

# AIR VISION SYSTEMS INSTRUCTIONS

Please watch the video we have put on youtube and note the key steps below:

Please pay particular attention to the points highlighted in red as these points are modified slightly from the video.

[Air Vision Systems - Starlink Flat Mount Frame and Bracket for Gen 2 Assembly Instructions \(youtube.com\)](https://www.youtube.com/watch?v=...)

1. Put the cable inside gasket, slot side down (AVS-023-02)
2. Slide the gasket and cable through the hole at the end of the frame (AVS-023-01)
3. Ensure you have inserted it the right way up (slot side down)
4. Put glue around the gasket to ensure it will be 100% sealed and insert back into the hole at the end of the frame
5. Wipe up any overflowing glue
6. Put glue on the inside of the gasket and cable to ensure it is fully sealed
7. When dry put another couple of layers of glue around the outside and inside of the gasket to ensure its totally sealed
8. Using 1mm thick tape double sided tape, place the tape around the internal lip of frame (where the starlink will sit in the frame). The tape should be placed 5cm in length with 5cm gap in between. This will allow the starlink to be held in place and stop any movement due to manufacturing tolerances. The tape will need to be layered maybe two or three times to 2mm or 3mm. The starlink should be flush with the top of the frame or slightly above so that it will be sealed with the O-Ring and Polycarbonate top when screwed on. By having gaps between the tape it allows it to be strong enough to hold the starlink in place, while still allowing you to be able to get the starlink back out if required.
9. Put down the cable tie clips, in sets of two. The cable fits directly in between the cable tie clips and then add the cable ties loosely at first. Be careful with the placement of the cable/cable tie clips/cable ties to make sure that it doesn't interfere with the placement of the starlink on top. Check your placement works before sticking the clips in place and tightening the cable ties and cutting any extra cable tie away.
10. Add some silica gel bags into the frame. 4 on each side and glue down to ensure any small amount of condensation is absorbed.
11. Place the EPDM O-rings in the channels around the outside of the frame. There are two O-rings for protection. Cut the EPDM 2mm or 3mm longer than required to avoid any shrinkage. If the O-ring doesn't place correctly then just reduce the length slightly. Put glue at the connection of the two EPDM pieces. Put small amount of glue in various places along the EPDM to hold it into place. Do the same with the second pieces of EPDM. Have the connection for the second piece of EPDM at the opposite side of the frame. Make sure the EPDM O-rings are pressed down firmly. The EPDM will be compressed once the polycarbonate top is put on and the screws and nuts tightened. This will give a water tight seal.
12. Plug in the starlink and lower into the frame
13. Add the polycarbonate lid to the top (AVS-023-03)
14. Place the M8 nuts underneath the frame and screw in the M8 screws in the 4 corners. Tighten with allen key. Do not overtighten.
15. For the rest of the holes, use a M6 screw and M6 nut. Tighten with allen key. Do not overtighten.
16. Go back around the frame further tightening the nuts and screws.
17. Use glue provided to lock nuts into place.
18. If putting into the bracket, line up the gasket end of the frame with the end of the bracket that has the hole to ensure water doesn't build up. Add the nuts and tighten with a ratchet or a spanner. (AVS-023-04)
19. Connect to your roof rack using the slots in the bracket.