

# SYMPHOTEC



Symphotec is a unique product, designed specifically for the close mic'ing of orchestral instruments. It offers a discreet, compact solution to reinforcing orchestras for live performance and simultaneous recording. It's design offers wonderful results even under unfavourable acoustical conditions, which is hugely beneficial as a listener expects the same quality of sound at all venues, whether it be a concert hall or an open air summer festival.



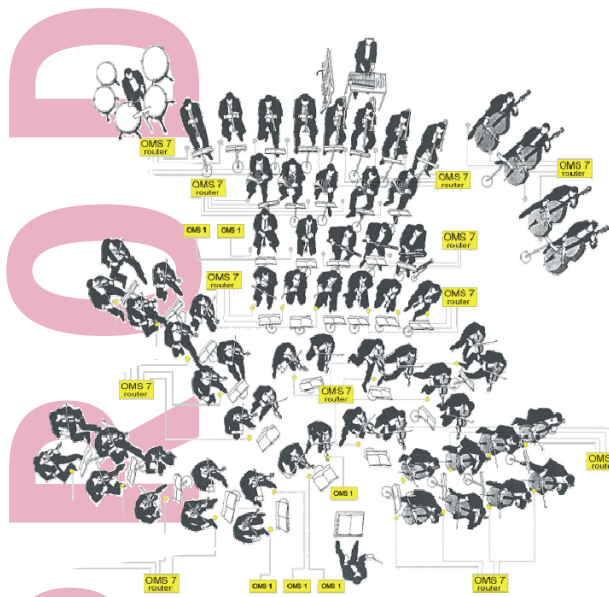
Standard orchestral close mic'ing requires many microphones which, in turn, require many channels on the mixing console. A full orchestra can mean a very large desk! Symphotec is designed to reduce the number of required channels considerably whilst maintaining engineering control of the original mix.



The system consists of specialised long bodied microphones on discreet, short stands, placed between pairs of musical instruments and connected to active routers. These routers automatically balance the respective groups of instruments by means of a patented microphone circuit and a single multi-channel router can control up to five short neck microphones. As a result, each group of instruments has its own router, which provides the mixing desk with a balanced output for further processing. As only routers affect the pre-mix the number of input channels needed on the console is reduced considerably.

Sound By Design's system comprises of a combination of 10 cardioid and 16 omni-directional long neck microphones, 26 short stands, five 5-way routers and eight single-channel routers. These, along with a carefully selected number of other favoured microphones, allow Sound By Design to completely reinforce, record and broadcast any size orchestra in any number of situations with absolute clarity and precision.

Symphotec is available to dry hire as a complete system in a custom-made flightcase or as individual components depending on your needs.



## Advantages of Symphotec :

- Richness in sound and dynamics due to quality of microphones and circuitry
- Visually unobtrusive because of shortneck microphone usage
- Very low noise floor, perfect for broadcast and recording
- The mixing console's channel loading is greatly reduced, meaning smaller consoles
- Wind sheltered because microphones are placed between the music stands
- Structured control of instruments through active routers
- Simplified mixing of individual groups of instruments
- Faster sound checks