Stagetracker II

Key Features

- Real-time tracking in three dimensions

- Ultra-fast, vector based accuracy

- RF-based means no line of sight required

- Discreet, easy to conceal tags

- Pitch, roll and rotation recognition for every tag

- Tour ready, rugged construction

- IP67 rated and MIL grade tested

- Seamless operation with all market-leading immersive audio solutions including Astro Spatial Audio and d&b Soundscape

- QLab Compatibility

RadioEye Sensor

Meet the world's most accurate 3D tracking technology

From the R&D team that revolutionised on-stage tracking more than a decade ago comes Stagetracker II, a new standard in ultra-fast vector-based RF tracking with previously unseen degrees of real-time precision in all three dimensions.

Representing the culmination of over 10 years of R&D, Stagetracker II brings the possibilities of precise, multi-dimensional positioning to an extremely broad range of applications.

Stagetracker II comprises three ground-breaking elements. Redesigned, extremely discreet miniature RF tags can be easily concealed within a performer's outfit for a near invisible result, broadcasting to IP67-rated RadioEye RF receivers that each contain 60 antennas. At the heart of the system is the 19-inch, rack mountable Stagetracker II engine, with a single 2.8-inch touchscreen for fast front

panel operation. Full control is via an easy to use web-based user interface that can be augmented with plug-ins for partner systems. Up to 100 tagged performers can be tracked, and each individual tag can transmit up to 100 positions per second.

The 3D positioning data generated by Stagetracker II can be shared over IP via a number of protocols including ArtNet, Open Sound Control (OSC) and DMX, making it suitable for use with a huge variety of platforms.

Users also benefit from the speed and simplicity of Stagetracker II – an entire show can be set-up very quickly, using a single duo cable for power and control.
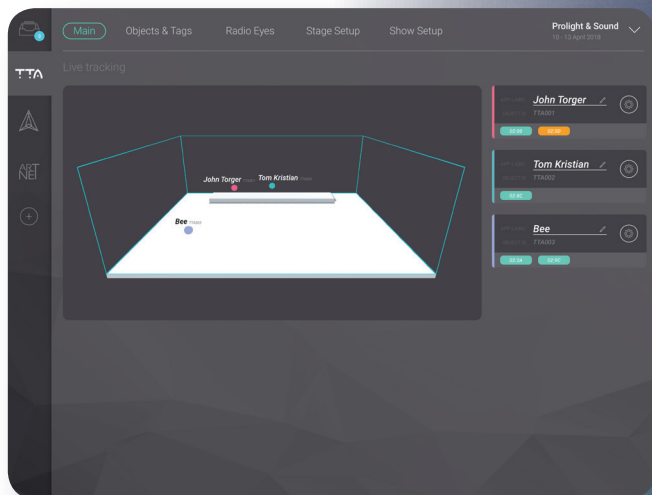
As new immersive technologies capture the imaginations of audiences worldwide, Stagetracker II expedites the seamless creation of extraordinarily precise, real-time immersive environments.

Find out more by visiting
www.tta-sound.com

Stagetracker II

Technical Specification

RadioEye Sensor

Antennas per sensor	60
Max coverage per sensor	100 tags
Operating frequency	4,9 - 5,9 GHz
Coverage angle	120 degrees
Accuracy	± 2 cm
Environmental class	IP67
Weight	10 kg
Size	35 x 35 x 20 cm
Operating temperature	-20 to +55 degrees C

RadioEye Tag (transmitter)

Operating frequency	4.9 - 5.9 GHz
Positions per second	100
Sensors	Roll, pitch, rotation, gyro
Battery life	> 9 hours
Charging	Stagetracker II docking station
Coverage	~ 200 m
Dimensions	48 x 35 x 11 mm (2.0" x 1.4" x 0.4")

Stagetracker II Core

Input voltage	100-240 Vac, 50-60 Hz
Power intake	400 W
Connector	Neutrik PowerCon nAC3MPA-1
Housing	19" Rackmount, 3 RU
Weight	12 kg
Connections	1 x Stagetracker II Net (Neutrik EtherCon)
	1 x Gigabit for position data output (Neutrik EtherCon)

Stagetracker II Net

Connector data	Neutrik EtherCon
Connector 48v DC power	Amphenol Eco-Mate
Connections	4 x RadioEye
	2 x Stagetracker Network (rear panel)
Power supply	Input voltage 100-240 Vac, 50-60 Hz
Power intake	200 W
Housing	19" Rackmount, 2 RU
Weight	8 kg

About Stagetracker II by TTA

More than a decade ago Norway's TTA sparked a revolution in theatre sound with the launch of the original Stagetracker performer localisation system, now the R&D team is introducing Stagetracker II, building on the success of the original to create entirely new experiences in the world of live entertainment. Based on state-of-the-art RF technology and IP67 rated, Stagetracker II is the world's most accurate performer tracking solution in all three dimensions, offering full compatibility with market leading immersive audio, light and video solutions.