

ST450

SoundField Portable



The new portable, battery-powered ST450 microphone system is aimed at location recording film and TV sound specialists everywhere, and builds on the success of SoundField's previous ST250 and ST350 portable microphone systems. In line with SoundField tradition, the design of the ST450 has benefited from a great deal of practical feedback gleaned from users of both previous models.

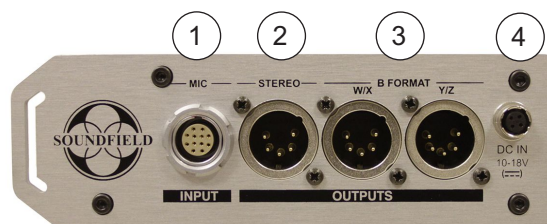
The electronics in the ST450 have been completely redesigned, taking advantage of new, improved components, resulting in a superior noise performance. Also incorporated is a new approach to converting the information captured by its four-capsule array resulting in more accurate stereo and surround imaging. All inputs/outputs are located on one side of the control unit for easy access and connectivity to portable recorders in the field. Best of all for location use, the ruggedly designed ST450 mic weighs just 290 grammes, and may be used at a distance of up to 200 metres from its associated control unit - the weight of the control box is 580 grammes.

Like its predecessors, the new ST450 generates audio in any format including mono, stereo, M/S, 5.1 surround and beyond, without the need for more than one microphone. In addition, it will generate both surround and stereo simultaneously. The microphone's control unit includes a built-in front-panel headphone monitor, bar-graph metering, and the usual fine degree of control offered by SoundField over all microphone parameters.



Front Panel Control Descriptions:

1. High performance mic-pre's with discretely switched 6dB gain steps and composite 8-segment LED bar graph for level monitoring.
2. **End-Fire**: maintains correct three-dimensional surround/stereo perspective when mic is used in the horizontal position. **Invert**: maintains correct three-dimensional surround/stereo perspective when mic is suspended upside down above the sound source.
3. Continuous control over stereo and mono Polar Patterns (omni through cardioid to figure-of-eight) for the Stereo outputs.
4. Width control - from mono (0) through to wide image stereo.
5. High quality headphone amplifier with variable level control.
6. Switchable Hi-Pass filter to reduce rumble/wind noise from both the stereo and B-Format outputs.
7. Switches Left/Right stereo outputs to M/S.



Side Panel Input/Output Connections:

1. Balanced mic input - 12 pin Lemo connector
2. Stereo Left/Right, M/S line level outputs - balanced 5 pin XLR
3. B-Format (W, X, Y, Z) line level outputs - balanced 5 pin XLR's
4. 12V DC input on 4 pin Hirose connector