

APPLICATION EXAMPLE

SPORTS FACILITY

APPLICATION

Sports Facility

OBJECTIVE

A three independent zone sports facility with two zones featuring high SPL's and the third with background level audio. Each zone requires individual audio control.

CUSTOMER REQUIREMENT

- ▶ 3 Zones requiring individual audio control
- ▶ Limited member access to audio systems
- ▶ High impact system in the spin studio
- ▶ Background level audio for reception and changing facilities
- ▶ All three zones must have the ability to be auto-muted when evacuation alarm is active

PRODUCT SOLUTION



4FW50T
5x 4" Wideband loudspeakers for reception



6FP100T
10x 6.5" 2-Way loudspeakers for gym area



8SM300T
4x Dual 8" subwoofer for gym area



4SDL160
2x 4-Channel amplifier



PAA42
2x Multimedia preamp



2SDL70 & VLA42
1x each amp & control



CONCEPT

This project is treated as three separate installations as per the initial specification: reception, main gym area and spin studio. At the reception - including the changing rooms - five 4FW50T loudspeakers provide background audio, driven by a single 2SDL70 amplifier, and controlled by a VLA42 volume control node for input selection and volume setting.

In the main gym area, six 6FP100T loudspeakers combined with two 8SM300T subwoofers provide a punchy, high quality sound, with two 4SDL160 four-channel amplifiers powering all eight loudspeakers, fed by a single PAA42 media preamp.

Finally, the spin studio features a high impact audio system consisting of four 6FP100T loudspeakers and two 8SM-300T subwoofers, all powered by two 4SDL160 power amplifiers running in 2.1 configuration, and fed by another PAA42.