

FDS-366T Omnidrive™ Compact Plus



Now there's one loudspeaker management system that really satisfies all your system requirements.

One **FDS-366T** can drive a true stereo 3-way system, or 3 bi-amp outputs for monitors. Add more units and MIDI slave linking to make stereo 4, 5 and even 6-way systems.

Couple this flexibility with the latest DSP developments and a fuller, more natural sound, and you can see why change is on the cards. Other applications are also satisfied, such as zoning to six discrete areas using full range or band-restricted outputs.

As a mono sum is available from all inputs, the FDS-366T will find favour with LCR post-production monitoring systems where a mono sub output is required. AES/EBU digital inputs capable of handling signals up to 96kHz sampling rates make all studio monitoring applications very interesting.

Pristine sonic performance.

The latest generation of 24-bit converters, with carefully engineered support electronics, provides a dynamic range in excess of 112dB (unweighted), without employing 'massaging' techniques that could have side effects.

The sonic performance of the FDS-366T is further enhanced by using a 96kHz sample rate. The advantages of this higher rate mean a more natural and open sound thanks to a 40kHz bandwidth and improved filter responses that are possible with the higher Nyquist frequency.

Sophisticated filter options.

Version 2.0 firmware includes new filter designs in the shape of the WHISEWORKS - NTM* topology. This new design, developed by Neville Thiele and patented by Australia's Precision Audio, provides the fastest roll-off slopes outside of the pass

band in modern IIR filter designs, while maintaining zero phase difference between adjacent bands throughout the crossover region, preventing beam-tilting. Listening tests have shown a marked and noticeable enhancement in performance over traditional Linkwitz-Riley 48dB filters. The new filters are kinder on the ear, and like the L-R design also maintain a flat frequency response throughout the crossover region. NTM filters are available at 36dB and 52dB per octave.

Easy to set up.

The FDS-366T's Alignment Assistant makes the calculation of driver delay settings quick and automatic. A microphone input directly measures and corrects for the acoustic delay introduced by the positioning of the drivers and cabinets, so that inter-band phase and inter-cabinet phase is correctly maintained.

As an added bonus, Omnidrive™ can be controlled by HiQnet London Architect™

for Soundweb London Devices, Omnidrive, Minidrive and Crown PIP modules, with multiple unit control, custom control panel creation and wireless operation.

FDS-366T Omnidrive Compact Plus

- Compact 1U size
- 3 inputs and 6 outputs, with complete routing flexibility
- 3, 4, 5, or 6-way mono, stereo 3-way, stereo 2-way with sub-bass, triple bi-amp, dual tri-amp, 6 zone feeds, etc.
- 96kHz sample rates
- >112 dB dynamic range
- Alignment Assistant for driver delay correction
- AES/EBU stereo digital input comes standard
- Assignable EQ, up to 50 bands available (dependent on crossover settings)
- EQ can be Bell or Shelving
- Filter types include Bessel, Butterworth, Linkwitz-Riley and WHISEWORKS NTM™
- Filter slopes from 6 dB to 52 dB per octave
- Dynamic EQ on inputs and outputs
- Delay times up to 2.6 seconds
- Control delays in unusually fine 11 microsecond steps
- Linkable band delays for easy adjustment
- Main delays for delay towers
- Display/adjust delays in feet, meters, milliseconds or fps
- Simultaneous view of system crossover points and EQ curves
- Quick memory recall via MIDI Program Change
- Simultaneous control of multiple FPD-366Ts through HiQnet London Architect software

WHISEWORKS, Neville Thiele Method and NTM are trademarks of Precision Audio Pty, Ltd.

