



MAPPING MODE OPERATIONAL CHECKLIST

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PREPARED BY:
EMESENT PTY LTD
LEVEL G, BUILDING 4, KINGS ROW OFFICE PARK
40-52 MCDUGALL ST, MILTON, QLD, 4064 AUSTRALIA

EMAIL: INFO@EMESENT.IO
PHONE: +61 7 3548 9494





Hovermap scanning checklist	Actions/ Indications
Inspect Hovermap LiDAR window.	Clean and serviceable
Mount Hovermap as desired (Handle attachment, vehicle mount, backpack mount or drone).	Secure
Connect the power cable and the antennas (x2). Place Hovermap in a stable position where the spinning LiDAR will be unobstructed.	Connected, clear
<p>All configurations run on an external battery, except when attached to a drone (use the drone-specific power cable).</p> <p>Ensure that the battery has adequate charge for the intended scan. Set a low voltage warning on the battery monitor.</p> <div data-bbox="225 1032 1080 1155" style="border: 1px solid #0070C0; padding: 10px; margin-top: 10px;"> <p> Note: Never over-drain the LiPo battery from use.</p> </div>	Checked, connected
<p>Press the power button on Hovermap.</p> <div data-bbox="225 1301 1080 1637" style="border: 1px solid #0070C0; padding: 10px; margin-top: 10px;"> <p> Note:</p> <ul style="list-style-type: none"> • Do not move while Hovermap is booting/initializing. • If the status LED is not blue after 60 seconds, cycle power to Hovermap. </div>	Flashing red, flashing light blue, flashing orange
Auto-initialization and checks complete. The system is ready	Slow pulsing blue
Begin the scan	



<p>Connect your smartphone or tablet to Hovermap's Wi-Fi.</p> <p>Network name: hovermap_xx</p> <p>Password: hovermap</p>	Connected
<p>Open a web browser and navigate to hover.map. Create a new name for the scan.</p>	Scan name set
<p>Click Start and keep the payload still for the first 10 seconds.</p> <p>The LiDAR will start spinning. The status LED will start flashing green, then will change to slow pulsing green. Wait for five slow pulses before moving.</p>	Flashing green. LiDAR spinning smoothly.
<p>Hovermap will now be collecting scan data and can be moved for scanning the target area.</p>	Slow pulsing green
End the scan	
<p>Once the area of interest has been scanned, stop the scan by pressing the power button on Hovermap. Alternatively, use the Web UI.</p> <p>The LiDAR will stop spinning after a few seconds and the LED will go back to slow pulse Blue.</p>	Slow pulsing blue
<p>For best mapping results, we recommended that you stop the scan around the same area where it was started.</p>	Close the loop
<p>At this stage, you can either start a new scan and repeat the steps above, or download the raw scan data for processing.</p>	
Download data and shut down Hovermap	



<p>Once the Hovermap scanner has stopped spinning, insert a USB memory drive into Hovermap to download the scan data. The status LED will change to flashing light blue while the data is transferring to the USB stick.</p> <div data-bbox="225 432 1078 595" style="border: 1px solid #0070C0; border-radius: 10px; padding: 10px; background-color: #E6F2FF;"> <p> Note: All data captured since the last transfer will be copied to the USB stick.</p> </div>	<p>Slow pulsing blue, flashing light blue, slow pulsing blue</p>
<p>To shut down Hovermap, turn off the drone or disconnect the power supply.</p>	



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