NEW

FOLLOW-ME
TraXYZ

FOLLOW-ME
TRACKING SOLUTIONS

Follow-Me TraXYZ is a hybrid automated 3D tracking solution, based on Ultra Wide Band (UWB) radio technology, with the advantage of automatically tracking multiple performers using a single system. It integrates with Follow-Me technology providing fall-back options at any time, as well as having a live view from the stage to monitor the auto-tracking process.

TraXYZ module

- **Accurate** - accuracy is typically <10 cm
- **Everywhere** - works both indoor and outdoor, no issues with direct sunlight, smoke etc.
- **Easy** - fully integrated with Follow-Me, no extra software required
- **Reliable** - always a manual fallback scenario

- **Scalable** - both in covered space as in amount of tags
- **Smart** - the smart 'motion based fixture stabilisation algorithm' guarantees stable fixtures
- **Freedom** - tracking parameters can be controlled from the light table

TraXYZ anchor

Easy - anchors can be easily mounted with the specially designed anchor mounts
Simple - just 1 cable (PoE) per anchor for power and data offloading
Fast - TraXYZ setup is typically done in 30 minutes

TraXYZ charging kit

Modular - fits 10 tags in standard configuration
Portable - useful charging case that can easily be transported

TraXYZ tag

Convenient - tags are small and light and can be worn underneath clothing
Infinite possibilities - besides persons, objects can also be tracked

TraXYZ server

Convenient - 19" Rack mountable
Redundant - optional fail safe backup server available

Follow-Me TraXYZ available in an *On-Stage* version & *Full* version:

With Follow-Me TraXYZ **On-Stage**, the position of the performer is tracked in 2D space. The system includes the TraXYZ server, 12 TraXYZ anchors and 10 TraXYZ tags, which allows tracking of 5 performers.
With the **Full** version of Follow-Me TraXYZ, you are provided with a hybrid automated tracking solution

that can follow performers in full 3D. The system includes the TraXYZ server, 16 TraXYZ anchors and 20 TraXYZ tags.

Both TraXYZ versions can be added to existing Follow-Me systems at all times.

	Follow-Me TraXYZ **On-stage**	Follow-Me TraXYZ **Full**
Type of tracking	2D	3D
Server	1	1 (backup optional)
Amount of anchors	12	16
Amount of tags	10	20

Visit our website for more information **www.follow-me.nu**
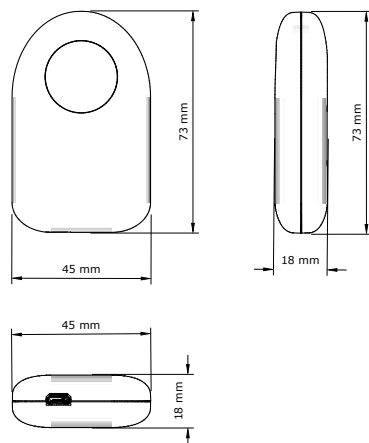
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Technical specs

Follow-Me TraXYZ is used to automatically track performers. It is based on Ultra Wide Band (UWB) technology and a typical set consists of:

- **20 TraXYZ Tags** wearable radio transceivers
- **16 TraXYZ Anchors** fixed tracking radio transceivers
- **TraXYZ server** location engine
- **PoE switch with at least 16 ports** (supplied by customer)
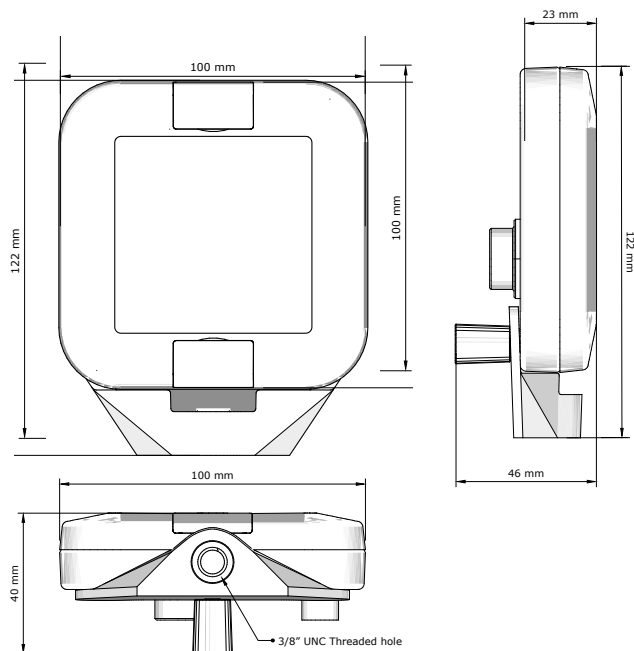- **CAT 5/6 Ethernet cables** (supplied by customer)

TraXYZ tag

- Operating time with full battery is 4 hours (using 600 mAh LiPo battery)
- Compliancy for radio transmitting devices: 2014/53/EU RED directive
- Maximum amount of tags to track: 20 at update frequency of 20Hz
- Motion sensor: 9 axis AMU
- 2 tags per performer recommended

TraXYZ anchor

- IEEE 802.3af Power over Ethernet
- 3/8" UNC threaded hole for mounting
- Surface that can be covered with 16 anchors: 50m x 50m

73 mm • 45 mm • 18 mm • 45 mm • 18 mm

100 mm • 122 mm • 100 mm • 23 mm • 122 mm • 100 mm • 46 mm • 40 mm • 3/8" UNC Threaded hole

System Connectivity:

- UWB: IEEE 802.15.4a standard
- Default frequency: UWB channel 3, with a centre frequency of 4492.8 MHz and a bandwidth of 499.2 MHz. Other channels are available if needed.
- RF Compliance: 2014/53/EU RED directive Network: IEEE 802.3af Power over Ethernet

TraXYZ server

- 1-9" rack mountable 1U server
- Intel core i7-6700TE (2.4Ghz)
- Auto power on

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