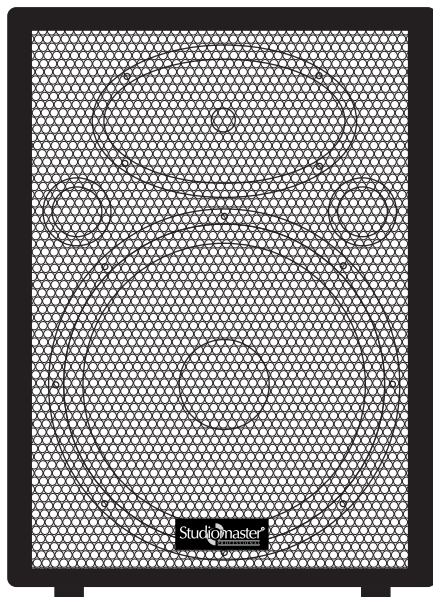




EKS 151

Professional Passive Speakers



- Thank you for purchasing the Studiomaster Professional EKS 151 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. Hook-up Diagram
7. Technical Specifications

1. 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 dealer. Retain the cartons for future use should the product require servicing / maintenance.

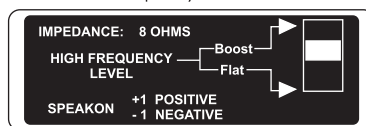
2. Introduction

The Studiomaster Professional EKS 151 is a 350W Speaker with 15" Woofer. The EKS 151 loudspeaker combines a state of art design and outstanding sound quality to provide a choice of sound systems to suit almost every application.

3. Features

- Professional Loudspeakers systems highly recommended for a variety outdoor & indoor applications.
- Rugged wooden, black carpet finish enclosures.
- Ergonomically shaped handles for easy transportation
- Parallel input connectors allow linking of additional speakers.
- Heavy-Gauge perforated metal speaker grille for optimal speaker protection.
- Trapezoidal shaped enclosures for easy array & sonic accuracy.

- HF frequency boost switch.



4. Application

- Live Shows.
- Night Clubs.
- House of Worship.
- DJ Shows
- Installation.

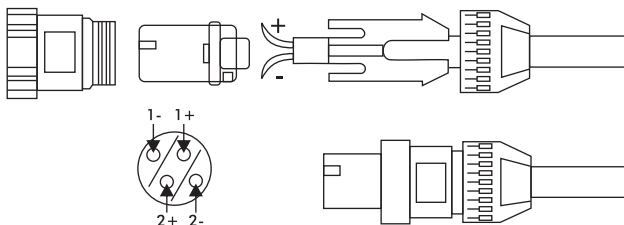
5. Connection

The Studiomaster Professional EKS 151 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



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 EKS 151 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 600 continuous watts can be safely driven by an amplifier capable of 1200 watts power output.
- b). **Routine application:** For routine application where high continuous, but non-distorted output is likely to be encountered, the amplifier power rating should match the continuous power rating of the speaker.

To protect your system

- a) Use adequate clean power to drive the system to required levels. Avoid clipping or overloading your power amplifier.
- b) Recognize and respect the known limits of your equipment.
- c) Consider adding a peak limiter, such as the compressor/limiter to your system.
- d) To get the best performance from a loudspeaker, the amplifier should be rated higher in terms of watts. It wouldn't be unreasonable to connect a 200 W amplifier to a 100 W speaker, and it won't blow the drive units unless you push the level too high.

6. Hook Up Diagram

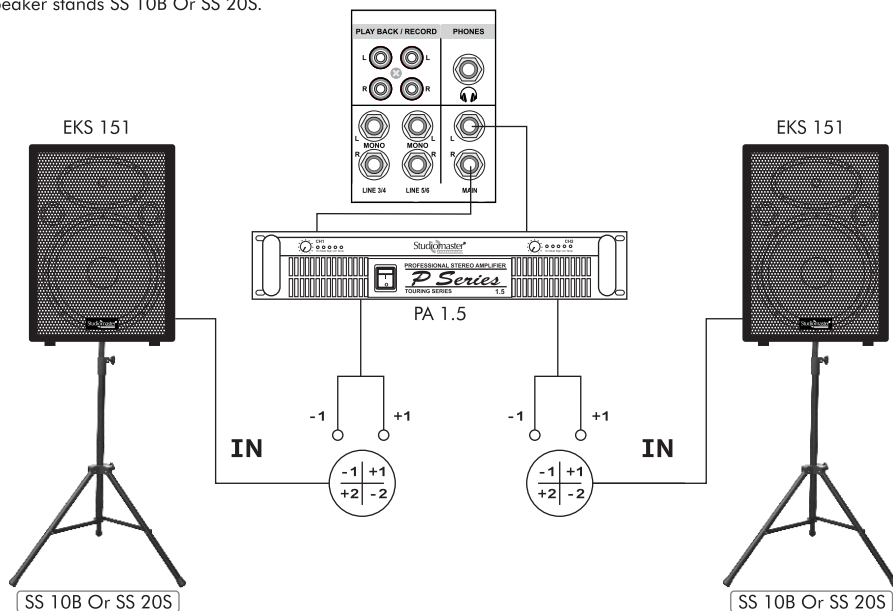
Stereo Set-up

700 Watts RMS

Effective System Voltage

Products Used:

- Studiomaster Professional EKS 151 x 2 Loudspeakers.
- Studiomaster Professional PA 1.5 Power Amplifier.
- Mixer of your choice.
- Speaker stands SS 10B Or SS 20S.



6. Technical Specifications:

Model	EKS 151
Type	2-Way
Frequency Response	42Hz-20KHz
Power Output (RMS / Peak) Watts	350 / 700
Impedance	8 Ω
Sensitivity (1w @1m) dB	97.8
Max SPL (dB)	121.5
HF Driver	1.75"
LF Driver	15"
Input Connectors	2 x Speakon, 2 x 1/4" Jack
Dimensions (W x D x H) mm	460/295 x 450 x 675
Net Weight (Kg)	28

* Design and specification are subject to change without notice

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