

# TRINNOV AUDIO

H I G H   S P A T I A L   R E S O L U T I O N   S Y S T E M S

# S R P

## Surround Recording Platform



The first  
**High Spatial Resolution**  
multichannel microphone

# SRP

## Surround Recording Platform

**TRINNOV**  
AUDIO

## The first High Spatial Resolution multichannel microphone

- Digitally modeled directivities to match exactly the 5.1
- Omnidirectional microphone tone
- Reverberation control

### Unique spatial performances

- Accurate source positioning.
- Wide listening area (sweet spot).
- Phantom images over 360° for optimal envelopment feeling.
- Flat response in any direction.
- Optimal use of the center channel.
- Controlled recording for all directions, including azimuthal and non-azimuthal

### Robust multichannel sound

- Support down-mix to any format (4.0, 3.0, 2.0, mono) without tone alteration.
- Harmonious mix with panned sources (additional tracks or spot mics).
- Robust to matrixing and coding.

### Unique spatial features

- Optimized control of reverberation (distance factor).
- Frontal coverage angle presets.
- True spatial monitoring.
- Spatial presets adjustable during recording and post-production.

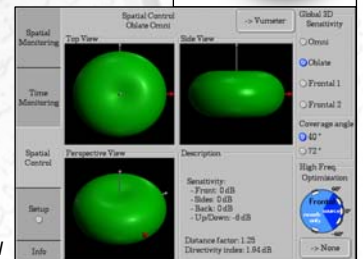
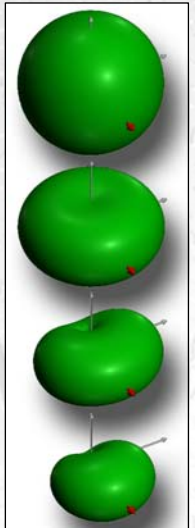
### Flexible and user friendly

- Free choice of microphones, preamps and converters.
- Compact microphone array.
- High quality color touch screen.
- Quick setup for live session.
- Supports 44.1, 48, 88.2, 96 kHz.

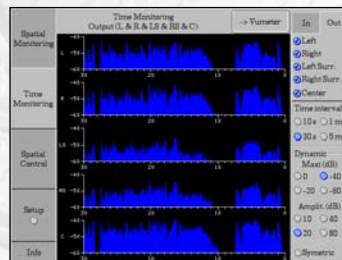
### Future-proof solution

- Software and hardware upgradable.
- Ready for future multichannel formats (6.0, ...).
- All recordings done with HSR Microphone Array are updatable (if the 8 microphone signals are recorded).

A new tool to reduce excessive reverberation. Spatial presets allow to reduce the global sensitivity of the multichannel microphone for directions where there is no direct sound but only reverberation.

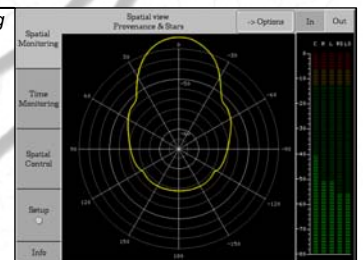


Reverberation control



Spatial monitoring

Time monitoring



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### High Spatial Resolution (HSR) Microphone Array

The HSR Microphone Array provides a unique, rigid mounting system for eight omnidirectional capsules based on extensive computer modelling and testing. Omnis provide accurate, broadband frequency response without the coloration associated with directional microphones. The array provides very accurate time cues based on individual microphone placement ideal for spatial (directional) mapping.



Microphone Array

+



Surround Recording Platform

=



High Spatial Resolution multichannel microphone

### What is SRP Processing?

The HSR Microphone Array provides eight identical signals with time cues as a function of their relative position to the soundfield. The SRP converts time differences from the soundfield into amplitude differences. The resultant adjacent channel directivity is up to five times higher than the directivity of directional studio microphones.

### How does Trinnov SRP achieve HSR?

Thanks to its unique patented HSR technology, Trinnov Audio generates each channel from all the microphones in the array, instead of one single microphone. As a result, each channel contains more spatial information and achieves high spatial resolution. The underlying scientific concept is spatial sampling of the acoustic field.