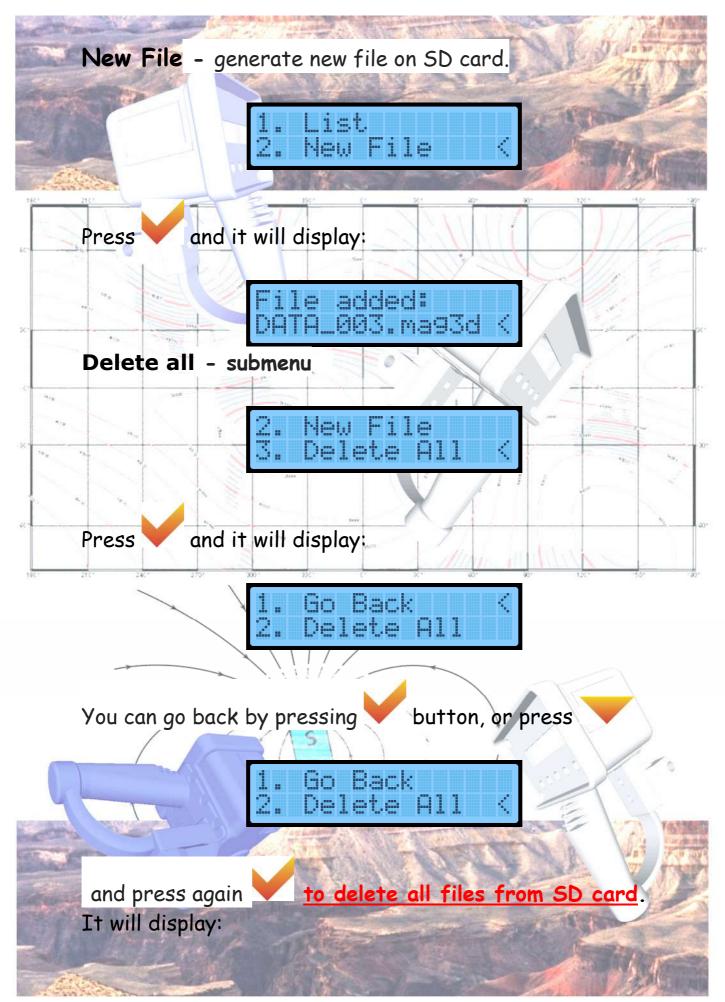


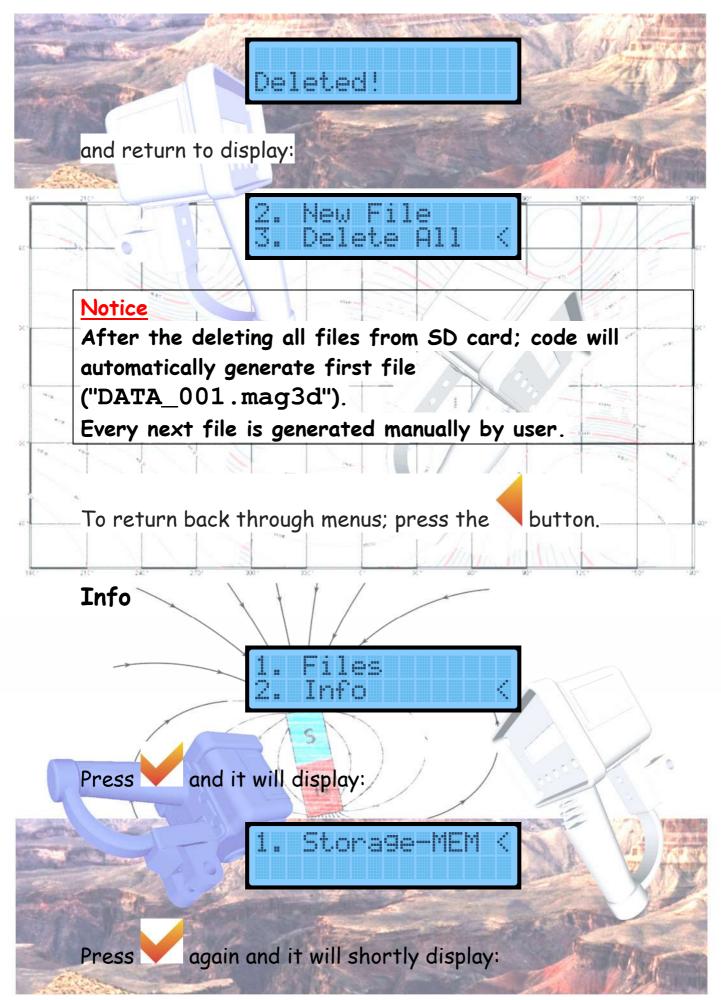
To return back through menus; press the 🔪 button.

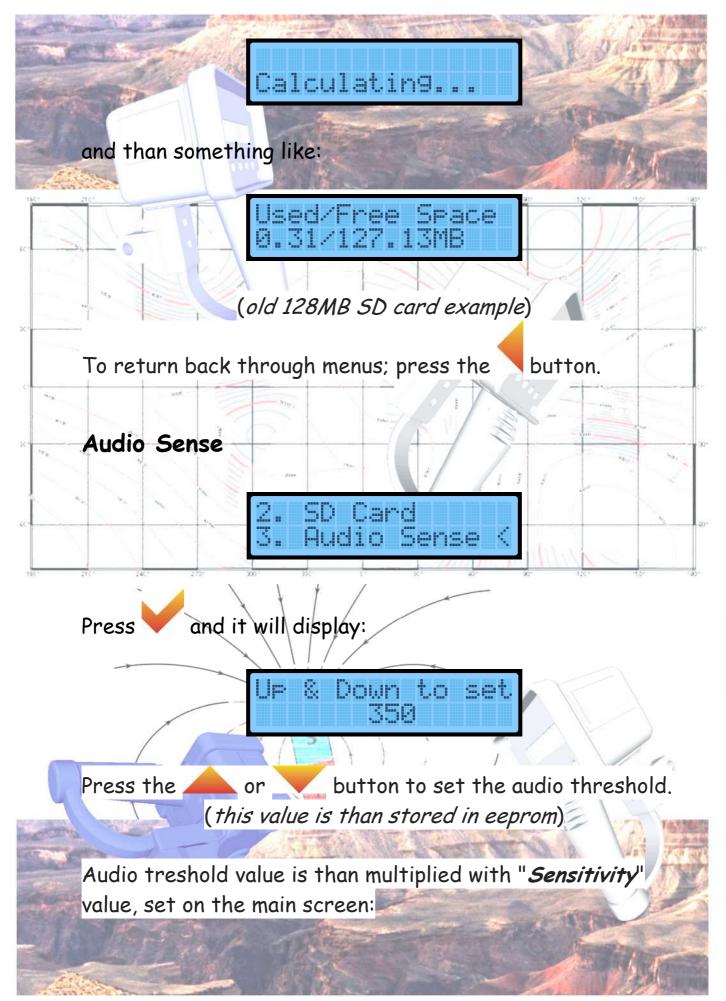
Notice

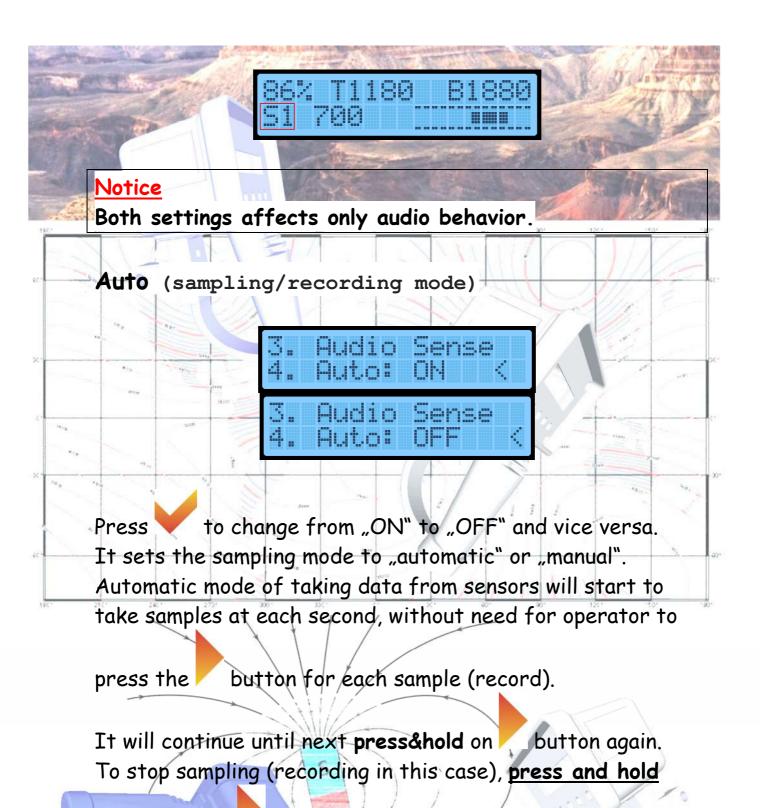
If empty SD Card is inserted; code will automatically generate the first file ("DATA_001.mag3d"), after the powering ON the device. Every next file is generated manually by user.

Send via BT - will send the file through BT when connection is established with pc computer.









for short the button, until audio apears, indicating the stopping of recording/sampling.

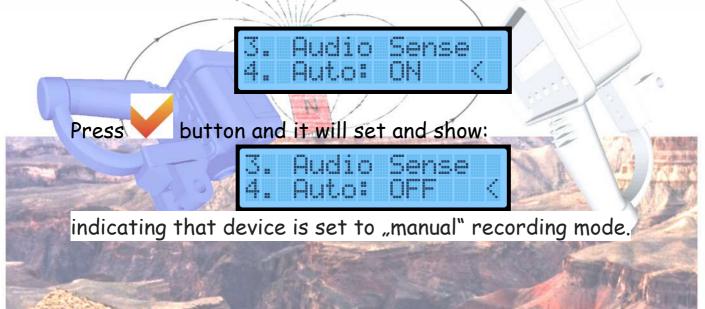
Next press on button; it will continue with recording in the same column (*unless COLUMN+ was pressed in*

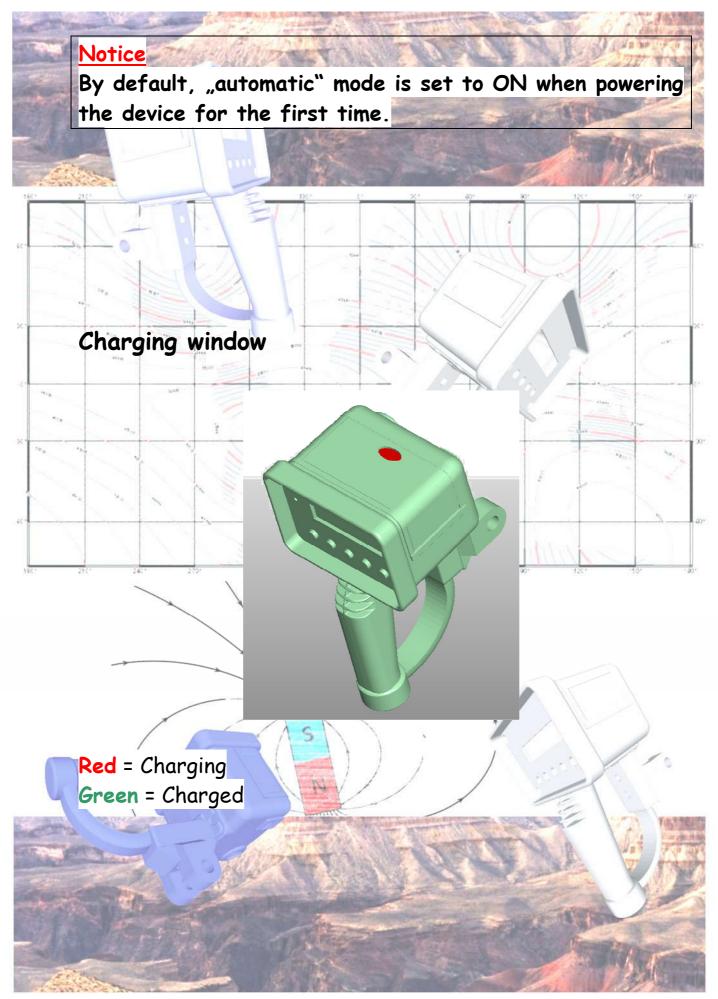
meantime to switch to next column and place further samples/records in it).

So, procedure for proper sampling/recording in "Auto" mode would be:

1)	Stand on 1. row and 1. column on matrix.
2)	Press button once to take the referent values ("NULLED" appears shortly on LCD)
3)	Press to start sampling/recording.
4)	Start walking the current column, trying to keep the one second pace at each sample.
5)	At last row of current column <i>PRESS and shortly HOLD</i> the button, until hear the confirmation sound .
a) tu	In case of "zig-zag" scanning method (set in pc software); urn for 180 degress, step into next column (last row now) and manually rotate the sensor pipe for 180 degrees.) In case of "parallel" scanning method (set in pc software); walk back and stand on first row of next column.

Repeat from "3)" till "6)" until the whole matrix finished. To switch off the "automatic" mode and put it in "manual mode", while in menu:





EUROMAG 3D Windows PC software

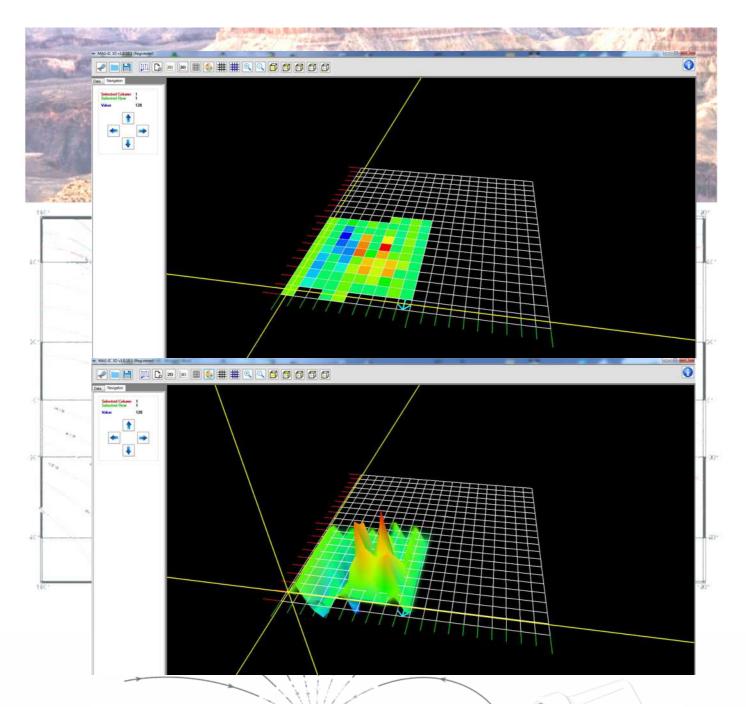
I D = H II D = = II 6 II II 9 0 0 0 0 0

With EUROMAG 3D, you can view your terrain recordings in two-dimensional and three-dimensional graphic representations.

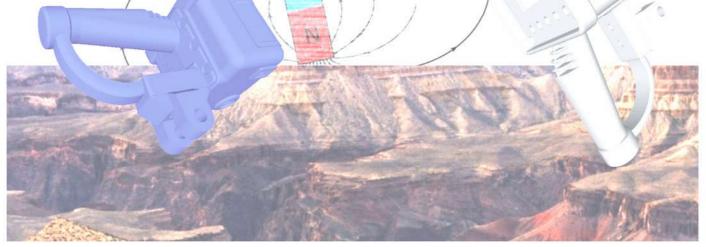
Load a recorded sample from a file or record it live by establishing communication between your device and the software.

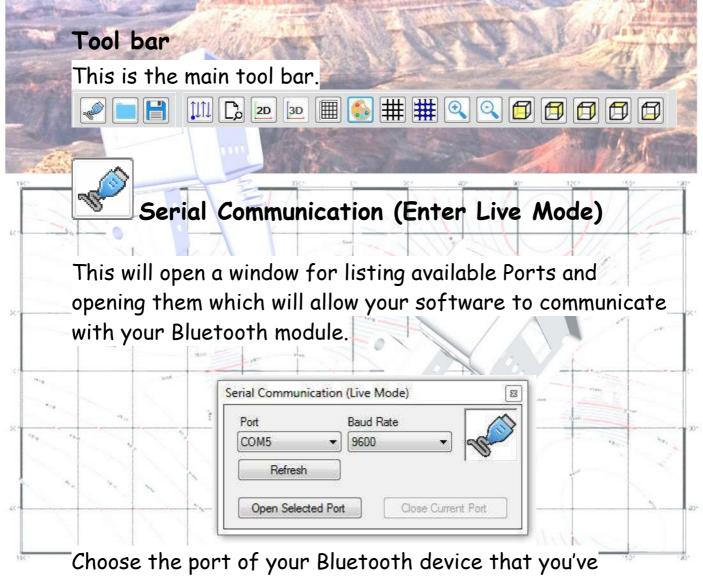
The graph is simple and can be customized for better appearance of your preference.

Use the quick settings tab to adjust proper height of the 3D graph's peaks, color divisor, toggle coordination arrow and sounds

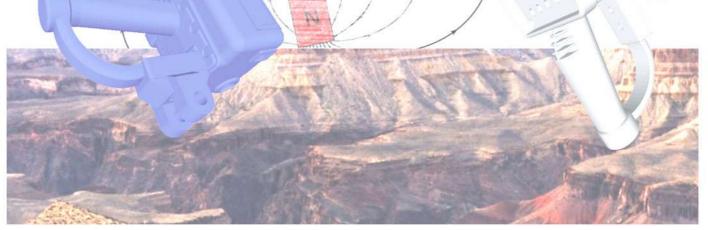


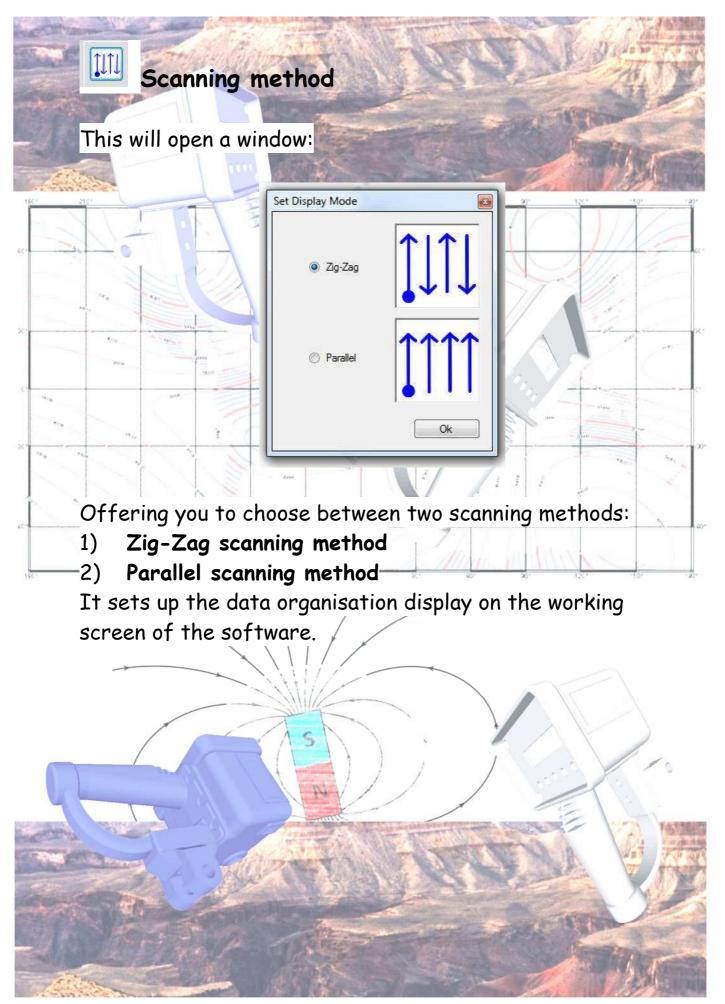
The Navigation tab lets you navigate through the graph and view the data values of each cell.

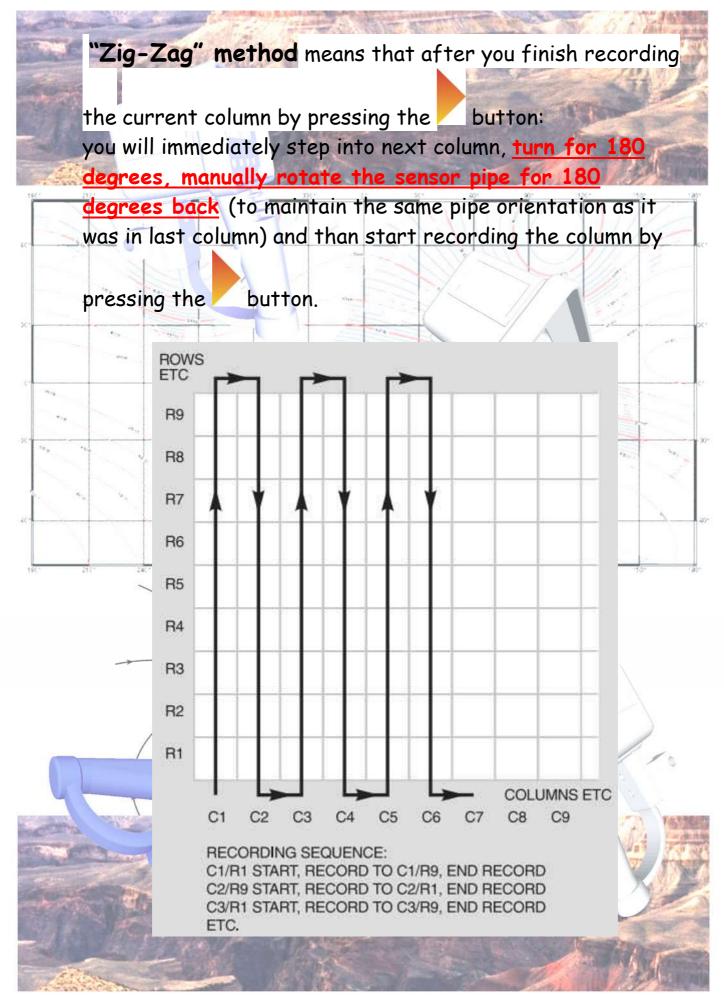




connected to your computer from the dropdown list and Open it which will put the program in Live Mode from where you can start recording your device's data or transfer already recorded files from your device to pc software. After you're done, you can either Close it from here or just exit the program.



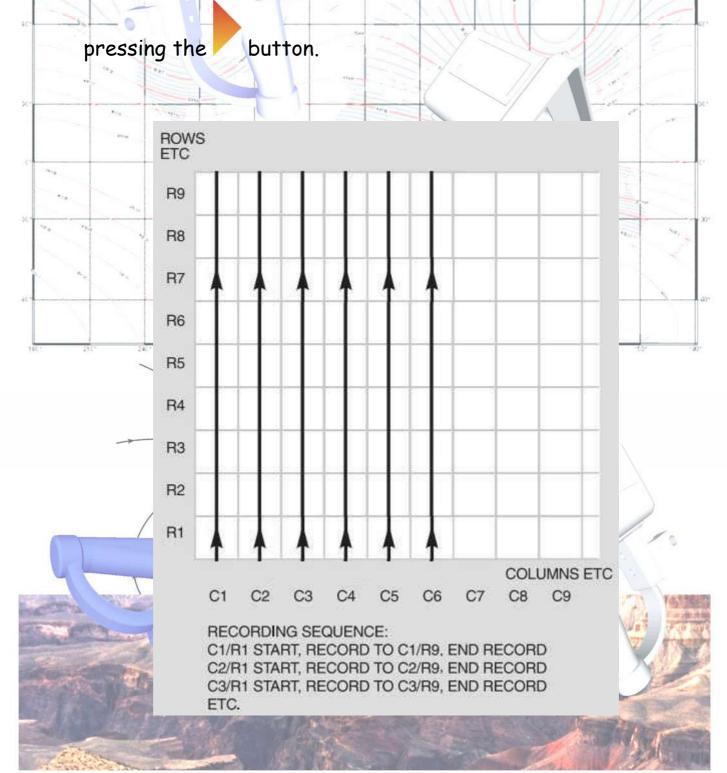




"Parallel" method means that after you finish recording

the current column by pressing the button: you will walk back to the first row on matrix and step into next column (not turning for 180 degrees and not rotating

the sensor pipe) and than start recording the column by



Open File / Save to File

Open a .mag3d format file that contains saved data and seven a local seven and seven a seven and seven a seven a

Lo View data table

768

96

160

256

64

-1056

-224

224

384

160

224

96

-896

-224

160

1568

96

64

320

-768

416

-224

288

896

96

32

320

320

-608

-256

-128

to a file.

View the current session data in table form. The table is made of Rows and Columns like the graph, in current set Matrix Size and represent the data values.

-416

96

32

352

288

-768

-288

-96

6

-384

128

32

32

288

-608

-736

-448

256

128

-320

0

288

-192

-1696

-448

160

-160

0

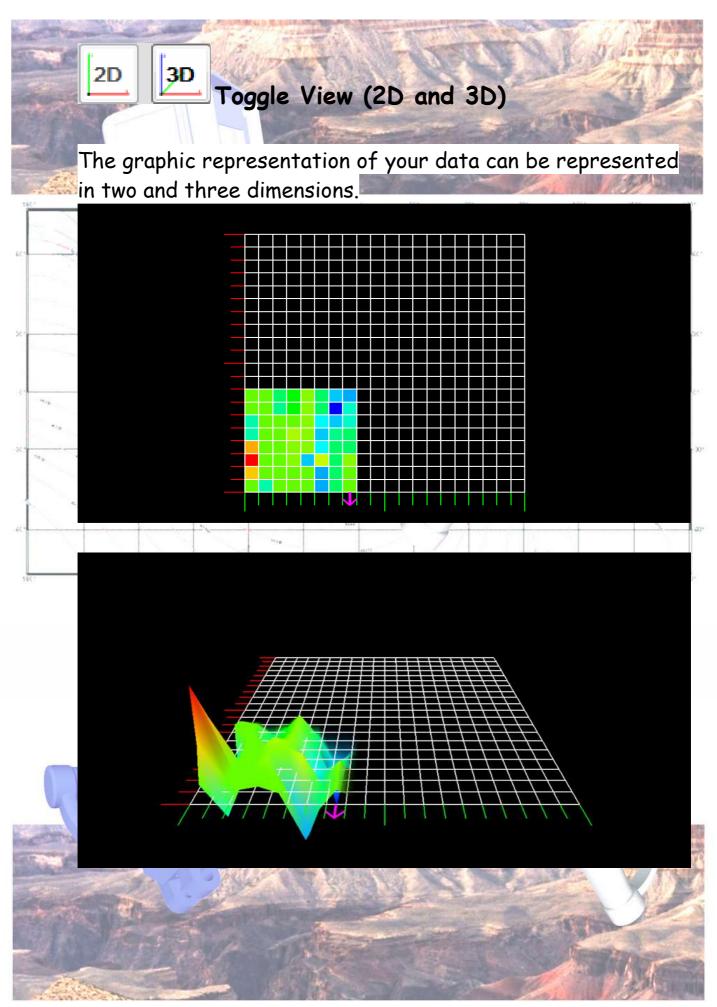
288

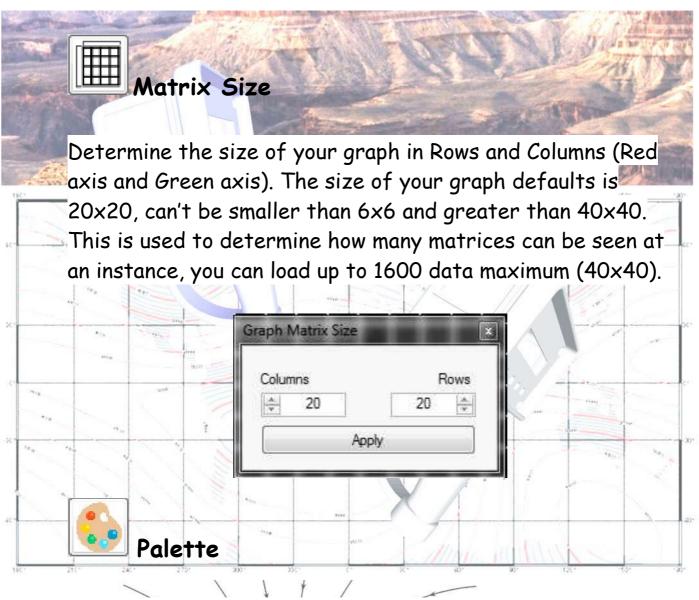
-160

-832

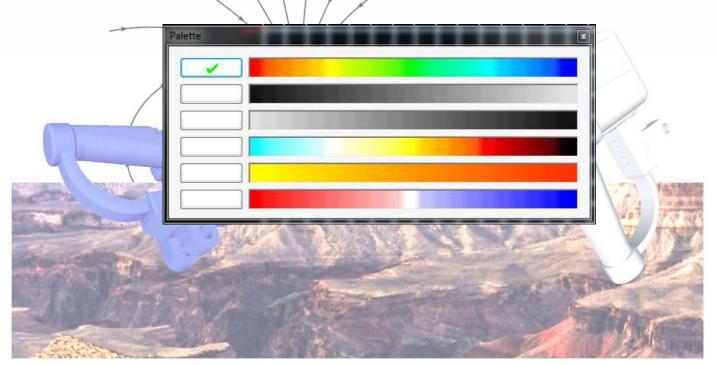
-960

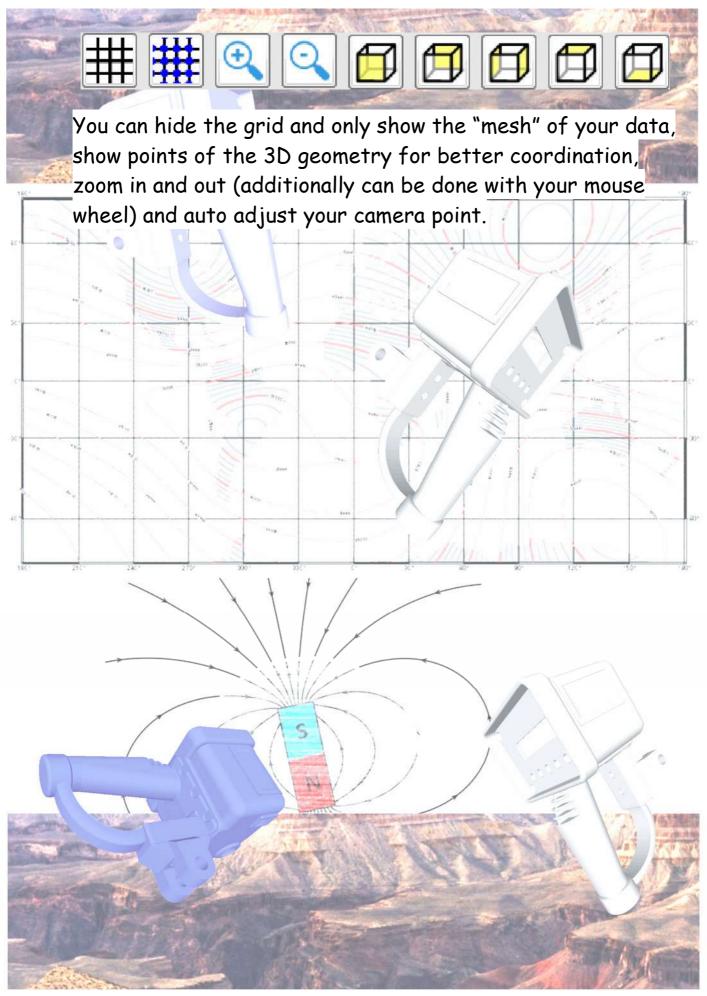






You can set different color combinations for your graph.





EUROMAG 3D Android application

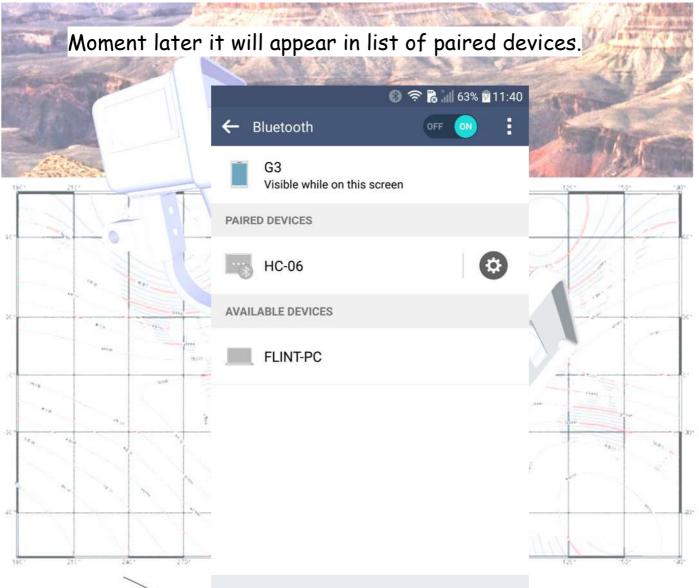
In order to use magnetometer with Android application; first you have to connect magnetometer through the BT connection with your Android device.

Turn ON the magnetometer.

Enter the Settings on your Android and go to BT (Bluetooth) section of the Settings.

After a while magnetometer BT will appear in the list of BT devices. Tap on it. Choose "Pair" option.

**	Bluetooth	pairing request		Bluetooth	pairing request		
	e.g. 0000 or	WERTY keyboard		HC-06 Enter PIN to pair the device. •••• e.g. 0000 or 1234 Use QWERTY keyboard			
		CANCEL	PAIR		CANCEL	PAIR	
	1	2	3	1	2	3	
	4	5	6	4	5	6	
	7	8	9	7	8	9	
	×	0	Done		0	Done	
	Setter (A State	A SPE	CAL V			
and the second	r will ask	for PIN ((password)	. Type 123	<mark>4</mark> and thar	ı tap on🣂	

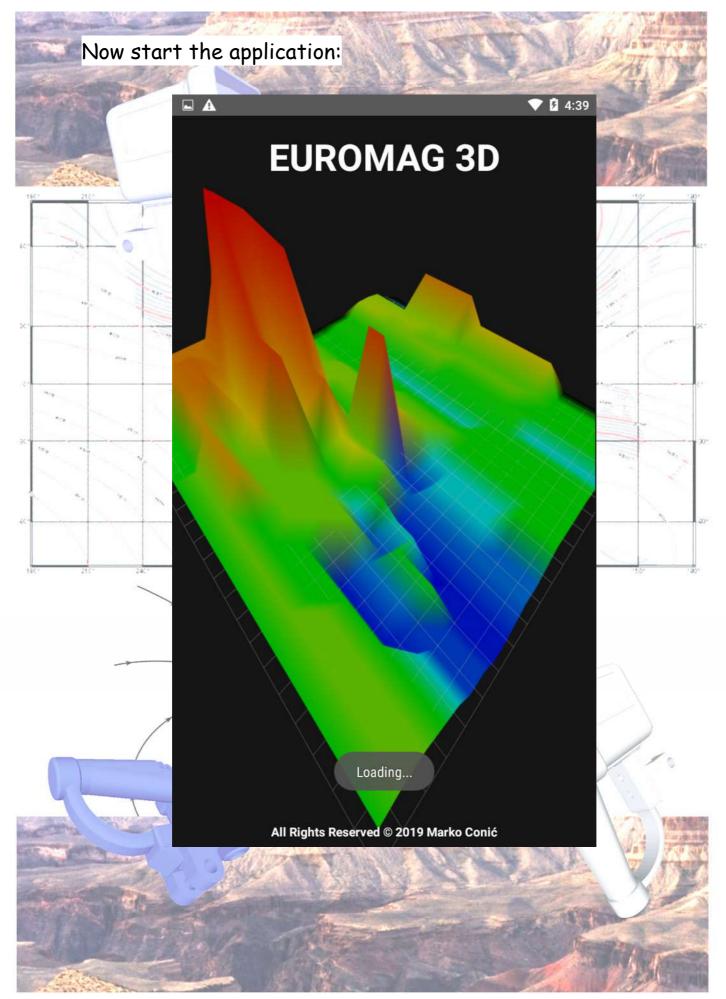


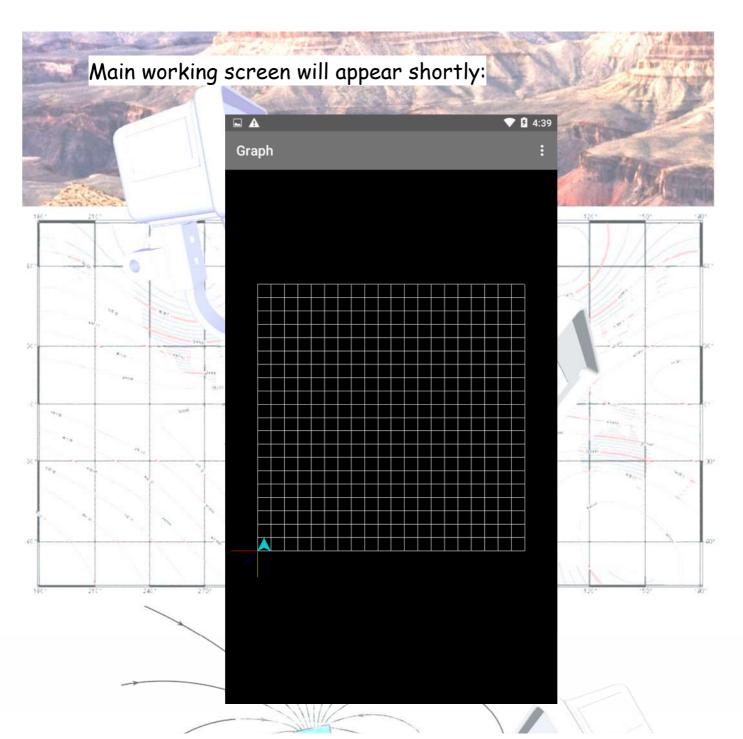
SEARCH

Now you can exit the Settings on Android device. Magnetometer is "paired" to Android device on system level. <u>This part of connecting with the magnetometer you will have</u> <u>to do only once, initialy, at first use.</u>

Notice

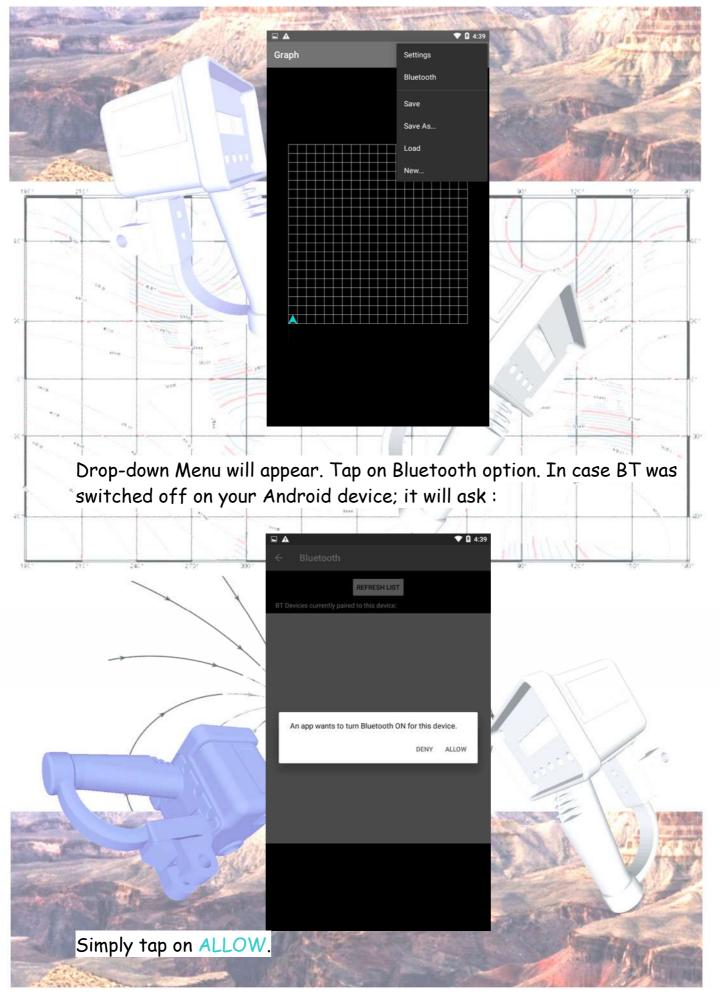
Android devices along with Android versions may vary in some details which will be displayed during this process.

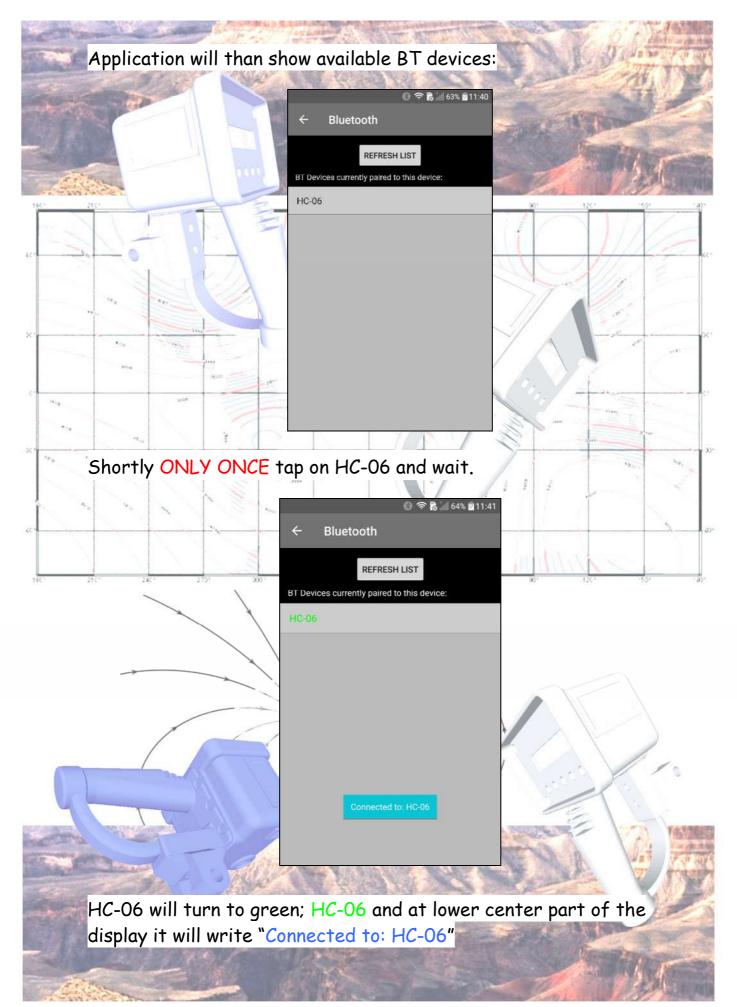




First thing to do is to connect the software through already established connection of the BT with magnetometer. There are 3 dots on upper right part of the screen.

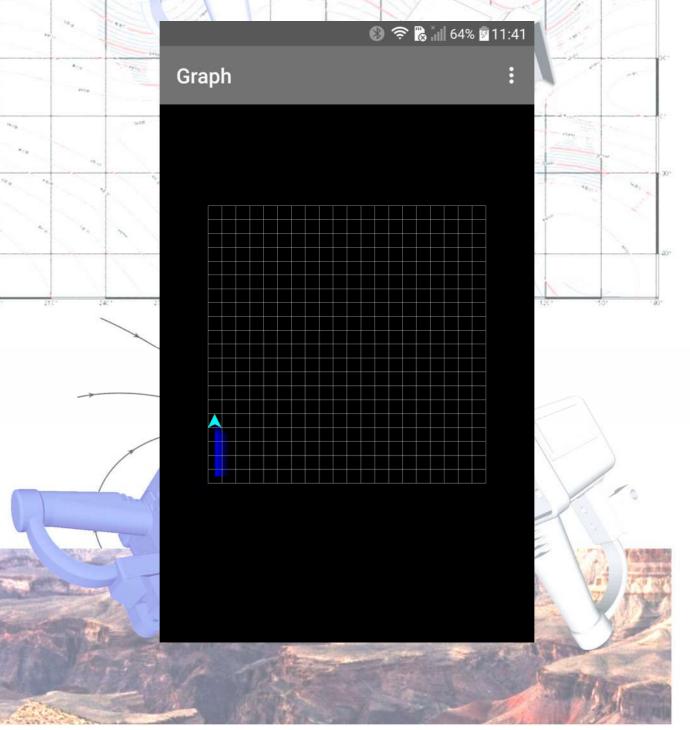
Tap on them once.





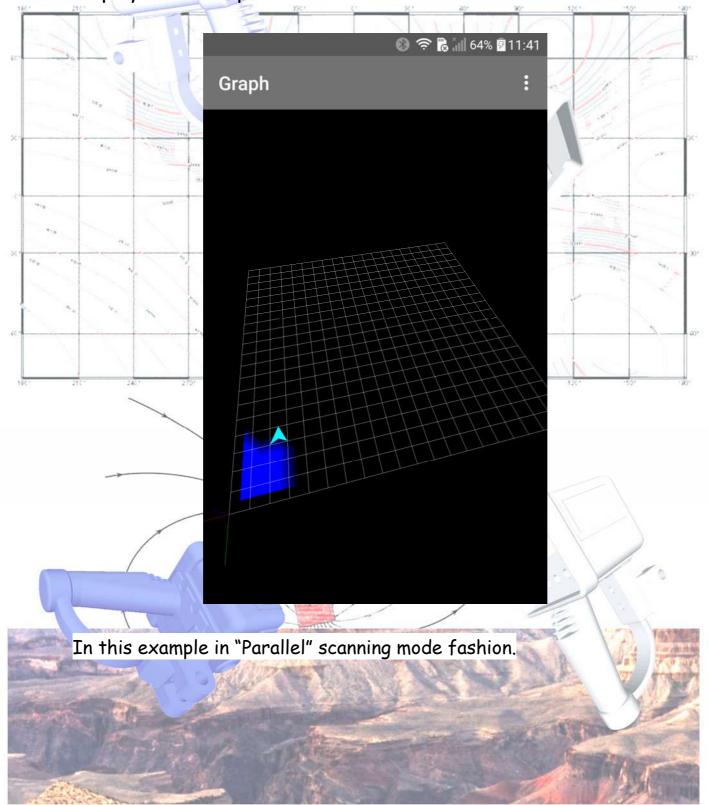
Back to main working screen with tapping on left arrow at the upper left part of the display. Magnetometer is now directly connected to Android software in "Live mode".

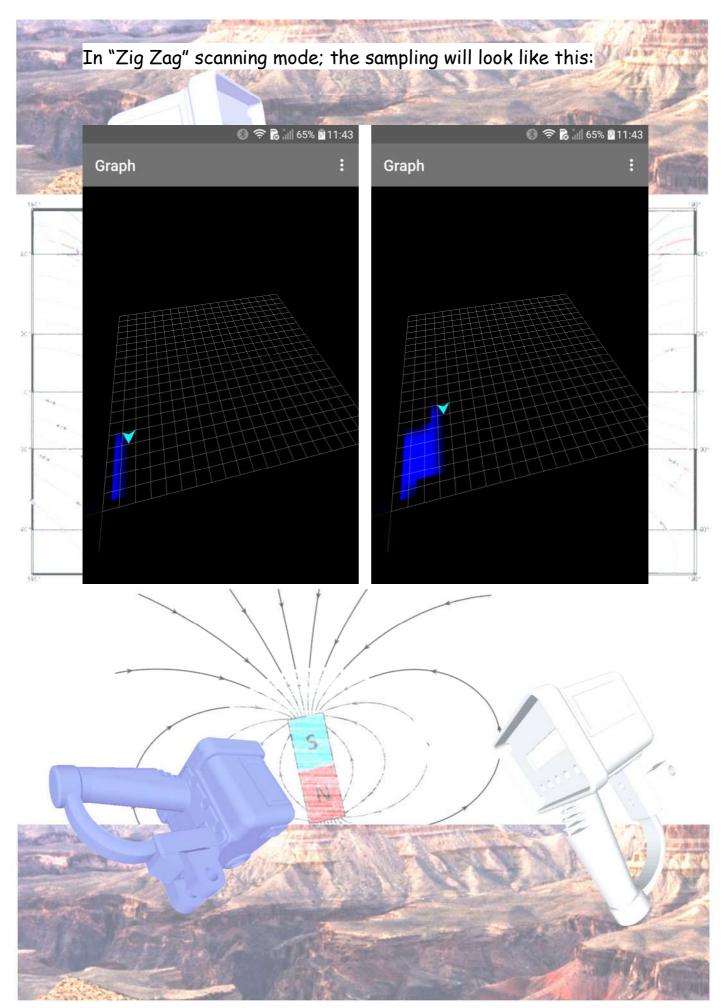
If you press the button on magnetometer and take the sample; you can see the samples immediately displayed on the Android display, properly organized in matrix.



If you press the _____ button on magnetometer; you will notice the change of current comun (COLUMN+ explained

earlier). Further pressing on the button will store and display next samples in current column.





There are 3 dots on upper right part of the screen. Tap on them once. Again drop-down will appear. Tap once on Settings at the top of the list.



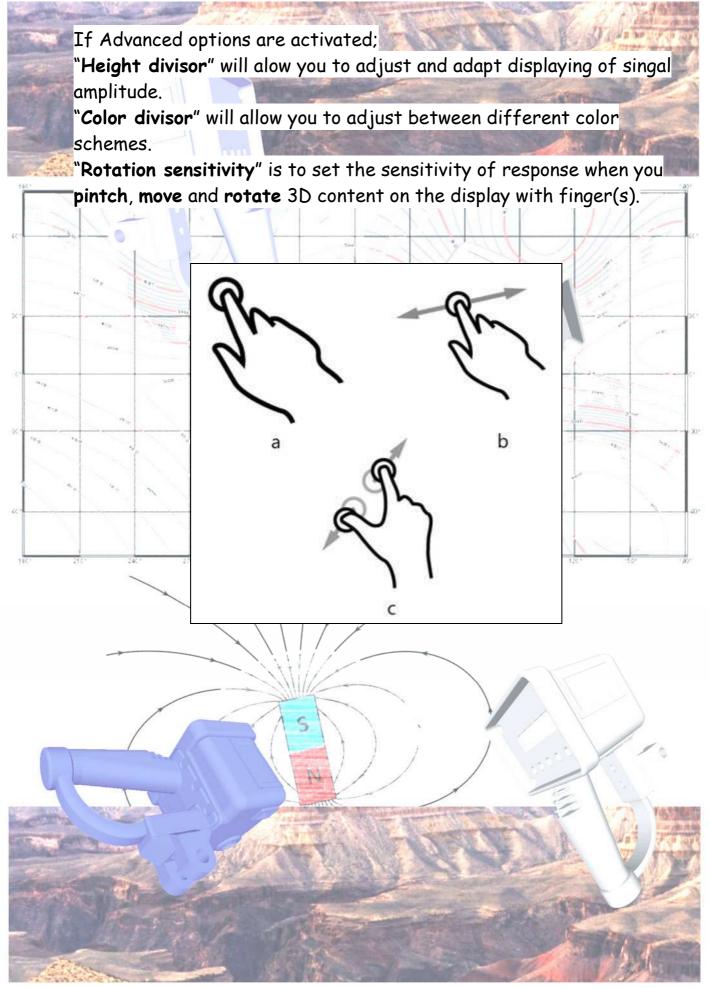
Properties Show Grid Type 3D Mode Parallel Palette Red-Green-Blue Number of Columns 20 Number of Rows 20 Advanced Height Divisor 50 Color Divisor 5 Rotation Sensitivity 12	And the second second	■ ▲	18. 50
Show Grid Type 3D Mode Parallel Palette Red-Green-Blue Number of Columns 20 Number of Rows 20 Advanced Height Divisor 50 Color Divisor 5 Rotation Sensitivity	-		11/1/2
Type 3D Mode Parallel Palette Red-Green-Blue Number of Columns 20 Number of Rows 20 Advanced Height Divisor 50 Color Divisor 5 Rotation Sensitivity	F	Properties	
3D Mode Parallel Palette Red-Green-Blue Number of Columns 20 Number of Rows 20 Advanced Height Divisor 50 Color Divisor 5 Rotation Sensitivity		Show Grid	
Parallel Palette Red-Green-Blue Number of Columns 20 Number of Rows 20 Advanced Height Divisor 50 Color Divisor 5 Rotation Sensitivity			
Red-Green-Blue Number of Columns 20 Number of Rows 20 Advanced Height Divisor 50 Color Divisor 5 Rotation Sensitivity			
20 Number of Rows 20 Advanced Height Divisor 50 Color Divisor 5 Rotation Sensitivity			- Aur
20 Advanced Height Divisor 50 Color Divisor 5 Rotation Sensitivity			
Height Divisor 50 Color Divisor 5 Rotation Sensitivity	4		120' 50'
50 Color Divisor 5 Rotation Sensitivity	-	Advanced	
5 Rotation Sensitivity			
	1-	C	
w menu will appear with other options which you can change and	enu will a	appear with other options which you can a	hange and

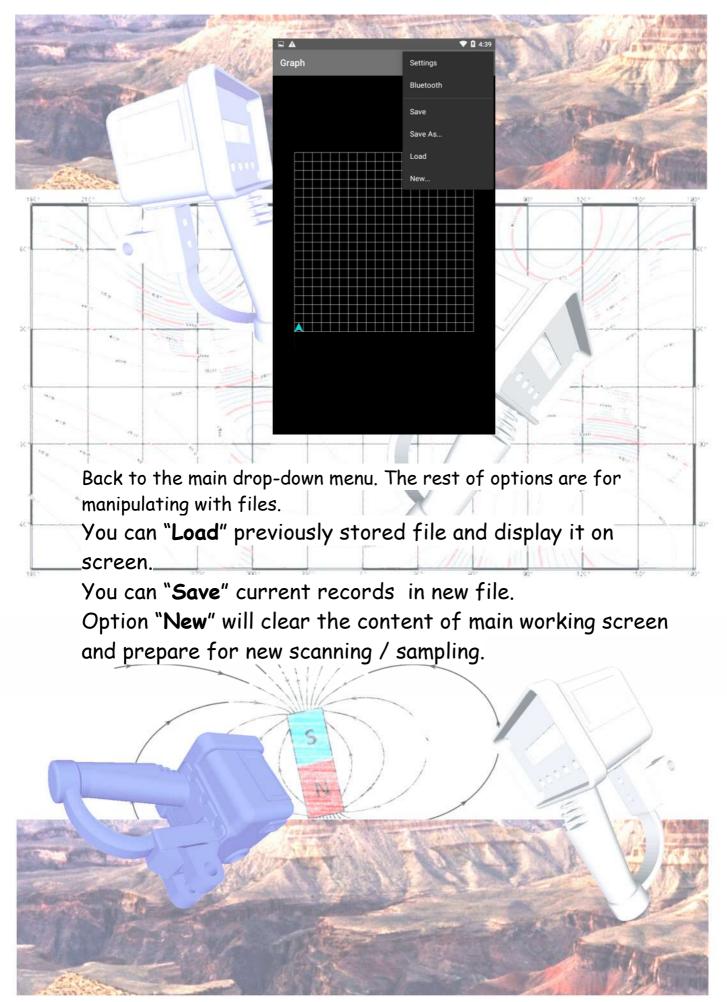
Options are pretty much self-explanatory. "Show grid" will turn On or OFF the grid on main working screen. "Type" allows you to pick between 2D and 3D display on main screen. "Mode" allows you to pick between "Zig Zag" and "Parallel" scanning methods.

8 📶 64% 🖬 11:42	🕘 🗢 🗟 📶 64% 🛚 1	1:42 🚯 🗢 🗞 📶 64% 🕅
	← Graph Settings	← Graph Settings
	Properties	Properties
	Show Gud	Show Grid
	Type	Type
	Mode	Palette
	Parallel	Red-Green-Blue
	O Zig-Zag	O White-Grey-Black
CANCEL	CANCEL	CANCEL
	Namer	Nonce or continue
	Number of Rows	Number of Rows
		Advanced
	CANCEL	CANCEL Number of Rows 20

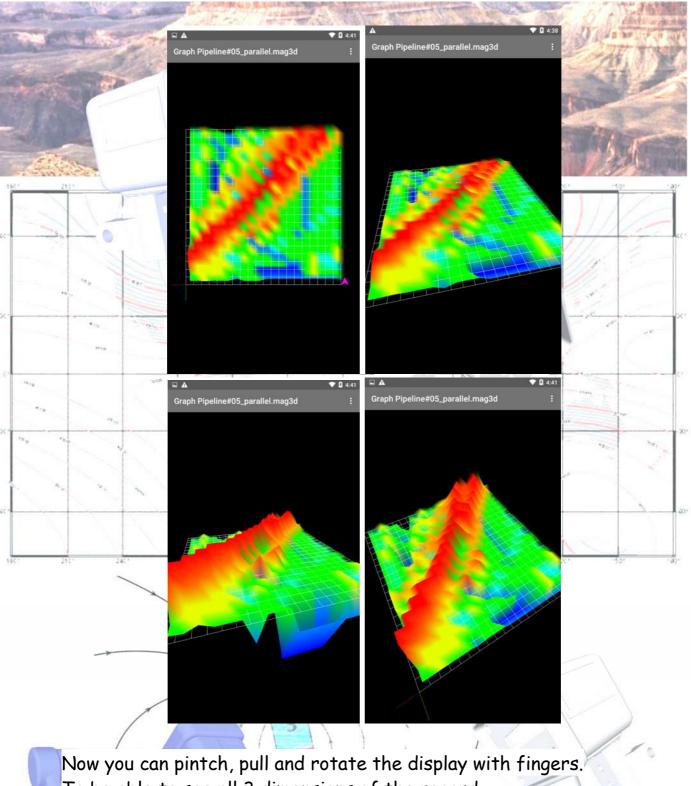
"Number of columns" allows you to adjust number of columns. "Number of rows" allows you to adjust number of rows.

	e	© ₹ h Settings r of Columns CANCE	€ 11:42	
	Palette	2	3	
The state	4	5	6	
	7	8	9	
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Allen -	and the	the state	10 10	





Tap on "Load" option and it will open new "File directory screen, with listed all the existing files. 4:41 4 **File Directory** Pipeline#05_parallel.mag3d Unknow_object_parallel.mag3d Tap once on the first file, the **"Pipeline#05_parallel.mag3d**" to open it. Since it is generated in "Parallel" sampling mode; before you load it: make sure that "**Parallel**" sampling mode is previously activated. Moment later file will be loaded and displayed on the main application screen:



Now you can pintch, pull and rotate the display with fingers. To be able to see all 3 dimensions of the record. With previously mentioned options you can readjust the height (amplitude) and pallete of displaying. With "**Show grid**" to **On** or **Off** you can show or remove the grid behind the records.

