



SPS200

Software Controlled Microphone



The SPS200 Software Controlled Microphone brings the advantages of SoundField Technology to a wider audience and provides the perfect 'front end' to capture both stereo and 5.1 surround. It is ideally suited to those working in the field on laptop based recording systems or in the studio on fully fledged Digital Audio Workstations.

The SPS200 Software Controlled Microphone uses the same established SoundField multi-capsule technology as the high-end models in the SoundField range. This relatively lightweight microphone (approximately 220 grams) is powered by standard 48v phantom power and incorporates four low noise, studio grade condenser capsules. A short break-out cable outputs the four signals generated by the SPS200 at mic level on four balanced XLRs, ensuring compatibility with all equipment.

The SPS200 Software Controlled Microphone is the first SoundField microphone that does not require an accompanying control unit. All the processing - such as stereo and surround sound decoding & manipulation - takes place in the Surround Zone software which is included with the SPS200.

The software is currently available for Pro-Tools® HD and all platforms supporting VST-Multichannel such as Nuendo, Cubase, Soundscape, etc. on both PC and MAC platforms.

Pictured right: The SPS200 is supplied as standard in a professional quality protective case with 5m mic cable, mic holder, SPS200 Surround Zone software and owner's manual.



Surround Zone Software Features

- **Rotate:** Allows for full 360° rotation
- **Tilt:** Provides ±45° tilt
- **Zoom:** Gives effect of zooming in or further away from sound source
- **End Fire:** Re-orientates mic for end fire use as opposed to standard 'side address'
- **Invert:** maintains correct three-dimensional perspective in both surround and stereo when microphone is suspended upside down above the sound source

Surround

- Option of six different surround modes:
three 5.1 pre-sets, a 6.1, a 7.1 and an 8-channel pre-set
- Variable front and rear width • Variable rear polar patterns

Stereo

- Variable polar patterns • Variable stereo width
- Variable high pass filter • Mid/Side encoder

SPS200 Zephyx Kit



The SPS200 Zephyx Kit includes a specially manufactured version of SoundField's existing SPS200 microphone with a shorter body, known as the SPS200-SB (Short Body), which comes as standard fitted into the supplied Zephyx suspension mount.

Given its size and weight, the SPS200-SB is ideally suited to capturing both stereo and surround audio on location. With this use in mind, the new SPS200 Zephyx kit includes a Zephyx mount and windshield system to house the SPS200-SB mic, comprising a unique lightweight 'floating cage' assembly which mechanically decouples the microphone from the supporting boom pole or stand, and virtually eliminates vibration or handling noise. To further improve mechanical isolation, the SPS200-SB is fitted with a 28cm 'flying lead' which acts as an anti-vibration cable inside the Zephyx floating cage. Also supplied as standard with the kit is a 5 metre microphone cable terminating in four male XLRs, and a Zephyx 'hat box' style carry case.



SPS200-SB in Zephyx cage

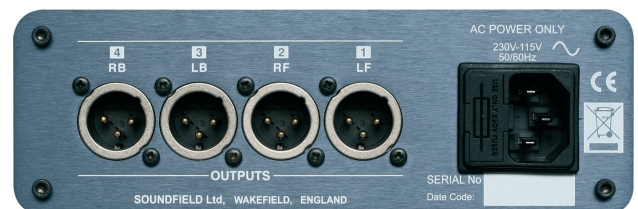


Zephyx dual-layer fabric windshield (above left) and fur windjammer (above right)

SMP200 Gain Matched Mic-Pre



The SMP200 is a four-channel mic preamp designed to complement SoundField's SPS200 'Software Controlled' Microphone. The four-capsule SPS200 is SoundField's most affordable product, and achieves this by offering software-based decoding and processing, rather than shipping with a hardware processor and control unit like other products in the SoundField range.



For preamplification purposes, the SPS200 can be used with any multi-channel mic pre or digital interface with onboard preamps. However, the output of the SPS200's four capsules still needs to be gain-matched, and the SMP200 is designed as a one-box dedicated solution to address this need. Capable of being used as a standard high-quality four-channel mic pre, the SMP200 differs from other multi-channel preamps by offering a ganged master gain control, 48V phantom power and a low-pass filter that can be applied simultaneously across all four channels, thus ensuring the outputs from the SPS200's capsules remain perfectly matched.