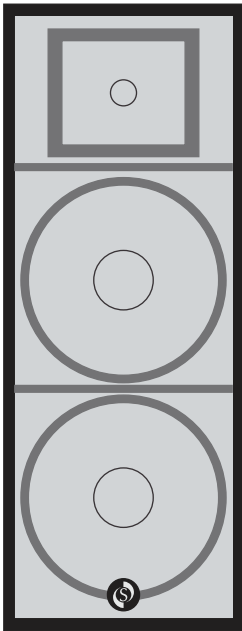




FIRE 55 / 57

Professional Passive Speakers



- Thank you for purchasing the Studiomaster Professional Fire 55 / Fire 57 Passive Speaker.
- To ensure optimum performance and safety, please follow this instruction manual carefully.
- Please retain this manual for future reference.
- For any complaint, feedback or testimonials please contact our distributor / dealer.

1.....	Warranty Information
2.....	Introduction
3.....	Features
4.....	Application
5.....	Connection
6.....	Application Guideline
7.....	Hook-up Diagram
8.....	Technical Specifications

Warranty Information

Unpacking

As part of our system of quality control, every Studiomaster Professional product is carefully inspected before leaving the factory to ensure flawless appearance. After unpacking, please inspect for any physical damage. In the event that damage has occurred, immediately notify your Studiomaster Professional dealer.

Introduction

The Dual 15" Studiomaster Professional Fire 55 / Fire 57 loudspeakers combine state of art crossover design & outstanding components to ensure superior sound reproduction, making it suitable for a wide range of applications.

Features

- High power handling, high efficiency.
- Extremely powerful dual 15" long-excursion drivers provide incredibly deep bass & power.
- Features back firing ports to enhance the bass response.
- Overload protection circuitry ensures optimal HF driver protection.
- Heavy-Gauge, perforated metal speaker grille.
- Dual-Speakon Connector allows linking of additional loudspeakers.
- Power Rating: 1000W (RMS) (Fire 55), 1300W (RMS) (Fire 57) & Impedance: 4Ω.
- Frequency Range: 30Hz-20 KHz (Fire 55), 40Hz-18 KHz (Fire 57).
- Ergonomically shaped handles for easy transportation.
- Attractive Brown Paint Finish.

Application

- Main PA.
- Night Clubs.
- House of Worship.
- DJ applications.

Connection

The Studiomaster Professional Fire 55 / Fire 57 is equipped with high quality speakon connectors. Two connectors are installed in parallel allowing an additional speaker set to be installed.

The pin arrangement of speakon connector for full range:

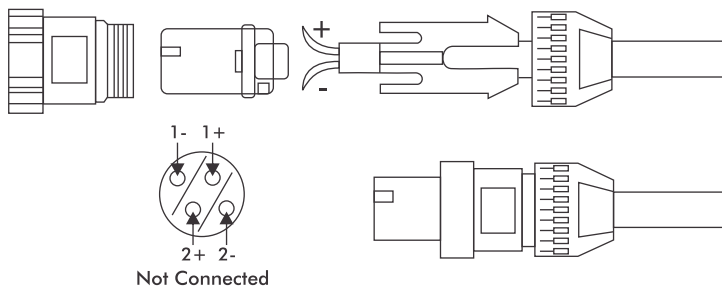
1+ = In (+)

1- = In (-)

2+ = Not used

2- = Not used

Speakon Wiring Guide



Note:

Each speaker connected in parallel increases the load on the amplifier & can add up to a total load that may exceed the amplifier's capabilities, leading to possible damage.

- Two 8Ω loud speakers in parallel make 4Ω total load.
- Four 8Ω parallel connected loud speakers make a total load of 2Ω, which is too low for many amplifiers.



1) Wire size

Please use cables of the correct guage in order to obtain optimum performance from your speaker system. We recommend that your cable should be no smaller than 14 guage. For cables of length 100-250ft use cables no smaller than 12 guage.

2). Matching amplifier.

To get the maximum performance from your Fire 55 / 57 loudspeaker, Studiometer Professional recommends the following guidelines.

Application Guidelines

- Carefully Monitored Application :** For carefully monitored applications, where the peak transient capability must be maintained, the amplifier should be capable of delivering twice the continuous power rating of the speaker. As an example, a speaker rated at 1000 continuous Watts (Fire 55) & 1300 continuous Watts (Fire 57) can be safely driven by an amplifier capable of 2000 Watts (Fire 55) & 2600 Watts (Fire 57) power output.
- Routine application:** For routine application where high continuous, but non-distorted output is likely to encountered, the amplifier power rating should match the continuous power rating of the speaker.
- Please ensure that the back firing ports are not blocked or covered, doing this will affect the bass performance.

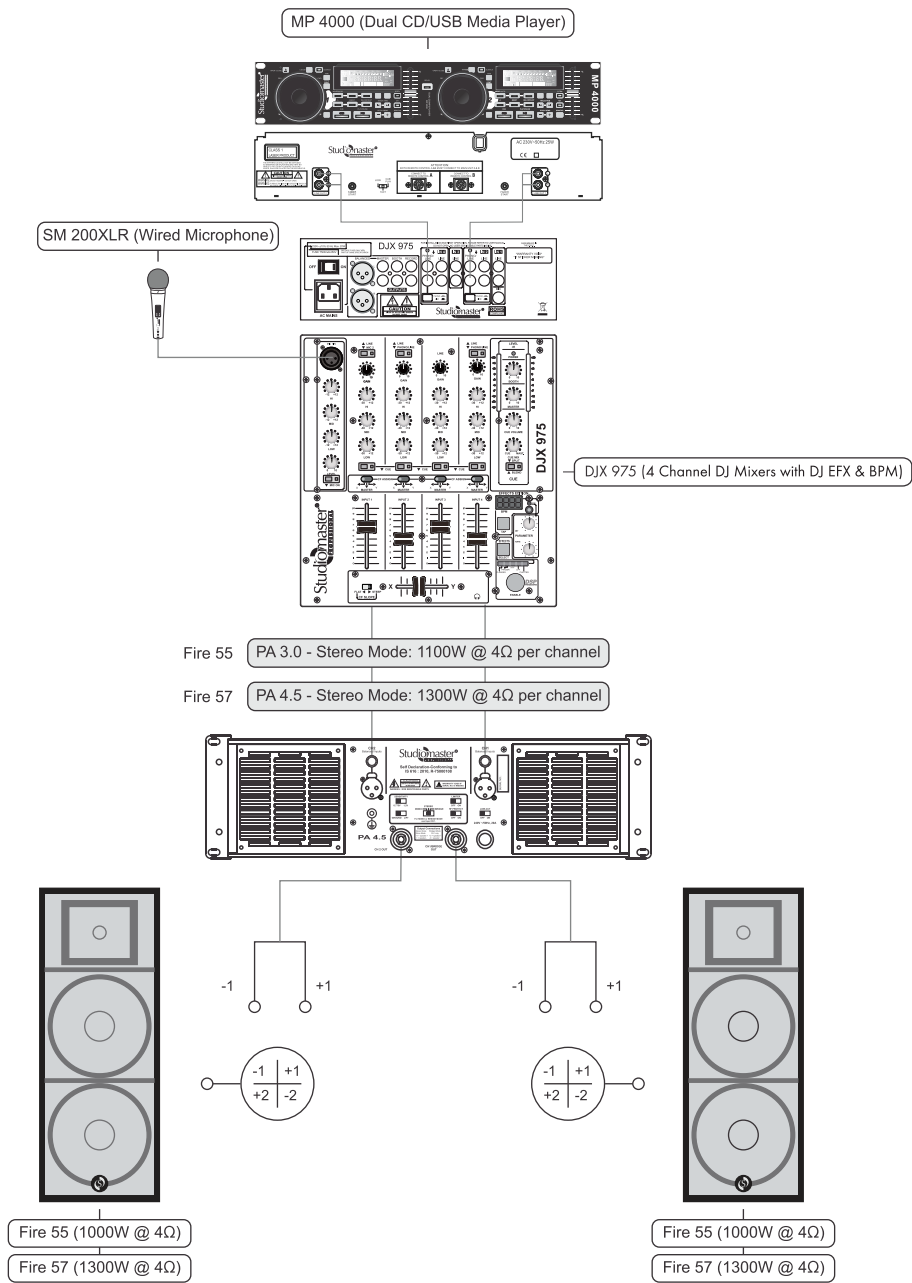
To protect your system

- Use adequate clean power to drive the system to required levels. Avoid **clipping** or overloading your power amplifier & mixer.
- Continuous Clipped Signals will destroy your speakers even when driven at low power.
- Recognize and respect the known limits of your equipment.
- Consider adding a peak limiter, such as the compressor/limiter to your system to electronically limit potentially damping.

Hook up diagrams

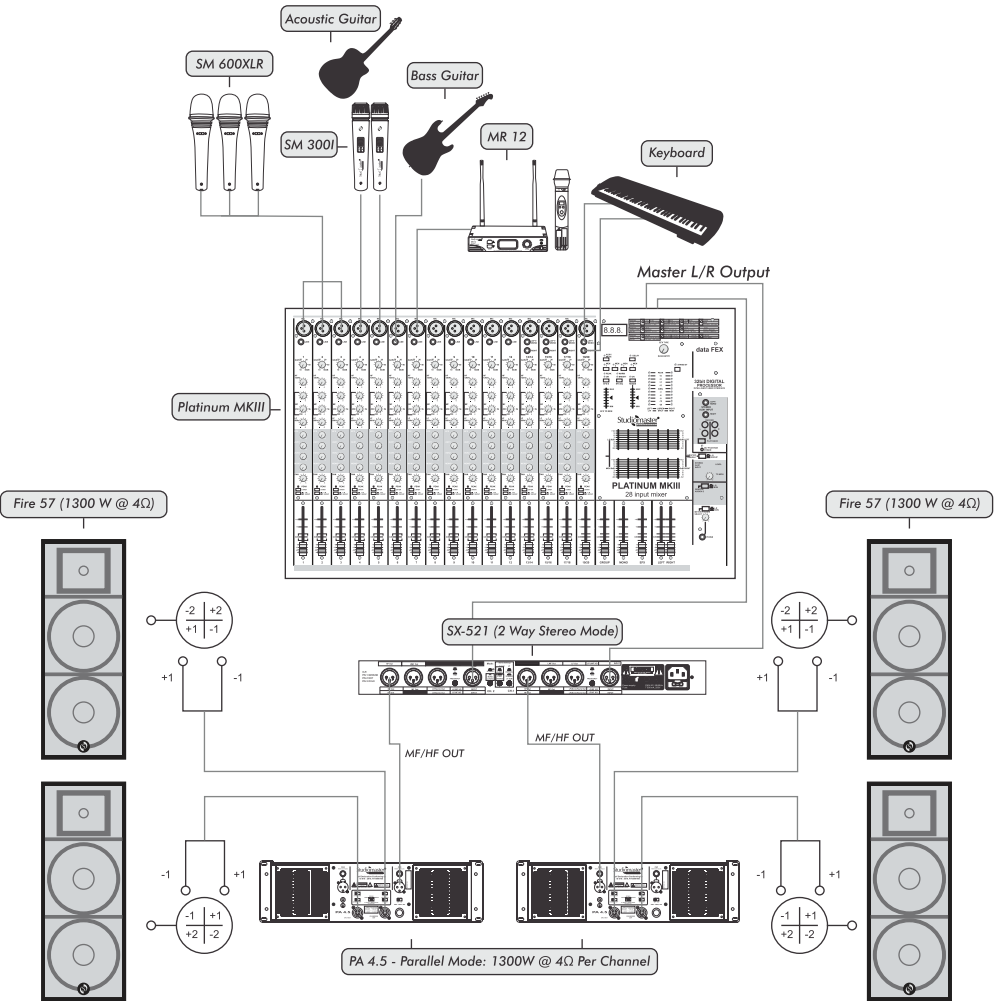
1. Stereo Set-Up (For DJ)

Power: 2000 Watts RMS (Fire 55), Power: 2600 Watts RMS (Fire 57)
Impedance: 4Ω



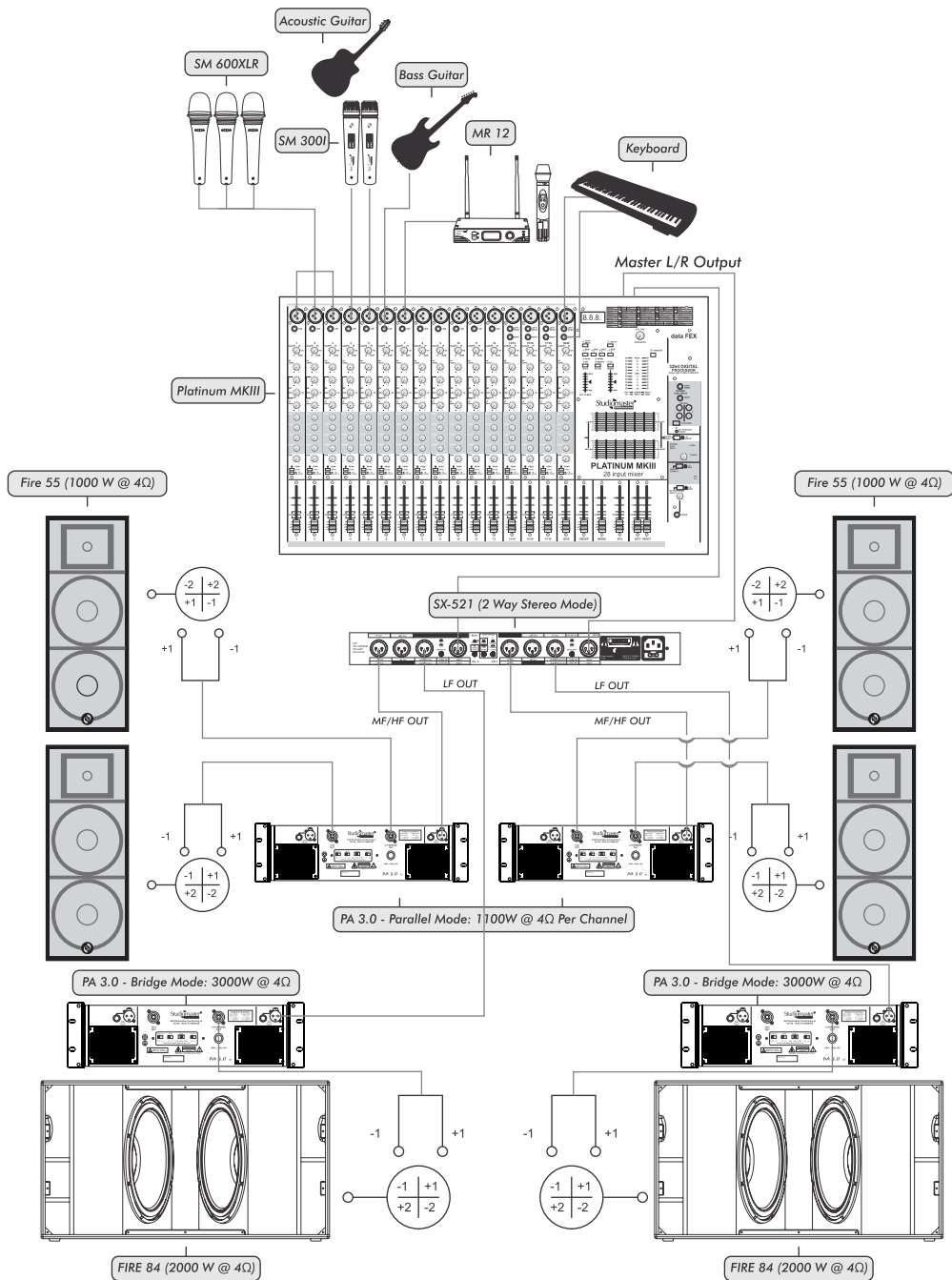
2. Stereo Set-Up (For DJ)

Power: 5200 Watts RMS (Fire 57)
Impedance: 4Ω

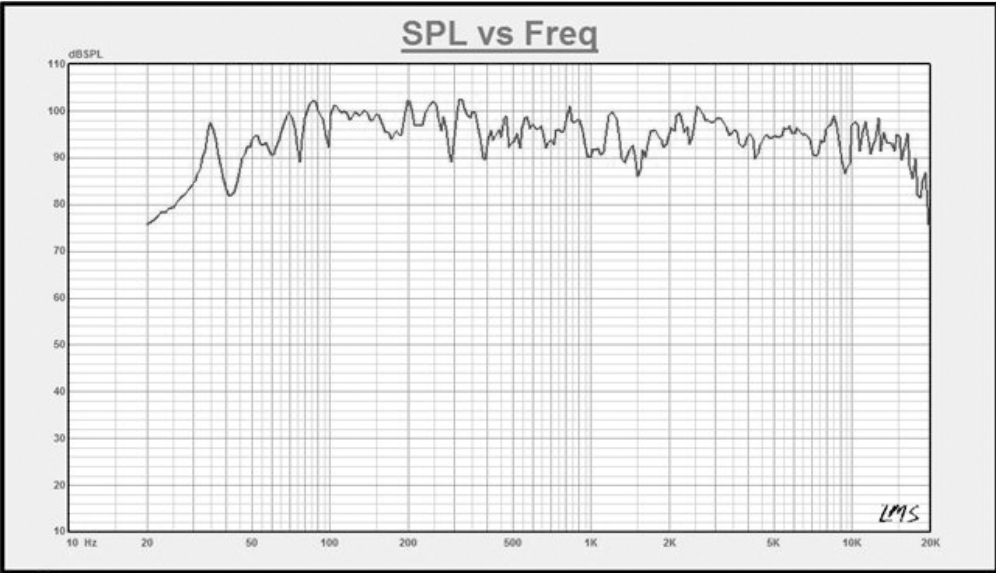


3. Stereo Set-Up (Live /Orchestral Setup)

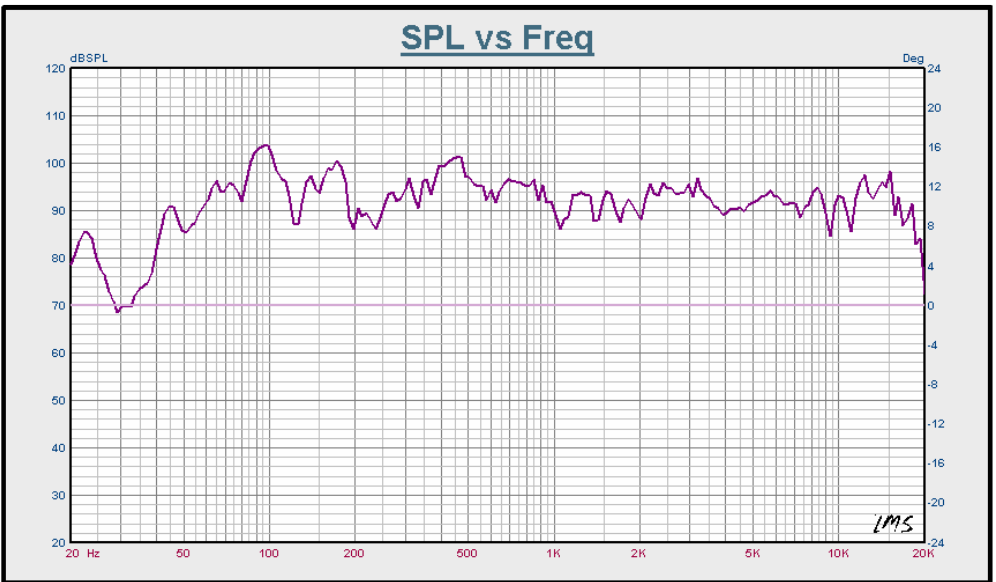
Power: 8000 Watts RMS



Frequency Response (Fire 55)



Frequency Response (Fire 57)



Technical Specifications

Models	Fire 55	Fire 57
Frequency Response	30Hz-20KHz	40Hz-18KHz
Coverage (H x V)	90° x 60°	
Power Handling (Watts)		
Continuous	1000W	1300W
Peak	2000W	2600W
Sensitivity 1w/1m	97dB	96dB
Peak SPL	132dB	133dB
System Impedance	4 Ω	
LF Driver		
Driver Size (inches)	2 x 15"	
Coil Size (inches)	4.0"	
HF Driver		
Coil Size (inches)	2.84"	
Exit Size (inches)	2.0"	
HF Protection	MOSFET	
Crossover Section		
Crossover Type	2 Way	
Crossover Frequency	1500Hz	
Enclosure		
Shape	Trapezoidal	
Finish Colour	Brown	
Input Connector	2 x Speakon	
Dimension (W x D x H)mm	450 x 530 x 1160	
Net Weight	60.5 Kg	63.5 Kg

* Design and specification are subject to change without notice

Studio**master**[®] is a registered trademark of Audioplus in India. © Copyright Audioplus, 2008. All rights reserved. Any unauthorised reproduction or use of logos, images or design elements is strictly prohibited by law. No part of the compilation may be reproduced in any manner or translated without written permission.