HEMISPHERE GRADEMETRIX

Quick reference booklet

Produced by Red Edge Resources.

Ver 1.0

To turn on system: press and hold the orange button until it beeps.

To turn off System:


Press this icon in the top right


Press this icon and select shut down.

This will turn off the system safely without damaging the unit.

TASKBAR ICONS

Receiving corrections:

This is located in the top taskbar and lets you know that your system is reading accurately. If it is not **FIXED** then you will not get cut/fill readings or take Topo points.

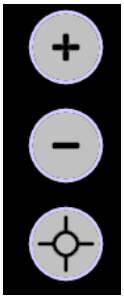

Press this icon to get quick information regarding your position with coordinates.

Press it again to close it.


Press this icon to get more detailed information on radio, satellites, sensors etc.

Press it again to close it.


Press this icon to change your views—plan, profile, cross section etc.



Zoom in

Zoom out

Centre on vehicle

CUT/FILL Bar

Your cut/fill bar will be to the left of screen. It will show when to cut or fill in relation to the design surface.

If it has yellow and black stripes it means your either not on the design surface or your sensors are offline.

These arrows will increase or decrease your design offset. Ensure you check this is correct before work.

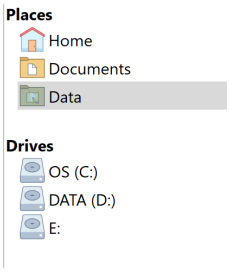
Warning: Putting in an offset changes the design and therefore the potential for you to over/under cut.

A design offset can only be approved by a supervisor.

Open an existing job/design:

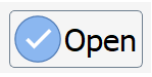
Press this icon in the top left of screen

Press this icon



Navigate to the file location where the jobs are saved. This is normally the first screen that comes up.

Job icon looks like this and will have a design name. Select the one you need.



Press this icon to load that job.

Create a Job

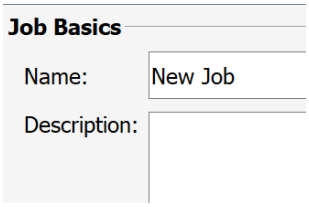
Press this icon in the top left of screen

Select the man Bottom left

Tick 'Administrator'

Select New Job

Job Basics:

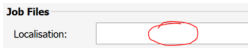


Put in name of design/job and then press Next

Job files:

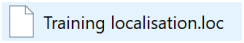
Load localization file

****ONLY REQUIRED IF YOUR STE USES LOCAL COORDINATES****



Click in the red circle area to bring up the selection screen

Select your .loc file and press open



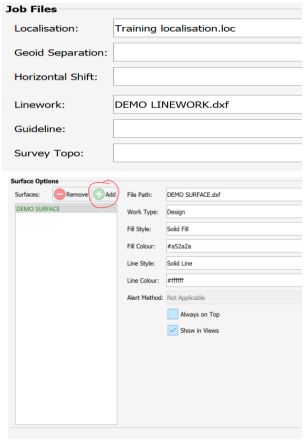
Load linework file

Click in the red circle area to bring up the file selection screen

select the USB drive on the left of screen, normally D:

Select your linework file and press open

It should look like this:

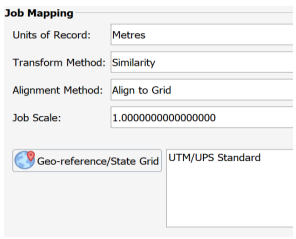


Press next and then upload your surface file

Press ‘Add’

And upload surface file the same way as the linework

Press next



If you use published coordinates press on ‘Geo-reference’ tab and select your coordinate system

Press Next and Finish

The job will be created and loaded to the screen for you.

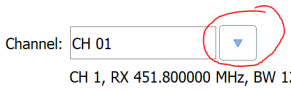
Change frequency:

Press this icon

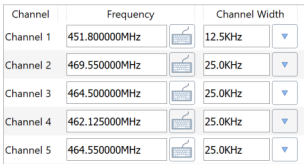
Press arrow to next screen

Press ‘RTK Source config’

Select the drop down box



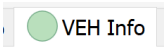
Select the channel number that corresponds to your job site. If it is not there, input the Frequency and Channel width.



Press ok to apply settings.

Check current elevation when checking accuracy of machine.

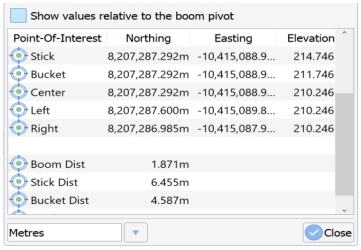
Press this icon top right



Open this tab

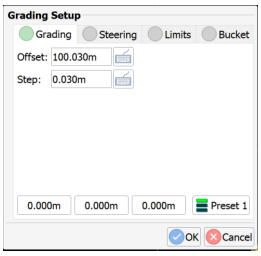
Press this icon

Box will come up with all the Northings, eastings and elevation for various points of interests. Check these against your bench mark (control point on the ground)

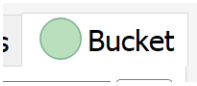


Change point of interest on the bucket. (Where the GPS reads to and shows a cut/ fill on your screen).

Hold your finger on the cut/fill indicator to the left of screen.

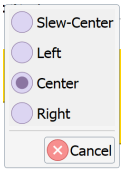


A grading setup box will appear



Select the bucket tab. (Will be blade if in Dozer)

Select dropdown box arrow.



Select the position you want to get GPS guidance from—Left, centre or right bucket tip

Using Topo to create points and calc inverse

Use Topo to create a topo point file by either manually storing points or auto storing points and then use the calculator to get distances between those points.

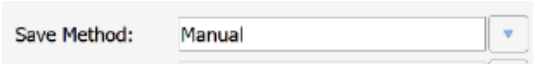
 Press this icon

Press this icon

General settings:

Input name of topo file

Choose manual or auto top



Fill in other settings as required

Once complete press this icon

Is for manual storing of points

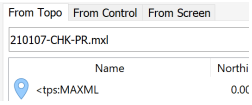
Start auto is for automatic storing of points either by time intervals or distance travelled.

Press either of those icons to start staking points.

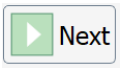
To calculate distance between points:

Press this icon

Press this icon



Select the first point from the Topo list



Press next and then select the next point and then press next again

Results page will come up

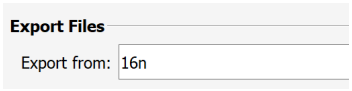
Results page will give you distances between those two points. Select finish to return to the main area.

Transfer points to USB (.csv file)

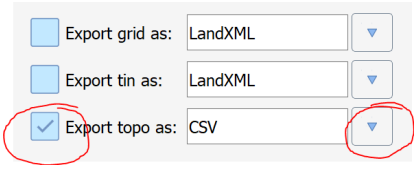

Press this icon

Press this icon (File tools)

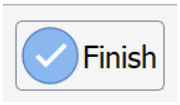
Export from: Select your current job



Tick only 'Export topo' and select CSV via drop down box



Export to—Select your USB drive



Select finish

Your points will be transferred to the drive you selected. It will be in a .csv file format

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Support contact number:

1300 769 359

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