

# 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.