

OSPREY GPS Simulator

Portable GPS Position Simulator



OSPREY GPS SIMULATOR

An economical simulator with high-end test capability, ideal for validating the performance of GPS-enabled devices.

The VIAVI OSPREY GPS Simulator provides static waypoints and dynamic routes to be simulated for avionics testing purposes.

Daily Almanac data can be seamlessly uploaded to the OSPREY, simplifying the process of ensuring a position lock for GPS Receivers.

The OSPREY GPS Simulator Controller can also be purchased and used without the VIAVI GPS coupler, for use with your existing coupler or via direct connect.

Although the OSPREY supports most avionics maintenance tasks, WAAS capability is required for vertical guidance and LPV approach simulations. For more details, refer to our [GPS Simulation for Avionics Applications with the OSPREY application note](#)



OSPREY Standalone GPS Simulator

Features

- Fully self-contained with on-screen battery indicator and real time clock
- Store, recall and simulate 20 static waypoints and 20 dynamic routes
- Automated Almanac upload process
- 10-channel configuration
- Remote control interface via mobile application for both iOS and Android devices
- Single or dual GPS antenna configurations
- Direct connection to GPS receiver
- GPS signals simulated: L1
- Firmware updates via USB

Benefits

- Verification of system installations
- Efficient ADS-B testing
- Train technicians on new avionics installs
- Train pilots on upgraded avionics prior to flight
- Testing XM Weather systems
- Global Avionics Test Set Support

Ordering Information

Part Number	Order No.	Item Description
22186199	OSPREY-1	GPS Simulator, Single Antenna
22186198	OSPREY-2	GPS Simulator, Dual Antenna
22186200	OSPREY-GPSSIM	GPS Simulator, Controller (without coupler)

Physical Characteristics

Dimensions	
Couplers	7.5 x 7.5 x 7 in (19 x 19 x 17.75 cm)
Fits GPS Antennas Smaller Than	6.5" x 6.5" x 1.5" (16.5 x 16.5 x 3.8 cm)
Carrying Case Single	10 x 9 x 9 in (25.4 x 23 x 23 cm)
Carry Case Dual	16 x 9 x 12 in (41 x 23 x 30.5 cm)
Controller	7 x 7 x 2.5 in (17.78 x 17.78 x 6.35 cm)
Weight	
Single Case	6.5 lbs (3 kg)
Dual Case	9 lbs (4 kg)
Controller Only	2 lbs (.9 kg)

Accessories Included

Kit Contents	P/N	OSPREY-GPSSIM	OSPREY-1	OSPREY-2
Controller	22186200	1	1	1
GPS Antenna Coupler	87636		1	2
Power Adapter 5V USB	22190042	1	1	1
Cable USB-A to USB-C	22148009	1	1	1
Cable TNC-TNC 6'	112830			1
Shot Bag	88753			1
G/S GUIDE	22190374	1	1	1
Case Single Coupler	22189238		1	
Case Dual Coupler	22189237			1



OSPREY Dual Coupler Kit with accessories



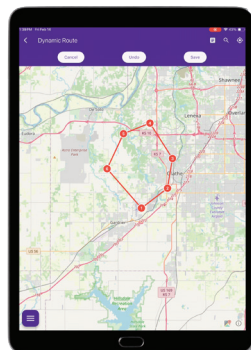
Directly plug-in the OSPREY to your GPS and use as a standalone GPS Simulator



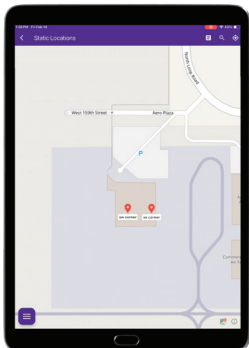
Dual and single coupler carrying cases available



Remote application home screen



Remote application with dynamic waypoints



Remote application with static waypoints



A variety of wall power adapters are included



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