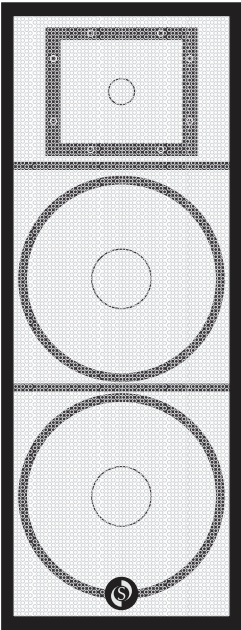




FIRE 55

Professional Passive Speakers



- Thank you for purchasing the Studiomaster Professional Fire 55 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 loudspeakers combines 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: 950W (RMS) / Impedance: 4Ω.
- Frequency Range: 30Hz to 20 KHz.
- 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 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:

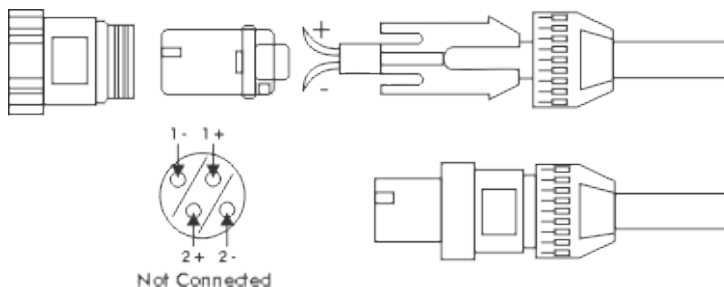
1+ = In (+)

1- = In (-)

2+ = Not used

2- = Not used

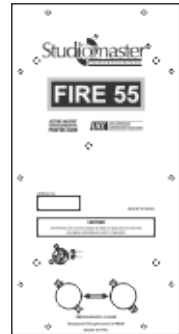
Speakon Wiring Guide



Note:

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

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



1) Wire size

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

2). Matching amplifier.

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

Application Guidelines

- a). **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 950 continuous watts can be safely driven by an amplifier capable of 1900 watts power output.
- b). **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.
- c). Please ensure that the back firing ports are not blocked or covered, doing this will affect the bass performance.

To protect your system

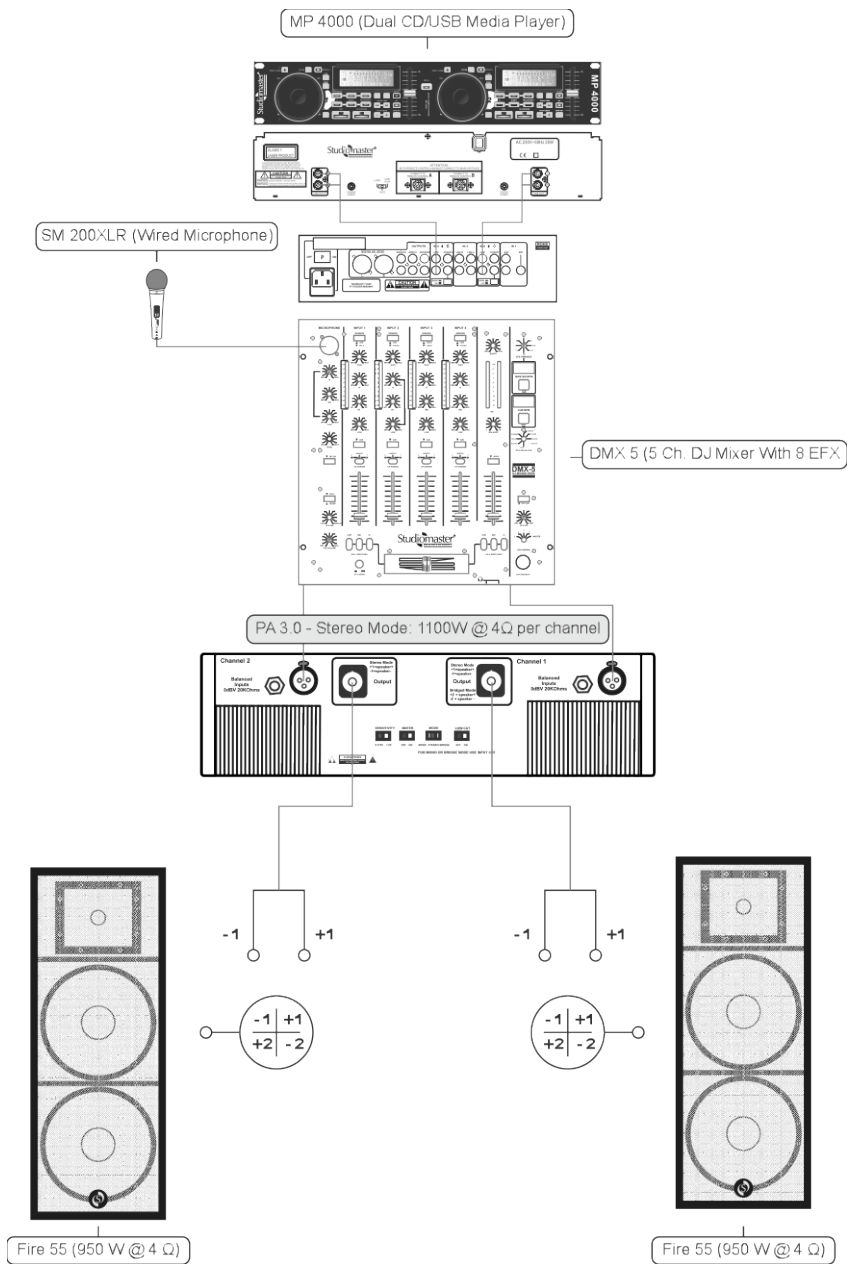
- a) Use adequate clean power to drive the system to required levels. Avoid **clipping** or overloading your power amplifier & mixer.
- b) Continuous Clipped Signals will destroy your speakers even when driven at low power.
- c) Recognize and respect the known limits of your equipment.
- d) Consider 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: 1900 Watts RMS

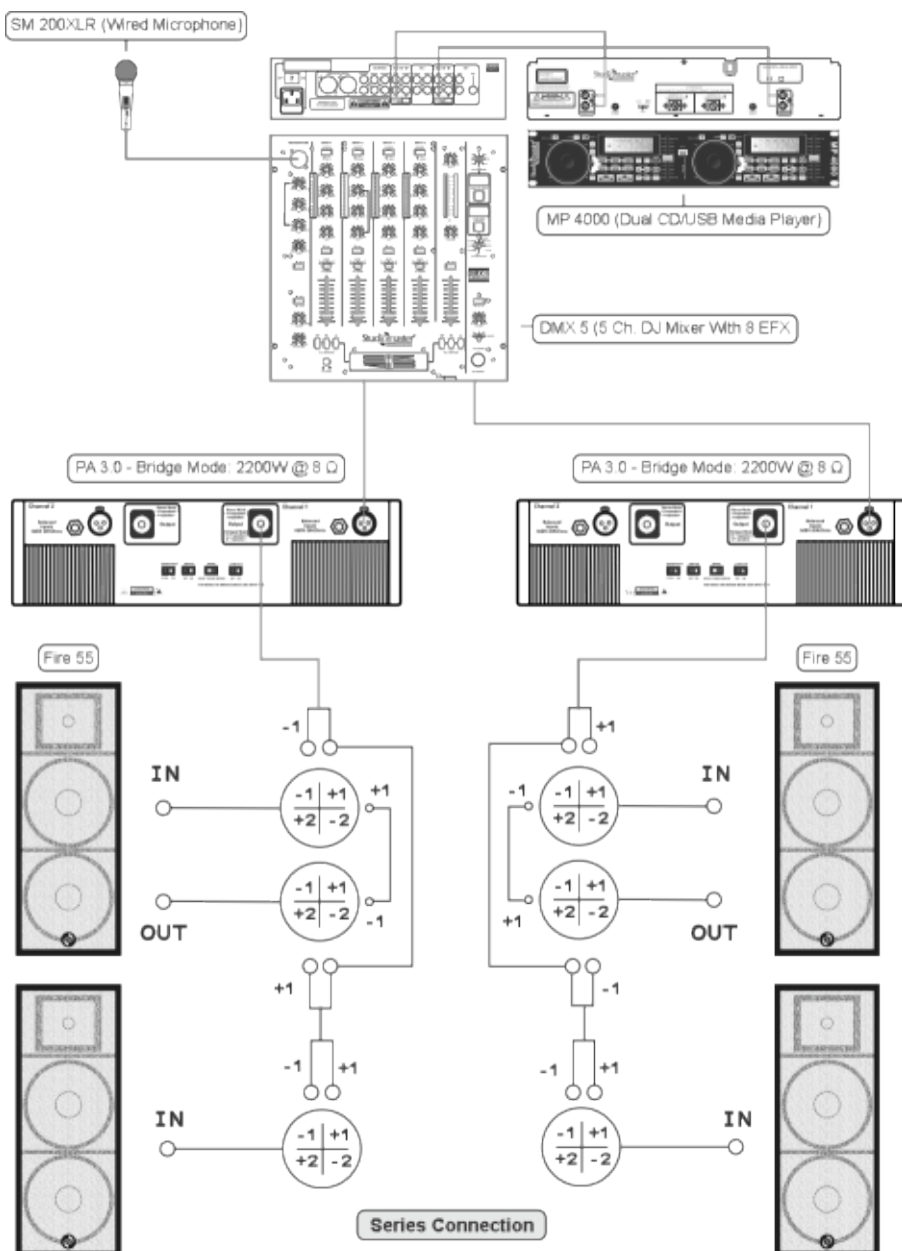
Impedance: 4



2. Stereo Set-Up (For DJ)

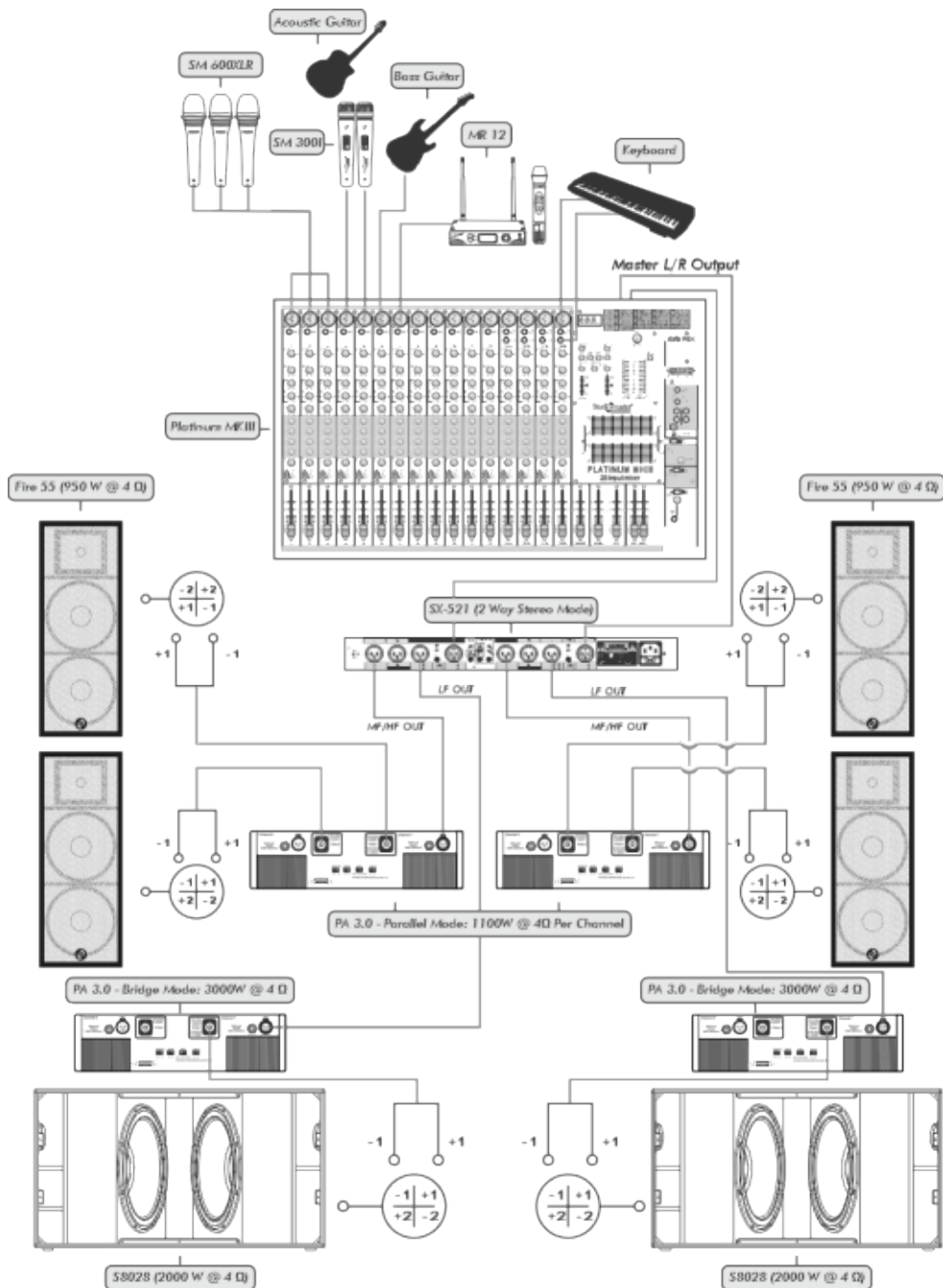
Power: 3800 Watts RMS

Impedance: 8

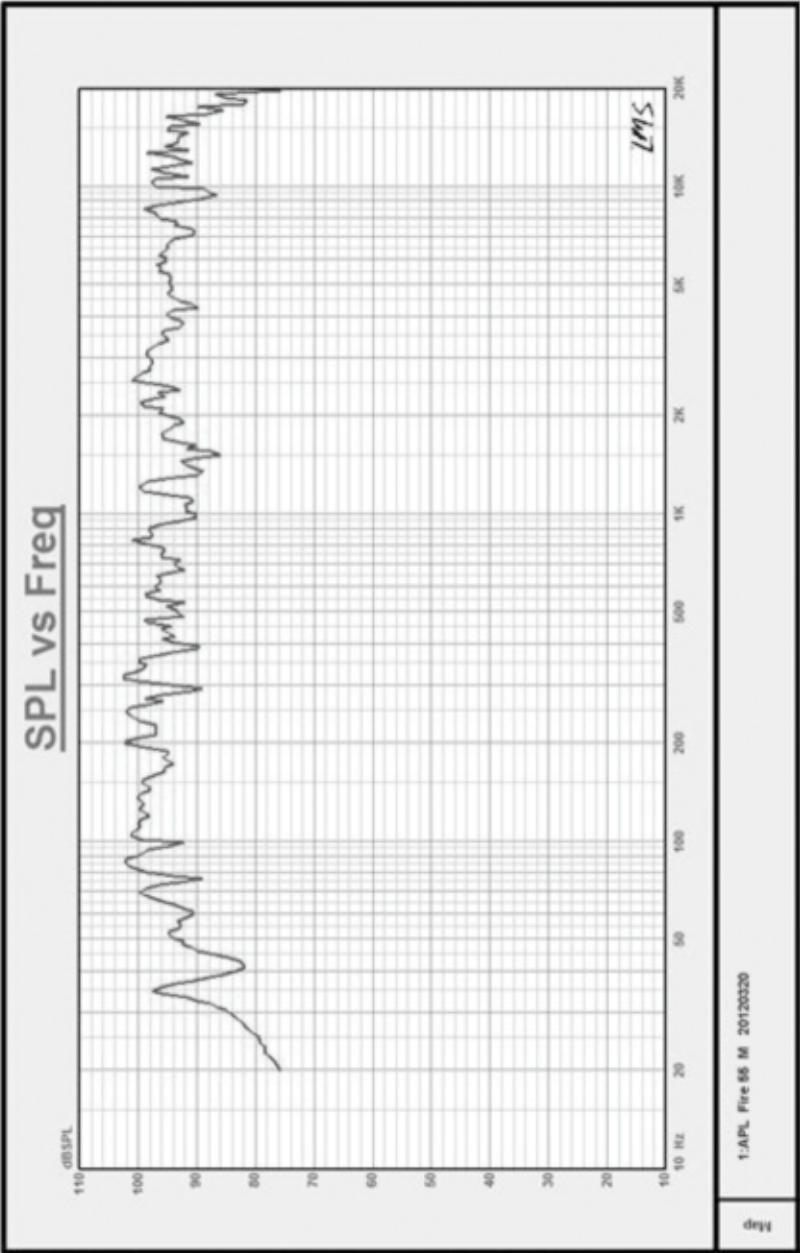


3. Stereo Set-Up (Live /Orchestral Setup)

Power: 7800 Watts RMS



FREQUENCY RESPONSE



Technical Specifications

Frequency Response	30Hz-20kHz
Coverage (H x V)	90° x 60°
Power Handling (Watts)	
Continuous	950W
Music	1900W
Peak	3800W
Sensitivity 1w/1m	97dB
Peak SPL	132dB
System Impedance	4
LF Driver	
Driver Size (inches)	
Coil Size (inches)	2 x 15"
HF Driver	
Coil Size (inches)	
Exit Size (inches)	1.75"
HF Protection	1.0"
Crossover Section	
Crossover Type	
Crossover Frequency	2 Way
Enclosure	
Shape	
Finish Colour	Trapezoidal
Input Connector	Brown
Dimension (W x D x H)mm	2 x Speakon
Weight	1160 x 450 x 530
	57 Kgs

* Design and specification are subject to change without notice

Studiomaster[®] 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.