

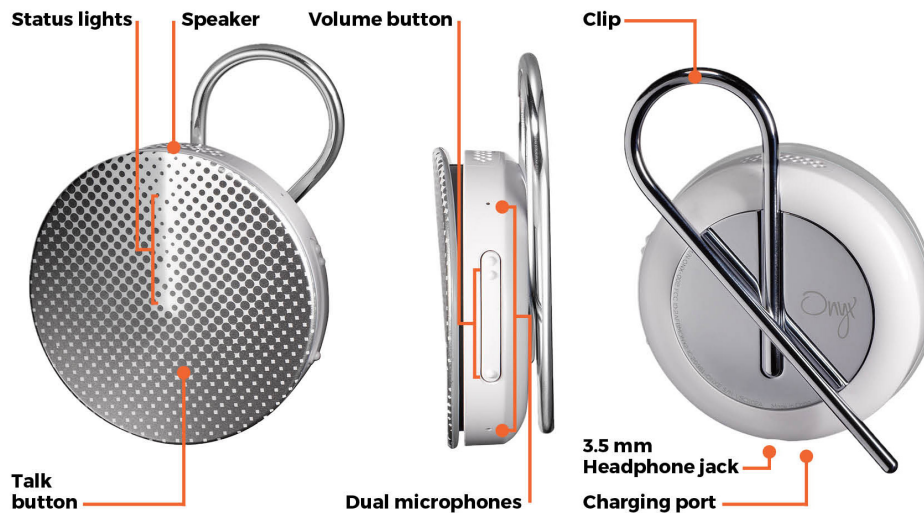
DATA SHEET

Onyx Voice Badge

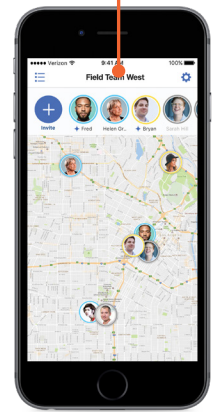


Onyx

is the award-winning, wearable smart walkie-talkie that uses the power of your voice to help you stay focused and get more done.



Works with
IFTTT



Orion app (phone not to scale)



Long Battery Life
12-hour shift



Private Communication
via 3.5mm headset port



Platform Flexibility
supports iOS & Android



Real-time Location
see your team members
wherever they are



Unlimited Distance
cellular & Wi-Fi connectivity
via paired device



Eyes Up
communicate and stay
in the moment

PHYSICAL CHARACTERISTICS

Audio

Dual microphones
Speaker
Volume control
Headphone port (3.5mm)
Silent mode

Size & Weight

Body depth: 15.7mm (.63in)
Body diameter: 50mm (2in)
Weight: 35g (1.23oz)

Connectivity

Bluetooth LE
Antenna allows range of up to 30 ft
(unobstructed) from your phone

Power & Battery

Built-in rechargeable lithium-ion
polymer battery
Charges via included micro-USB cable

Display

5 LED display lights

Durability

Dust-resistant IP5x rating
Operating temperature range 14°F
to 122°F (-10°C to 50°C) up to 93%
humidity

Warranty

One (1) year from date received

In the Box

Onyx
Travel pouch
Charging cable

Compatibility

Using Onyx requires the Orion Labs
app, currently supported on iOS
and Android smartphones using
Bluetooth LE (4.0+).
Works with Android smartphones
running 5.0 and above, and
Apple devices running iOS 9
and above.
See support.orionlabs.io for list
of supported devices.

DETAILED PRODUCT SPECIFICATIONS

Device	Maximum output Seal	14°F to 122°F (-10°C to 50°C) up to 93% humidity Dust resistant IP5x
Materials	Plastic Metal clip Circuitry	PC/ABS 316L surgical stainless steel Flat-flex & hybrid rigid-flex HDI PCBs
Core Platform	Chipset Band Antenna Memory	ST Micro STM32F415 Cortex M4 Processor Bluetooth® Low Energy (BLE) BLE 1MB Flash/192+4KB RAM
Connectivity	Bluetooth Driver	BT 4.0 BLE CSR
Battery	Capacity Battery life Type	375mAH Lithium Ion Polymer battery 12 hour battery life Lithium ion polymer — custom developed to fit device
Physical	Certifications Speaker Interfaces Ports Mics	FCC/CE Knowles Cobra, 94 dB SPL PTT button; Twist to mute; Volume up/down toggle USB Micro for charging; 3.5mm TRRS jack for headphones &/or microphone Dual mic solution for noise cancellation
Audio	Format	Custom BLE protocol
In-box Accessories	Hardware Literature	USB 4.0 to USB micro charging cable (wall plug not included) User's manual
Honors & Awards		Aragon Research Hot Vendor 2017 Silver Edison Award 2017 IoT Breakthrough Wearables Innovation 2018