









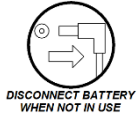
ZEB-REVO INDOOR MAPPING SYSTEM: QUICKSTART GUIDE



Step 1	Position the ZEB-REVO scanner on a flat stationary surface. Turn on the ZEB-DL2600 data logger by pressing the on/off button. The LED's on the data logger may flash briefly and then cycle green-orange-red whilst the data logger boots up and connects to the scanner.	ZEB LED 
Step 2	Once booted the ZEB LED will switch to pulsing red – Standby mode .	
Step 3	To initiate a scan the user must manually rotate scanner head through 90 degrees or more. The ZEB LED will switch to constant red – Preparing to scan mode .	
Step 4	After approximately 3 seconds the LED on the scanner will switch to flashing orange – Initialisation mode . The scanner must remain stationary during initialization. If the scanner is disturbed during initialisation the system will revert to Preparing to scan mode (step 3). The ZEB LED will revert to red and wait to start initializing again.	
Step 5	After the ZEB-REVO scanner has been in initialisation mode for 15 seconds the LED will switch to green – Scanning mode . Press the motor start/stop button on the side of the scanner head to start the scanner rotation and commence the survey.	
Step 4	When the survey is complete position the ZEB-REVO scanner in approximately the same position as used for initialisation (Step 2) and press the motor start/stop button to stop the scanner rotation. After the scanner has been stationary for approximately 5 seconds the LED will switch back to flashing orange - De-initialisation mode . If the scanner is disturbed during de-initialisation the ZEB LED will revert to green and wait to start de-initialising again	
Step 5	After the ZEB-REVO scanner has been in de-initialisation mode for 15 seconds the LED will switch to pulsing red – Standby mode . When the ZEB-REVO scanner enters standby mode the AUX LED will flash orange for a short period whilst the recorded data is compressed into a single data file ready for downloading. ! Do not turn the data logger off until the AUX LED is off	

Step 6	To download the raw scan data see section Error! Reference source not found.	
	To repeat the scan, or start a new scan, simply rotate the scanner head through 90 degrees. The LED will change to red, Preparing to scan mode and the sequence will repeat from Step 3	
	To shut down the system, press and hold the data logger power button for 1 second. ! Do not turn the data logger off until the AUX LED is off Disconnect the battery connector to prevent battery discharging whilst in storage.	

Data Download	To download the raw scan data, switch on the ZEB-DL2600 data logger. Connect the DL2600 download cable to the AUX socket (with blue ring marker) and connect the supplied USB memory stick to the download cable. The AUX LED light will light green whilst the data is transferring to the memory stock. The USB stick must not be removed when the AUX LED is lit green. After a few seconds (dependent on the size of the data files to be transferred) the AUX LED will turn off. The data has been transferred and the USB memory stick can be removed. ! Do not remove the USB memory stick while the green AUX LED is lit
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! Disconnect the battery when not in use

SUMMARY OF LED STATUS INDICATORS

ZEB-REVO LED		Description
	Red-orange-green	System booting
	Red (pulsing)	Standby mode
	Red	Preparing to scan
	Orange flash	Initialising or de-initialising – data is being logged
	Green	Scanning - data is being logged
	Orange flash/ green	Warning - scanner motion is too fast
	Red flash/ green	Warning – low battery voltage
	Red flash x 1	Error – scanner not detected
	Red flash x 2	Error – IMU not detected
	Red flash x 3	Error – neither scanner or IMU detected

AUX LED		Description
	Green	USB memory stick attached
	Orange flash	Compressing files
	Red flash	USB memory stick error (format error or disk full)