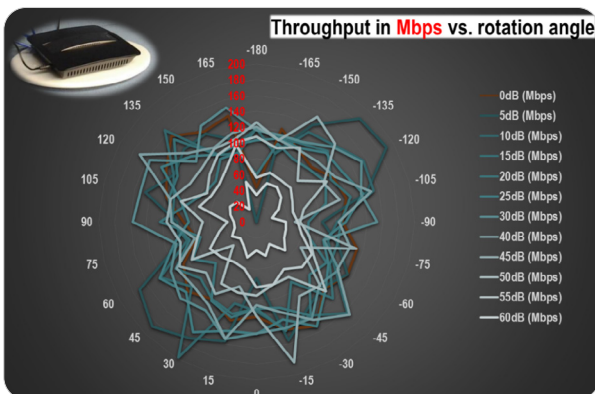
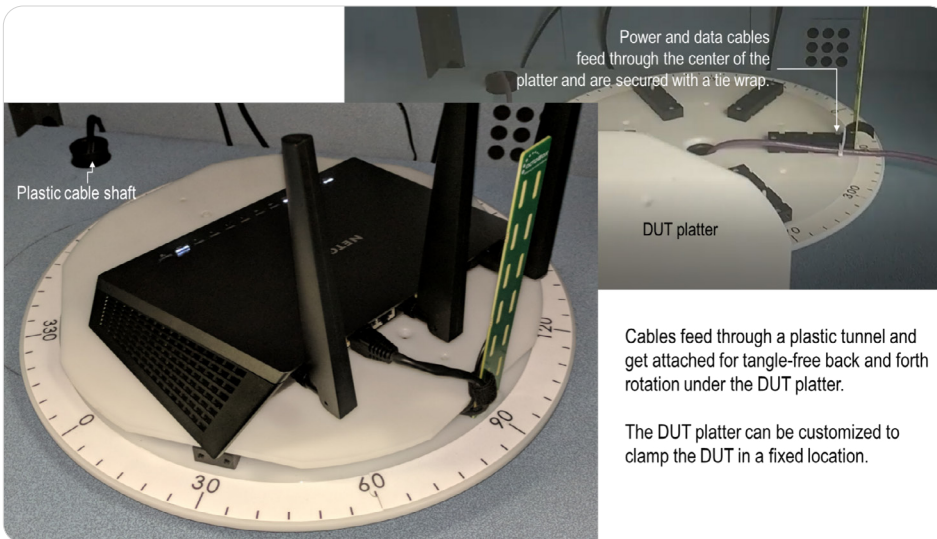


# octoBox<sup>®</sup> turntable

## A built-in programmable turntable

The octoBox turntable is a low-profile anechoic turntable that rotates a device under test (DUT) enabling you to measure throughput vs. range vs. orientation. Precision machined of RF transparent plastic, the turntable maintains semi-anechoic environment in the octoBox wireless personal testbed for accurate and repeatable testing of Wi-Fi, LTE, Bluetooth, cellular and other technologies.

Embedded into a stable semi-anechoic environment of the octoBox personal testbed, the turntable enables software controllable DUT rotation while measuring throughput, RX sensitivity and other parameters. Measurements can be averaged or plotted vs. angular position of the DUT.

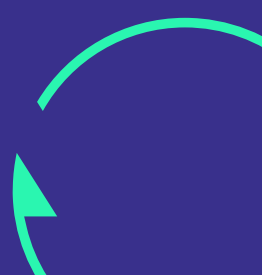


## Features and Benefits

- High angular resolution of 1°
- RPM controllable from 0 to 100 RPM
- Supports up to 10 kg DUT
- Flexible DUT mounting system
- Ethernet control interface
- Under-DUT cable duct
- octoBox software automates MIMO throughput measurements

## Applications

- Wi-Fi (802.11a/b/g/p/n/ac/ax), mmWave, LTE, FDD and LTE-Advanced testing
- Throughput measurement vs. orientation and vs. range when used in the octoBox personal testbed
- Validation of MIMO, beamforming and diversity performance
- RX sensitivity measurements



## About octoScope

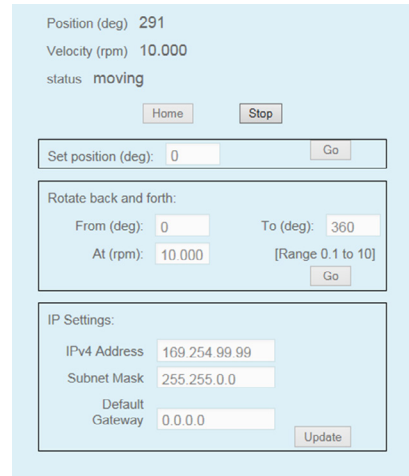
[octoScope, a Spirent Company](#), is the market leader in automated testbeds for accurate, repeatable testing of Wi-Fi and 5G network functions and devices. Our highly-realistic, automated test suites save service providers, and device and network vendors millions in troubleshooting and customer care costs by enabling them to identify problems early in the development cycle before customers are impacted. Our patented testbed technology recreates real-world conditions in controlled testing environments to evaluate the performance of the latest Wi-Fi 6 and 6E, and 5G network equipment and devices. The combination of our solutions with Spirent’s test portfolio enhances our automation and emulation capabilities, bringing even greater realism to our test suites and helping our customers innovate with unprecedented speed and efficiency.

## User and Automation Interface

### Control interfaces

- Browser UI (see right)
- REST API
- Text socket interface

Use *sweep* or *wiper* mode for continuous motion.



Position (deg) 291  
Velocity (rpm) 10.000  
status: moving

Set position (deg):

Rotate back and forth:

From (deg):  To (deg):   
At (rpm):  [Range 0.1 to 10]

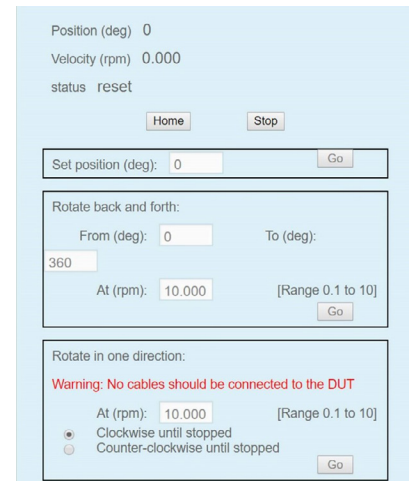
IP Settings:

IPv4 Address   
Subnet Mask   
Default Gateway

## Specifications

Parameter	Specification
Angular positioning accuracy	+/- 1°
Rotational speed	0 to 10 rpm
Payload weight	10 kg (22 LBS) max
Test automation	REST API or text socket interface

### Browser UI



Position (deg) 0  
Velocity (rpm) 0.000  
status: reset

Set position (deg):

Rotate back and forth:

From (deg):  To (deg):   
At (rpm):  [Range 0.1 to 10]

Rotate in one direction:

**Warning: No cables should be connected to the DUT**

At (rpm):  [Range 0.1 to 10]

Clockwise until stopped  
 Counter-clockwise until stopped

This video explains how the turntable operates.

### About Spirent Communications

Spirent Communications (LSE: SPT) is a global leader with deep expertise and decades of experience in testing, assurance, analytics and security, serving developers, service providers, and enterprise networks. We help bring clarity to increasingly complex technological and business challenges. Spirent’s customers have made a promise to their customers to deliver superior performance. Spirent assures that those promises are fulfilled. For more information visit: [www.spirent.com](http://www.spirent.com)

[sales@octoScope.com](mailto:sales@octoScope.com)  
[www.octoscope.com](http://www.octoscope.com)  
+1-978-222-3114

**octoScope**  
305 Foster Street | Littleton, MA 01460  
+1-978-222-3114

**octoScope**  
780 Montague Expressway | San Jose, CA 95131  
+1-408-888-0478