3	HRMS:0.0135 VRMS:0.0170 HRMS:0.0234 VRMS:0.0270 HRMS:0.0345 VRMS:0.0413			
Ellprovid Par	ameter			
WGSB4 Semimajor i 6378137	NİK:	1/1298.257223563		
Projections	Painimit	er		
Transvers	e Merca	tor		
Central Meri	dian	E120'00'00'		
False Northi	ing(m)	0.0000		
False Eastin	g(m)	500000.0000		
Scale Factor	N. C. C.	1,000000000		
Projection H	eight	ight 0.0000		
Latitude of 0	Xigin .	N0.00.00.		
Liport H		Algerty .		

5.5 Tilt survey

The X1 GNSS receiver has a built-in IMU module that supports tilt surveying up to 60°. The system will accurately calculate the actual offset based on the tilt angle, reducing the user's burden on centering pole at each measurement.

The tilt function option will appear in each survey/stakeout function interface. You can click to turn this function on/off.

Tilt initialization is required when using it for the first time or when its calibration expires.

The following steps give an example of tilt survey.

1. Open IMU: Go to survey >> Point Survey >> click the button to open.

After clicking the tilt IMU button, the system will prompt you to check the antenna information, pls check whether the antenna height is correct.



2. Initialization

After clicking the IMU button, you can follow the guidance on the interface to complete it.

During operation, ensure that the receiver can search the satellites and obtain a fixed RTK solution.



() NOTE

If the receiver is powered off or reset, it will need to be reinitialized.

In survey interface, you can find the bubble and angle value showing how you tilt the pole in real time. To ensure the accuracy, please keep the tilt angle less than 60°. When the pole tilts within 60°, the built-in IMU precisely calculates the actual offset, the accuracy of which can be accurate to ± 2.5 cm.



Tip: Do not shake or rotate the receiver violently, otherwise you need to re-initialize.

5.6 Detail survey

In detail survey interface, both local coordinates and Latitude/Longitude will be displayed when measuring.

- Click kit to start or stop collecting data
- Click ^e to set settings, display info and tool bar.
- Click to check point coordinates; you can add note, info, arrow drawing and photo.
- Click do to open IMU to do tilt survey.

	HED.07	11 🇞 🗍 24 38/44 🗰
Name Pt4	Code	
Antenna Height		1.6+0.068m >
B 31109155.18051N	N	3449186.739
L 121*1716.0407*E	E	336813.29
H 17.907	Elev	17,907
Inclination Angle		3*49'57.5535*
Projection Angle		130*05*22.3666*
Distance to Ref		none
2 11 7		Ready

5.7 Control point survey

By measuring the coordinates of the same point several times and taking the average, you can get more accurate coordinates. This function is usually used to measure control points.



- Click 📥 to start or 🔛 stop collecting data.
- Click ¹ to set settings, display info and tool bar.
- Click to check point coordinates; you can add note, info, arrow drawing and photo.

5.8 **Point stakeout**

Go to **Stake point** interface, add or import the point coordinates you need to stake out, you can also click Button Library to select from the point database.

• Click Add to input coordinates

← Stake	Point		← New point	
Paint Coordinaties	To-Diele Care	Preview Map	Name	Pt1 X
Name 0	nout query keyword		Code	
			Coordinates Type	Local Coordinate 🔅
			Northing	
			Easting	
			Elevation	
			Property type	Input Point >
			Add time	2023-10-26 05:40:33
Arld	Button Impor	t Export:	1	CHC.

• Click button library to choose one

← Stake	Point		÷	Coord	linate lis	t selec	tion
Point Coordinates	71-01-0-7500	Preview Map	Nan	ne >	Input query	keyword	
Name >	Input query keyword			Select All(1)		
				Pt1 8 N:34491 E:336814	imooth Poin 86.748 4.987	Code	Range selection
				Pt2 s N:34491 E:33680	imooth Poin 98.041 0.901	t T:202 Elev: Code	3-10-24 07:37:09 17.782 :car
				Pt3 s N:34492 E:33680	imooth Poin 08.860 4.094	t T:202 Elev: Code	3-10-24 07:37:55 18.004 :building
				Pt4 s N:34491 E:336813	mooth Poin 86.734 3.291	t T:202 Elev: Code	3-10-24 07:48:13 17.902
				Pt5 0 N:34491 E:33681	Control Point 88.841 4.520	T:202 Elev:	3-10-24 07:52:16 16.406
And	Button Librury Impor	t Export		Add			ок

• Click Import to import point data with different file types. You can also define a new format according to your needs.



Select a point to stake out, SingularPad provides a navigation map when staking points/lines. The software alerts you when you approach the target point to the set range value.

For X1 receiver, you can use IMU staking feature. In the IMU staking, you can turn on the IMU feature without keeping the receiver perpendicular to the ground. The maximum tilt angle is 60°.



- There is a direction prompt on the floating window
- Click to start or stop stake points
- Click
 to open or close IMU
- Click ^[1] to scale automatically to full map
- Click
 to jump to current point
- Click to jump to next point
- Click T to jump to previous point
- Click for set skate out settings, display info and tool bar, you can edit the prompt range and range error
- Click to open compass



5.9 Line stakeout

Go into Stake line interface, add or import lines you need to stake out.

← Lines D	atabase	
Content List		
AB(18,895m Delete 9181 9205 Elevation diff	Edit 1336 Inser	Start Station:4 h Stakeout f slope:7.456%
Add	Import	Export

- Click Add to input line parameters
- Click Import to import point data in different file types. You can also define a new format according to your needs.



Choose a line to stake, set Offset, Cross-Section Slop and Stakeout by Pile-to-Pile Coordinate parameters.

- Click 💛 to jump to next line
- Click K to jump to previous line
- Click for add stake

5.10 CAD mapping and stakeout

When using this fuction for the first time, the CAD interface has no layers and floating window to display the features you need to stake.



• Click to create or import a CAD file, supporting *.dxf, *.dwg format

← CAD layer			÷	New layer	r		
Content List		t↓	Laye	r Name			
O Default	Wor	R Layer	Colo	r			
			Visib	oility			
	_						
New-	import, :	Export		Cancel		ок	
← CAD layer	}		÷	Import Fi	ile		Settings
Content List		t∔	File	Name			
O Default	Wo	rk Layer	File	Type Au	utoCAD file	e(*.dxf,*.dwg)	> 🖻
			Pro	ogram Storage/	SingularPi	ad/Map	t↓
			13	Go to intern	al stora	ge root dire	ctory
			150	Go to progra	am stora	age director	у
			91	Return			
-		_					
New	Import	Export			ок		

• Click to draw features, there are 12 types and methods you can choose, follow the prompts and draw.

nt. H:	1.6m+0.068m L	ayer point
	Ine	Nº polyline
	(m	polygon
1	🔲 square	square center
5	rect	rect center
38	💮 circle 2p	C circle 3p
- 2	🕼 Spline	🥔 Settings
	8 / 0	

• Click on the Find tools. They can help you to work smoothly. For example, to find the intersection points of neighboring circles.

+	FIXED Agirl	HB 033 🏠	🛔 🔶 🌐	FIXED HD.0 Age1 V:0.0	13 🇞 🔒
N:3449 E:3368 Ant. H:	183.101 H 12.111 B 1.6m+0.068m L	E16.923 lase distance:nor ayer:point	N:3449295.71 E:337011.026 Ant. H:1.6m+0	8 H:17.5 Base ().068m Layer:	12 listance:28.500 building
	G tet 2 Diet	1 Int & Point		6	- P
P	G int Entity	A. Dist offset	1.	-	200
5	🖌 Nist offset	7 Divide	話	1	ma
52	🏏 Meanan	D invert	-1		
-1	>" Lengthen	Area division point			0
0	840	• 🖉 🔁		110 V 🗙	50
Name	Pt6 × Cor	te E	Name Pt10	\times Code	552
Antenr	na Height	1.6+0.06Br	n > Antenna Heig	ht	1.6+0.068m >

In the CAD interface, you can choose a feature you want to stake, it will show up in blue. You can know the details about it, including length, start point, end point and center point. And choose the way to stakeout.

• Setting: Set the method of stake out, offset distance, interval etc.

- Start station: If you set the start station as 5m, then the final mileage will plus 5m.
- Offset: If you set the offset 5m, then you will stake the line 5m away from the line you choose. The plus and minus represent different sides of the line.
- Setting out by pile by coordinate: including station number, station distance and segment
- Station distance: Stake the line at a specified distance, for example, if the line is 40m, you set the specified distance as 8m, then you will stake the line at 8m distance every segment.
- Segment: For example, if you set the segment as 4, then you will stake the line at 4 segments, every segment length is the same.
- Station number: You will stake the line at the station at each interval point. You can stake it out according to the direction.
- Key node: It will stake out the line with starting point, ending point, midpoint, fold point, etc.

5.11 DSM stakeout

You can stake a surface by staking out elevation of each point on the surface.

if you haven't used a surface file before, you need to create one by adding, importing or selecting from the database.

You can get a preview map of the surface after adding points and don't forget save it.

At the content list interface, you can find the surfaces you created, and you can edit, share and stake them.



If the current position is not within the design surface, it will prompt "Out of surface!". If the current position is within the design surface, it will show the fill or excavation value.

5.12 Points Database

The points, which are surveyed, staked, added, imported, and input from display map, will be stored in point database. The surveyed points will be shown under one base while surveying. Also, no matter where you need to select a point, all the points of the database are available.

← Points Database 📃			← Points Database			
Name 🤉 İnput q	unty keyword	8	Name	Input query	keyword	8
E.336814.520	Code:		Select	AU(1) Share	Delete	Cancel
Pt4 Smooth Point N:3449186.734 E:336813.291	T-2023-10-24-07:4 Elev:17.902 Code:	4E 13.000	PI N 344 E 336	4 Smooth Point 19186.734 813.291	E Ra	inge selection
Pt4 Smooth Point N:3449186.742 E:336813.288	T:2023-10-24-07:4 Elev:17.903 Code:	17:18.600	PI N:344 E:336	4 Smooth Point 9186.742 813.288	T:2023-10- Elev:17.9 Code:	24 07:47:18 03
Pt3 Smooth Point N:3449208.860 E:336804.094	7:2023-10:24 07:3 Elev:18:004 Code:building	17.55.799	PI N:344 E:336	3 Smooth Point 19208-860 804.094	T:2023-10- Elev:18.0 Code.buil	24 07:37:55 04 ding
Pt2 Smooth Point N:3449198.041 E:336800.901	T:2023-10-24 07:5 Elev:17.782 Code:building	17 09 000	© Pi N:344 E:336	2 Smooth Point 19198.041 800.901	T:2023-10- Elev:17.7 Code:buil	24 07:37:09 82 ding
Pt1 Smooth Point N:3449186.748 E:336814.987	1 Smooth Point 1 2023-10-24 07:36:33:399 49186.748 Elev: 17.892 6814.987 Code:tree		PH N 344 E 336	1 Smooth Point 19186.748 814.987	T:2023-10 Elev:17.8 Code tree	24 07:36:33 92
Add Recov	R Report	Export	And	Recover	Wright	Export

- Add: Support to add Input Point, and display type supports local coordinate and geodetic coordinate
- Recover: After deleting the points, you can recover them in deleted points interface
- Import: Import points by different formats of files
- Export: Export points by different formats of files
- Search: Enter the name of the point you want share or delete

Tap any point to view the detailed information. The information includes antenna height, solution status, WGS84 Coordinate, local grid coordinate, base id and measure time. If the point has been calibrated, the offset parameters will be displayed.

4	Point De	tails			
Name	Pt1	×	Code	tree	===
Anten	na Height	i.		1.6+0.0	68m >
Solut	tion Statu	s		FIXED	(39/44)
в	31'09'55.	1817'N	N	3449	186.748
L.	121*1716	1048'E	ε	3368	814.987
н		17,892	Elev		17.892
Scale	Factor			0.9999	256646
Spee	d	1	Headin	a	0.000
PDOF	6	0.900	HRMS		0.011
HDOP	2	0.800	VRMS		0.022
VDOF	6	0.800	AGE		1
Avera	ge GPS Co	unt 5	Cut-of	f Angle	5
Phot	io And Shi	ntch.		OK	

5.13 Data export/ import

SingularPad supports to export/ import data including grid coordinate, Lat/Lon coordinate with various data format, and supports importing *.dat/*.csv/*.kml file and export result of *.dxf/*.kml/*.shp/*.xls/*.csv.

5.13.1 Import points data

Tap Import data in project interface, there are some predefined data formats, click More to get more predefined formats.



- Data Type: support point database, transformation parameters file and code library
- Import File Format: support *.csv, *.dat, *.txt, *.kml format etc.
- Distance Unit: support meter, US survey feet and international feet

Besides, you can click now to create a User defined type.

← Custom format					
Format name					
Extension name	dat >				
Field delimiter	Comma(,) >				
Custom format descr	ription				
Options					
(null)	Point Name				
Code	Northing				
Easting	Elevation				
Latitude	Longitude				
Altitude					
Backspace	ок				

- Format name: Enter the name for the format
- Extension name: support *.csv, *.dat, *.txt, *xlsx format
- Delimiter: support comma (,), semicolon (;), space (), tab (Tab)

Click to choose elements in the options list, click backspace to eliminate the previous element selected. The elements include: code, northing, easting, elevation, latitude, longitude, altitude.

Choose one format to import data. The default export path is internal storage/ SingularPad/import. You can also change to any other path where the file is. Click preview to take an inspection whether the format is right.



5.13.2 Export points data

Tap Export in Project interface to export point data. Also, click More formats to export the survey points in various formats like stake points/ lines, DXF, SHP, KML, RAW, RW5, HTML, CASS feature result.

← Export data	← Format select
Export Path Ingram Storage/SingularPad/Export	Road section data
File Name Project ame 2 + Choose Export File Format	File Format Port Nerro, Northing Easting Elevation, Code
Cass format(dat) Point Name,Code,Easting,Northing,Elevation	Geodetic coordinates format(txt) Point NameLallfudeLongitude.Attitude.Code
Export Para	Survey point data format[GNSS](csv) Point Name Code Northing Easting Elevation Latitud e. Longitude Attrade Local Time District Correction a Biotec Correction a Statistics Correction b District
Point Type Select A	Survey point data format[TPS](csv) Puant Name Orde, Northing Easting Elevation.Local time.Point Type.SD(TPS)/H0(TPS)/H0(TPS)/H4(TP S)/V4(TPS)/Hetactor/Priam Constant(onn), Target
TPS Point Setup Point Setup Point Calculate Point Time Enable	AutoCAD format(dxf)
File sharing Export	New. OK

- Export Path: the default export path is internal storage/SingularPad/export; you can also change to any other path where the file is
- File Name: support project name, operator, data, data time
- Export File Format: support *.csv, *.dat, *.txt, *kml format etc.
- Distance Unit: support meter, US survey feet and international feet
- Road section data: open to export road section data

Besides, you can click New to create a user defined type. The elements include: id, name , code, latitude, longitude, altitude, northing, easting, elevation, N, E, Z, type, local time, UTC time, solution status, AGE, max delay, min delay, use satellites, tracked satellites, cut-off angle, mount point, measurement method, repeat, start data, end time, RMS, HRMS, VRMS, PDOP, VDOP, speed, heading, antenna type, measuring type, measuring height, antenna height, base id, base latitude, base longitude, base altitude, distance to ref, original latitude, original longitude, original altitude, undulation height, station correction h, inclination correction, pitch, roll, yaw, inclined angle, projected angle, stakeout type, target, station, offset, north diff, east diff, elevation diff.

For the points, lines and polygons you surveyed in point survey, you can export dxf file, then you can edit them in third party CAD software, or import to base map to check, or import to CAD to stake. Choose the data that you want to export including survey point, input point, control point, stake point, line and polygon, and the layer properties includes name, code and height.

Portfait narme.	
Extension name	dat (
Field delimiter	Comma(,)
File header	00
Sustom format descr	liption
Distom format descr Options Point Id	Point Name
Options Point Id Code	Point Name Code Remark
Distom format descr Distions Point Id Code Northing	Point Name Code Remark Easting
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FCC Statement

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for controlled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator& your body.

Note : This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.