

Cleaning and maintenance

a) General guidelines

- In order to make sure the terminal is working as intended and to maximize the lifetime the following cleaning and maintenance routine should be adhered to. Failure to adhere to the cleaning and maintenance guidelines in this section can cause permanent damage to the terminal and reduce the terminal's lifetime.
- If any damage is found, it should be reported immediately to Satcube support. A faulty terminal may cause harm to humans and other equipment and should not be used.
- During cleaning and maintenance, the terminal should be inspected for damages or faults. If any harm has come to the terminal, please check in with Satcube support to assess if proper and safe handling of the terminal is still possible.
- Every use: Make sure the fans can move freely and no excessive dust is present.
- Failure to check fan mobility might cause the terminal to overheat and cause permanent damage.
- The terminal should always be handled with care, especially the radome.



Figure 1 Fans behind fan cover.

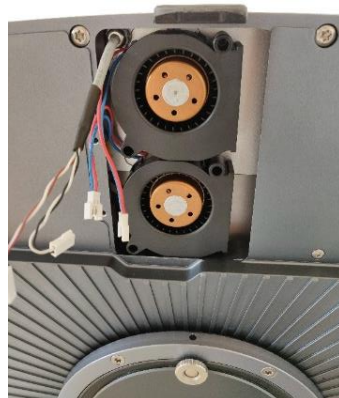
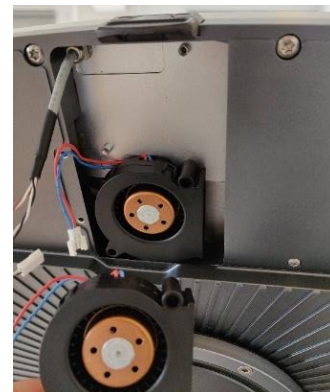


Figure 2 Fans disassembled for maintenance.



b) Cleaning the fans

- The cleaning is done by unscrewing the four T-10 torx screws attaching the fan cover to the terminal shown in Figure 30. The fans are then detachable from the terminal and can be cleaned or changed which is seen in Figure 31.
- The hot air exhaust from the fans should also be inspected to ensure there has been no accumulation of dust hindering airflow. Exhaust is shown in Figure 32. Cleaning of the fans can be done using cotton buds.

c) Cleaning the protective vents

- The protective vents should be cleaned to ensure proper functionality. There are three vents on the terminal. One close to the buttons and next to the Serial Number on the bottom part of the terminal as depicted in Figure 34. Another two are situated on the backside of the antenna on each side of the polarization center axis as seen in Figure 33.
- If the vents are not properly cleaned there is a possibility that pressure builds up which risks causing a malfunctioning terminal.
- Note that no sharp object should be used to clean the protective vents as that might damage the vent or alter their functionality.



Figure 3 Air exhaust at the backside of antenna.



Figure 5 Protective vent on base part of terminal next to the Serial Number.



Figure 4 Protective vents on backside of antenna.

d) Cleaning the moving mechanical parts

- The moving mechanical parts include:
 - The elevation wheels.
 - The elevation locking lever.
 - The polarization rotation mechanism.
- Inspection of moving mechanical structures is important to make sure no dirt is present hindering the movement of said parts.
- To clean the overall mechanical parts, use a damp cloth.

e) Cleaning the interfaces and connections

- Interfaces, ethernet, USB, DC power and L-band connectors should be inspected to ensure that no dirt or excessive dust is found. If any dirt or other potentially harmful substances are present immediately clean affected interface.
- Battery connections should be inspected to ensure no cleaning is needed.

f) Storage instructions

Before long time storage:

- Batteries should be charged.
- The terminal should be cleaned with a damp cloth to remove harmful substances.
- The terminal should be stored in a dry place in temperatures within specifications.