



L3HARRIS™
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L3HARRIS RF-7800W-AA001

Closed Loop Antenna Alignment System (CLAAS)

ELECTRICAL

Azimuth Range	± 180 degrees
Elevation Range	± 20 degrees
Aiming Time	Less than 1 minute for ± 90 degree azimuth only
User Interface	Web-based Graphical User Interface or Command Line
Power Requirements	90–265 VAC, 47–63 Hz, or 10.5 –34.5 VDC, 200 W max

PHYSICAL

Dimensions	Servo Unit: 9.12 H x 9.37 W x 5.24 D in (23.2 x 23.8 x 13.3 cm) Power Control Unit: 5.4 H x 7.5 W x 13.6 D in (13.7 x 19.1 x 34.5 cm)
Weight	Less than 25 lbs (11.3 kg) Servo Unit with radio/antenna mounting brackets Less than 15 lbs (6.8 kg), Power Control Unit

ENVIRONMENTAL

Temperature	Operational: -27°F to 131°F (-33°C to +55°C) Storage: -40°F to 158°F (-40°C to +70°C)
Ingress Protection	IP66
Humidity	0–100 %
Vibration/Shock	Per MIL-STD-810F

MOUNTING

The Servo Unit mounts to tubular masts with a diameter of 1.5-4.5 in

The supplied antenna brackets can be used with the following antennas: RF-7800W-AT201, RF-7800W-AT202, RF-7800W-AT203, RF-7800W-AT207, RF-7800W-AT212, RF-7800W-AT213, RF-7800W-AT217

INCLUDED ACCESSORIES

12069-0068-A100	30-meter Power/Control Cable
10081-9809-009 10081-9814-009 10081-9831-009	US, UK and Euro AC Power Cables
12069-0310-01	DC Power Cable
Manuals	Operator and Installation

OPTIONAL ACCESSORIES

12069-7005-02	15-meter mast
12069-7006-02	21-meter mast
RF-5941-LM155	15-meter lift mast



The L3Harris Closed Loop Antenna Alignment System is designed to use with the L3Harris Falcon III® RF-7800W Multimission High-Capacity Line-Of-Sight-Radio. The CLAAS is interoperable with L3Harris RF-7800W series antennas and can meet diverse Line-Of-Sight operational requirements. Ruggedized and lightweight, the system features tool-free assembly for rapid deployment with point-to-point or point-to-multipoint mode capabilities. Antenna aiming takes less than one minute, and can be controlled from anywhere via its web-based, networked interface.



RF-7800W-AA001 Power Control Unit

L3Harris RF-7800W-AA001 Closed Loop Antenna Alignment System (CLAAS)

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