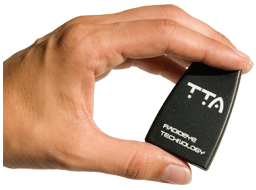
Stagetracker II

The world's most powerful stage tracking technology meets object-based immersive audio. Track up to 100 performers on stage and position sound accordingly in the venue so every member of the audience align their visual and audio experience, for a truer, more impactful performance.

Based on state-of-the-art RF technology, Stagetracker II is the world's most accurate performer tracking solution in 3D. Stagetracker II sends the SARA II engine information about the position of all the performers and so in real time SARA can position them in a 3D space.

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
- Qlab compatible



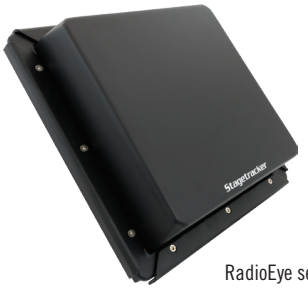
More than a decade after the original ground-breaking Stagetracker system revolutionised theatre sound, a fully reengineered and upgraded version is set to arrive in the rack-friendly, tour-ready shape of Stagetracker II.

The system was developed by the world's foremost authority in on-stage tracking technology, Norway's TTA, and includes state-of-the-art RF-based Stagetracker II RadioEye sensors, and next generation RF Tags so discreet as to become invisible within a performer's outfit.

Now fully optimised for modern, object-based immersive productions, Stagetracker II is capable of following tagged performers to within 2cm, meaning it is ready not just for audio but also lighting and video.

Designed to withstand the rigours of life on the road, the Stagetracker II RadioEye sensor is IP67-rated, while the Stagetracker II Core has a 2.8 inch touchscreen for easy operation. Remarkable degrees of precision are delivered via ultra-fast vector-based tracking in all three dimensions.

Each RadioEye sensor contains 60 antennas – up to 100 tagged performers can be tracked simultaneously, with each individual tag transmitting up to 100 positions per second. Integration with the SAR II engine is seamless via OSC, while communication is simple with any ArtNet equipped lighting console.



RadioEye sensor

ASTRO SPATIAL AUDIO

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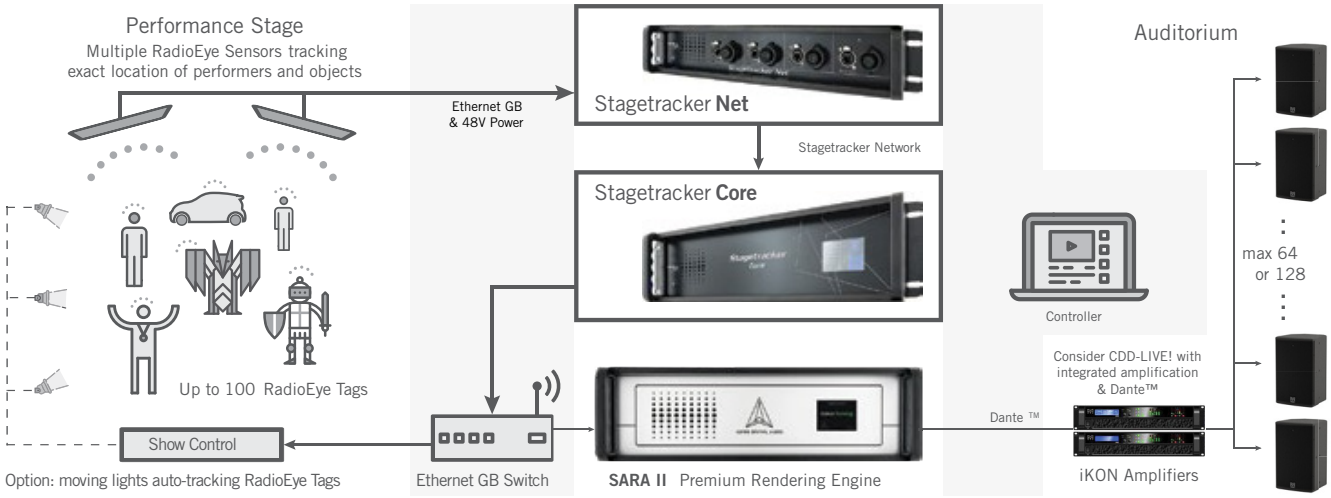
Stagetracker II

System Design Overview

Typical system diagram for Astro Spatial Tracking



Technical Specifications

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 (0.8")
Environmental class	IP67
Weight	10 kg (22 lbs)
Dimensions	350 x 350 x 200 mm (13.8" x 13.8" x 7.9")
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 (26.5 lbs)
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 (17.6 lbs)

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