

7837518 Revision A, June 2019

## APS-XT INSTALLATION GUIDE

### Introduction

The CommScope APS-XT product has been developed as an Alignment Sensor Device (ASD) and Geographic Location Sensor (GLS), as defined in the AISGv2 extensions (AISG-ES-ASD and AISG-ES-GLS) v2.1.0 specifications. In order to support existing AISGv2.0-only base stations and controllers, APS-XT is able to operate as a standard AISG 2.0 SRET device, and report critical data using commonly supported AISG 2.0 Annex B data fields.

### 1. Identify and Inspect parts.

The product includes the following parts:

- (1) APS-XT unit.
- (2) Support with adhesive tape.
- (3) Grounding cable. (If the mounting bracket bolt on antenna is not M16, grounding cable with M6 & M10 ring lug and its accessories are optional.)
- (4) M16 nut (1), M16 split washer (1), M16 flat washer (1), M6 nut (1), M6 split washer (1), M6 flat washer (1).

### 2. Obtain tools and supplies.

The following items are required or recommended:

- (1) 24mm wrench (recommended torque 90N.m)
- (2) 10mm wrench (recommended torque 5N.m)
- (3) Watering can with water or mixture of water and isopropanol.
- (4) Rag
- (5) Operation temperature is better between 10~38 °C. Working temperature is -40~65 °C.

### 3. Steps of mounting APS-XT

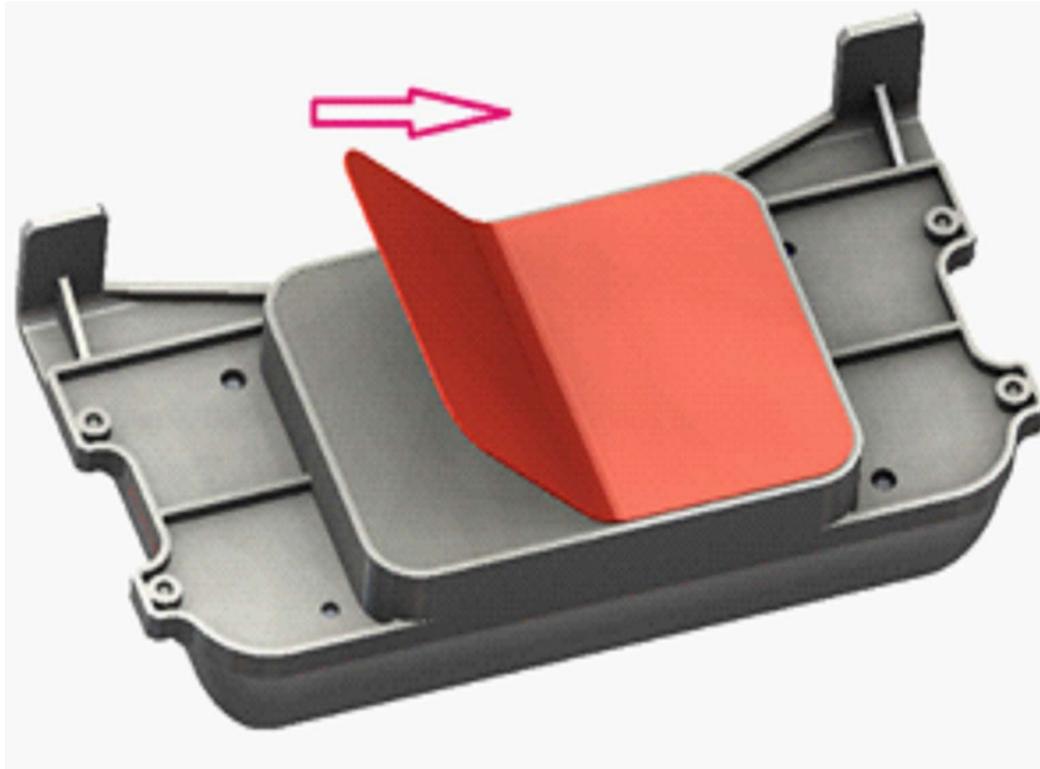
- 1) Clean the top cap of antenna with water can and rag.



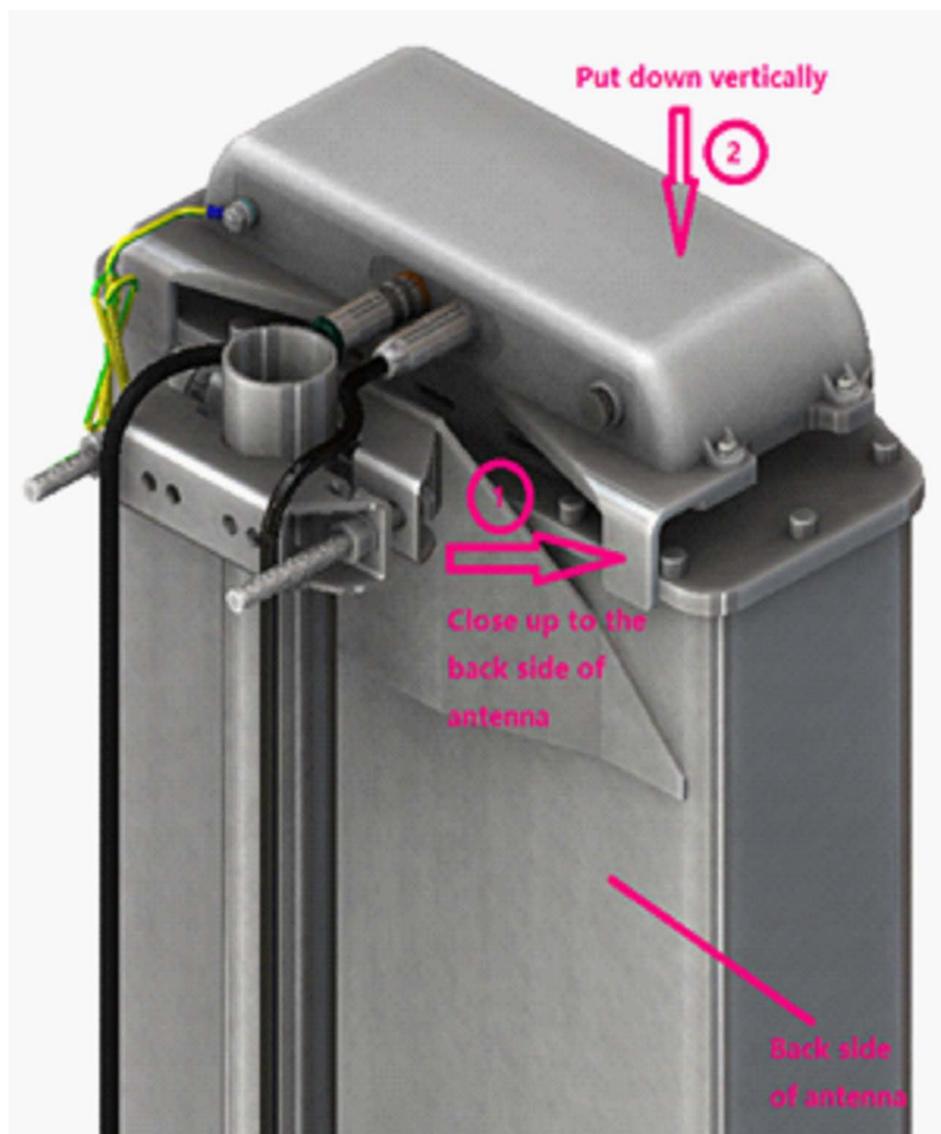
## 2) Mount APS-XT's support.

Tear off protective film of adhesive tape.

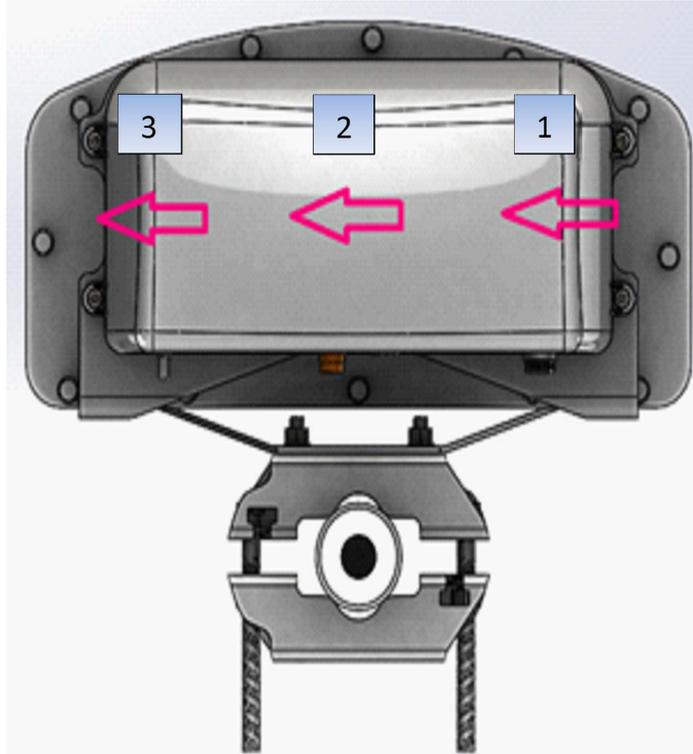
- ① Close up to the back side of antenna. (Put the bottom side of support in the middle of top cap as far as possible.)



- ② Put down the support vertically until the adhesive tape stick on the top cap of antenna.

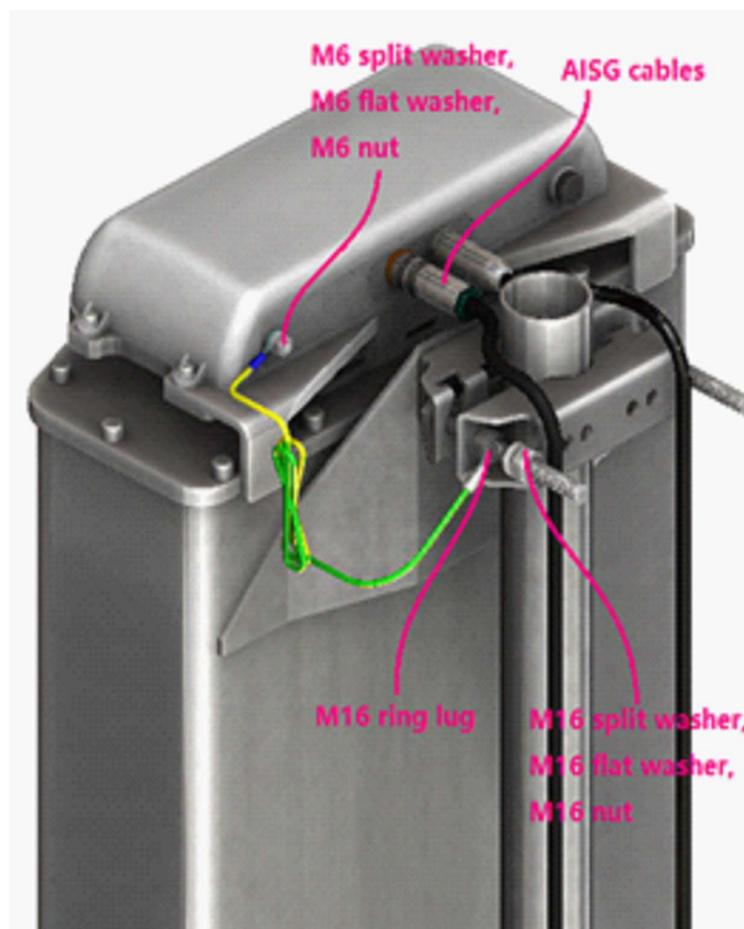


- ③ Press the support along the direction step by step with 15psi for several times to make sure stick strongly.



3) Mount grounding cable.

- ① Put M6 ring lug of grounding cable into grounding pole on APS-XT unit, lock M6 flat washer, split washer and M6 nut.
- ② Put M16 ring lug of grounding cable into mounting bracket bolt, lock M16 flat washer, split washer and M16 nut.



**SAFETY NOTICE**

The installation, maintenance, or removal of an antenna requires qualified, experienced personnel. CommScope installation instructions are written for such installation personnel. Antenna systems should be inspected once a year by qualified personnel to verify proper installation, maintenance, and condition of equipment.

CommScope disclaims any liability or responsibility for the results of improper or unsafe installation practices.

It is recommended that transmit power be turned off when the field installation is performed. Follow all applicable safety precautions as shown on this page.



Do not install near power lines. Power lines, telephone lines, and guy wires look the same. Assume any wire or line can electrocute you.



Do not install on a wet or windy day or when lightning or thunder is in the area. Do not use metal ladder.



Wear shoes with rubber soles and heels. Wear protective clothing including a long-sleeved shirt and rubber gloves.