

Persistent Systems Radio


MPU5 Point to Point Radio Kit

The Persistent Systems MPU5 Radio Kit enables point to point communications between Spot and its operator.

Deploy Spot quickly and easily through a secure network with no infrastructure required.



Features

-  Creates a powerful, secure network anywhere
-  Able to mesh if a wider network is needed
-  Radios support 2.4 GHz
-  Easy to mount on the robot and clip onto the operator's belt or vest
-  Small size fits under the Spot Arm
-  Comes with default settings to run on Spot out of the box

In the Box

- One robot-mountable MPU5 radio with antennas, including Spot GXP
- One operator, belt-mounted MPU5 radio with antennas
- Spot Tablet Joysticks connector module*
- Two-bay radio battery charger

*Spot Tablet Joysticks are required for use



Specifications

SPOT MOUNTED RADIO

Length (with antennas) = 380 mm (15.0 in)
Length (without antennas) = 208 mm (8.2 in)
Width = 190 mm (7.5 in)
Height = 70 mm (2.8 in)
Mass/Weight = 1.8 kg (3.9 lbs)
Mounting = 4 x M5x8 screw

OPERATOR RADIO

Length (with antennas and battery) = 390 mm (15.4 in)
Length (without antennas and battery) = 140 mm (5.5 in)
Width = 70 mm (2.8 in)
Depth = 40 mm (1.6 in)
Total Mass/Weight (with antennas and battery) = 1.1 kg (2.4 lbs)
Mounting = Belt clip

RADIO TRANSMISSION DETAILS

Model = Persistent Systems MPU5 RF-2150
Frequency Range = 2412 - 2462 MHz
RF Modulation = OFDM (64QAM, 16QAM, QPSK, BPSK)
Antenna Chains = 3 Independent RF Chains
TX/RX Operating Modes = All MIMO modes from SISO to 3x3
Channel Bandwidth = 5, 10, and 20 MHz
Peak TCP Throughput = 150 Mbps at 20 MHz Channel
Configured Transmit Power = .955W

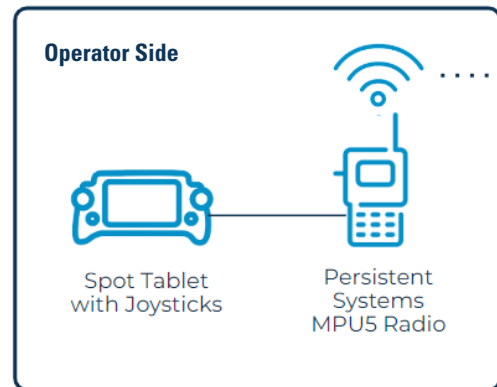
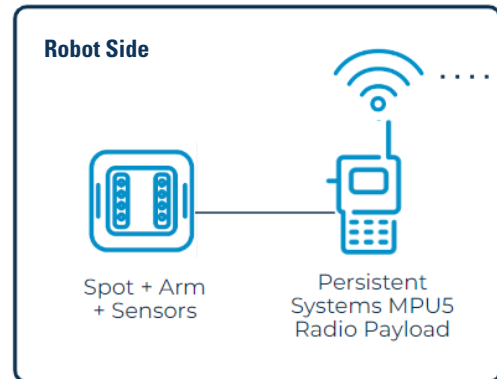
ENVIRONMENT

IP Rating = IP68
Storage Temperature = -40°C to 70°C
Operating Temperature = -20°C to 45°C

Network Diagram

Robot Radio Configuration

Standard radio kit in action



Contact

sales@bostondynamics.com
www.bostondynamics.com/products/spot/payloads

BostonDynamics

