



## **NYFC Gym – Silver Arc, Ludhiana**

### **Premium Project Case Study**

#### **Professional Fitness Audio System Integration by Accurate Info Solution**

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#### **Project Overview**

**NYFC Gym**, located at **Silver Arc Mall, Ludhiana**, aimed to create a high-energy fitness environment supported by a powerful, crystal-clear professional audio system. The management required a solution that could maintain sound clarity even at high volume levels, deliver consistent coverage across multiple workout zones, and support both daily training sessions and special events.

**Accurate Info Solution** was assigned to design, supply, install, and tune a complete professional audio ecosystem tailored specifically for the acoustic challenges of a modern gym space.

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#### **Project Goals**

- Create an immersive and energetic workout sound experience
- Achieve uniform audio coverage throughout the gym
- Ensure high performance at long operating hours
- Provide flexible control for trainers and DJs
- Deliver a future-ready, scalable audio solution

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## Installed Equipment

Technical Description	Make	Quantity
Bose Panaray 802 Speakers	Bose PANARAY 802	4
Speaker Brackets	Custom	4
FS4SE Speakers	Bose FS4SE	2
2 × 600W Power Amplifier	P2600A	2
Digital Signal Processor (DPA 260A+) Marani		1
DJ Mixer XDJ-RR	Pioneer	1
Portable Line Array System	Bose L1 Pro 16	1
Wireless Headworn Microphone	Electro-Voice R300	1
6" 2-Way Ceiling Speakers PCS6.2	Electro-Voice	6
240W Mixing Amplifier Plena 240	Bosch	1

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## Solution Design & Execution

### 1. High-Energy Main Audio System

The installation of **Bose Panaray 802 loudspeakers** delivered powerful output and dynamic sound pressure levels, ideal for motivating fitness sessions while maintaining excellent clarity.

### 2. Zone-Based Sound Distribution

Additional FS4SE and ceiling speakers ensured balanced audio coverage across different workout areas, reducing dead zones and maintaining a consistent listening experience.

### 3. Precision Audio Tuning

The **Marani Digital Signal Processor** was configured to optimize frequency response, improve vocal clarity, control bass, and protect speakers during high-volume usage.

### 4. Flexible Music & Event Control

The **Pioneer XDJ-RR DJ mixer** allows seamless music control for trainers, DJs, and special fitness events, enabling professional-level flexibility.

## 5. Trainer Communication System

A **wireless head worn microphone** was integrated to provide clear voice projection for instructors conducting group classes.

## 6. Portable Performance Setup

The **Bose L1 Pro 16 portable line array** adds mobility and flexibility for workshops, events, and temporary setups inside or outside the gym.

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### Project Outcome

- Powerful and motivating sound environment
  - Uniform coverage across workout zones
  - Clear trainer voice reinforcement
  - Seamless music control and operation
  - Professional reliability for continuous daily usage
  - Enhanced overall member experience
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### Why NYFC Gym Chose Accurate Info Solution

NYFC Gym partnered with **Accurate Info Solution** for several key reasons:

- Specialized expertise in **professional AV and sound system integration**
  - Strong understanding of gym acoustics and performance requirements
  - System design focused on durability, clarity, and scalability
  - End-to-end project execution — design, installation, tuning, and support
  - Brand-neutral approach selecting the right technology for the application
  - Reliable post-installation technical assistance
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### About Accurate Info Solution

**Accurate Info Solution** is a professional AV system integration company delivering high-performance audio-visual solutions across India. The company specializes in designing and deploying intelligent AV environments for fitness centers, educational institutions, corporate spaces, auditoriums, and hospitality venues.