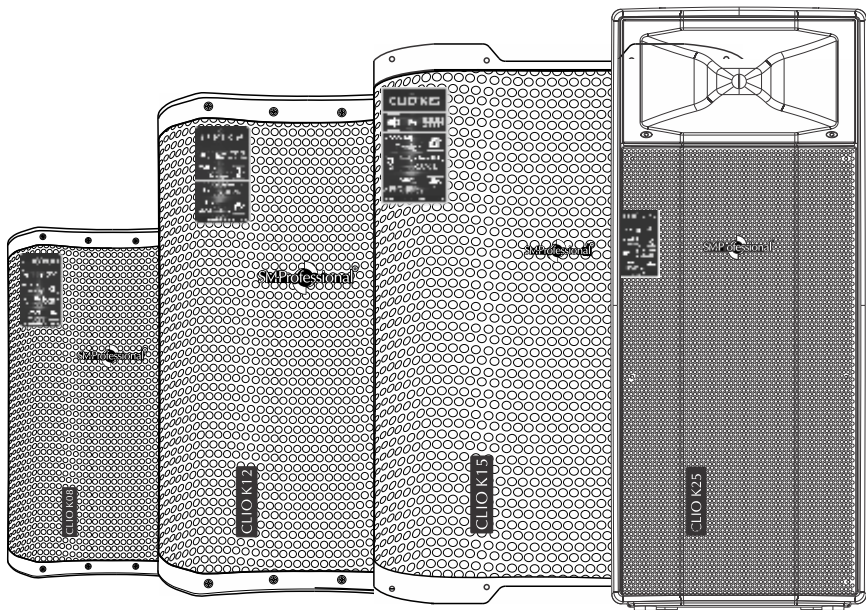




Clio K Series

Professional Passive Speakers



- Thank you for purchasing the SMProfessional Clio K Series Passive Speakers.
 - 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.
-Warranty Information
 -Introduction
 -Features
 -Application
 -Connection
 -Application Guideline
 -Hook-up Diagram
 -Technical Specifications

Warranty Information

Unpacking

As part of our system of quality control, every SMProfessional 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 SMProfessional dealer.

Introduction

The SMProfessional 8", 12", 15" & Dual 15" Clio K Series 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 8", 12", 15" & 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.
- Ergonomically shaped handles for easy transportation.
- Attractive Black Paint Finish.

Available Models

- Clio K08
- Clio K12
- Clio K15
- Clio K25

Application

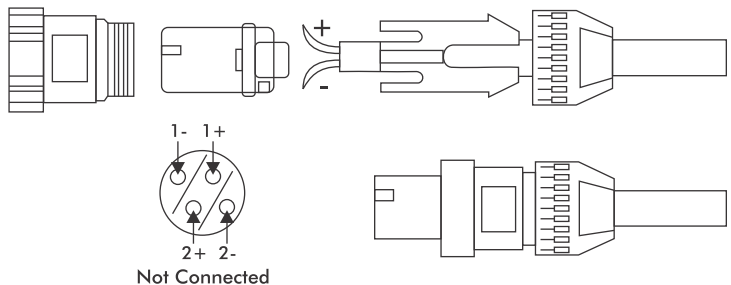
- Main PA.
- Night Clubs.
- House of Worship.
- DJ applications.

Connection

The SMProfessional Clio K Series 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

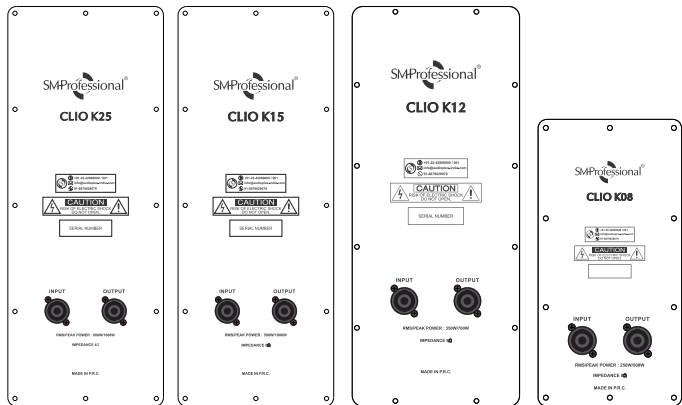


Speakon Wiring Guide

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 4Ω 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 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 Clío K Series loudspeaker, SMProfessional 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 250W / 350W / 500W / 800W continuous Watts can be safely driven by an amplifier capable of 500W / 700W / 1000W power output respectively.
- 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

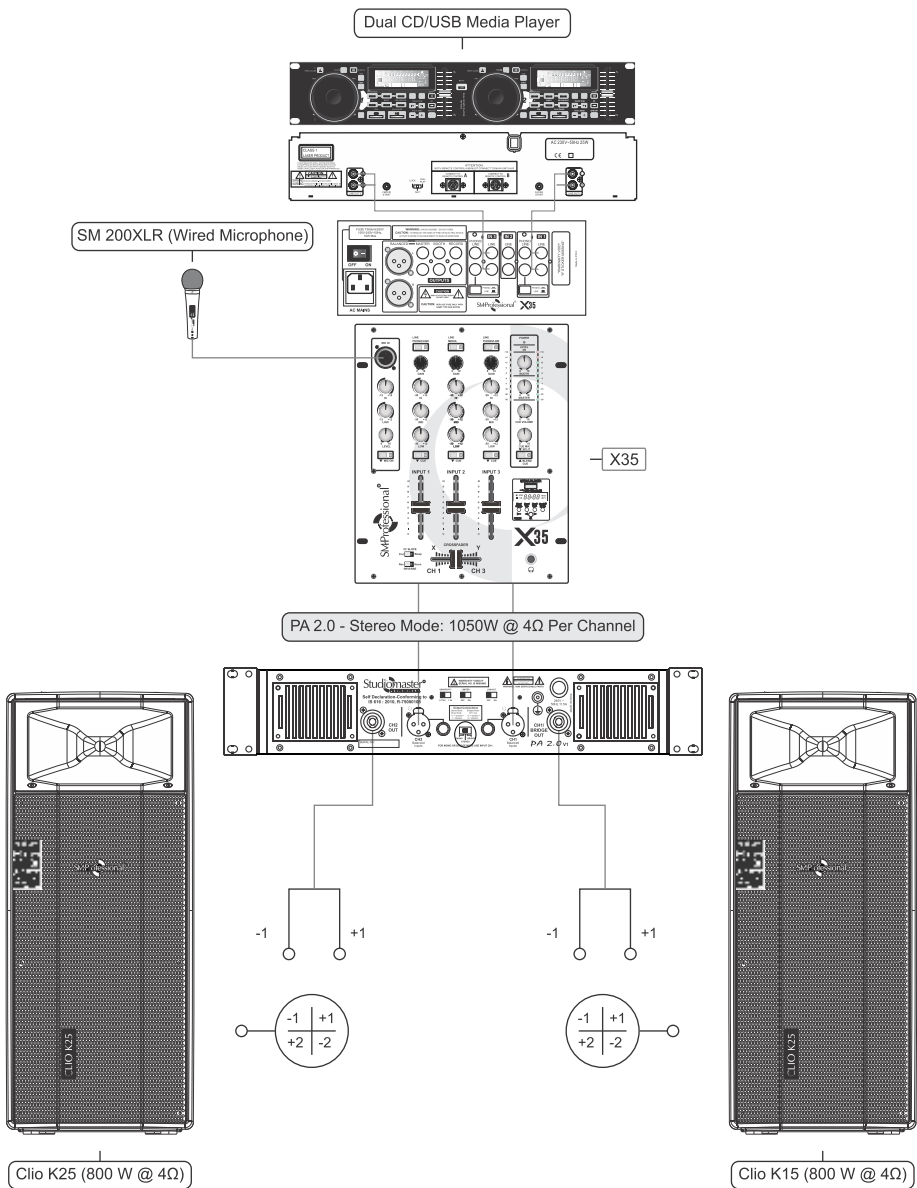
- Use adequate clean power to drive the system to required levels. Avoid clipping or overloading your power amplifier & mixer.
- Continuous Clipped Signals will destroy your speakers even when driven at low power.
- Recognize and respect the known limits of your equipment.
- Consider adding a peak limiter,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

Hook up diagrams

1. Stereo Set-Up (For DJ)

Power: 1600 Watts RMS

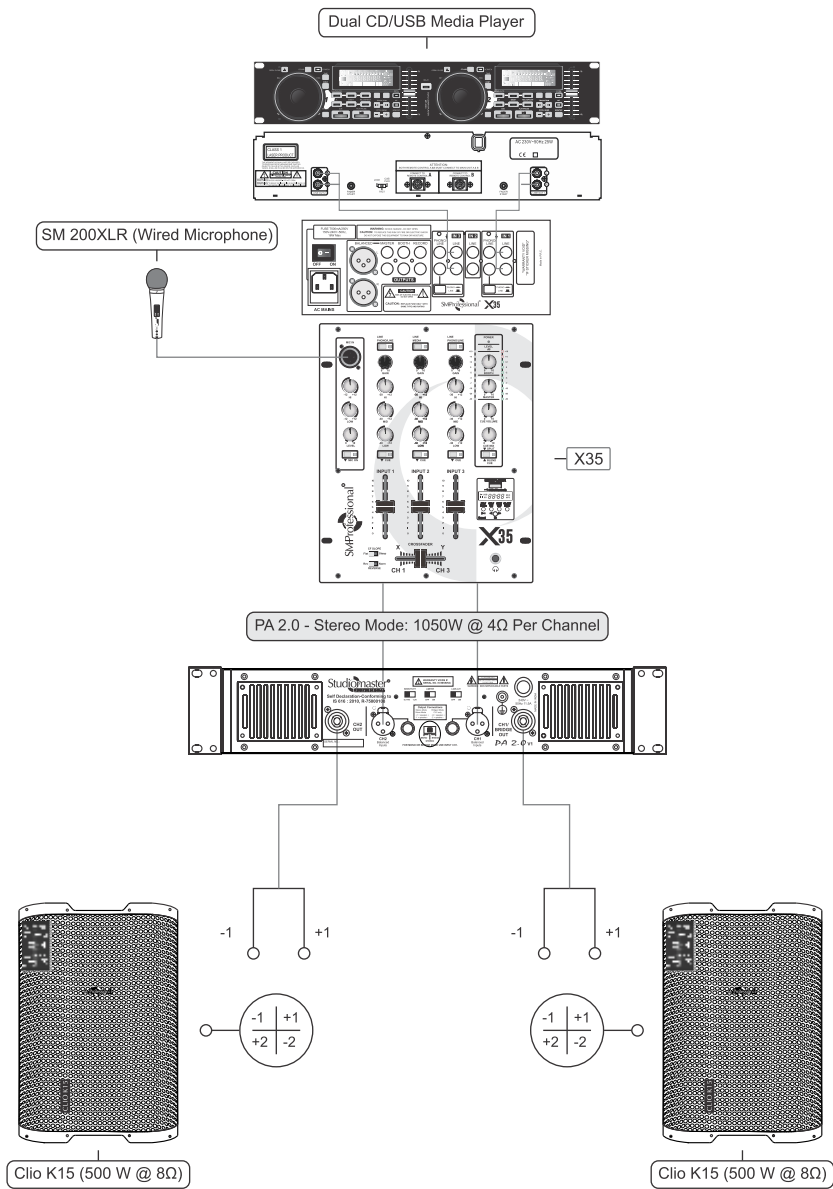
Impedance: 4Ω



Clio K25 → PA 2.0 Amplifier → Single Channel 4Ω

2. Stereo Set-Up (For DJ)

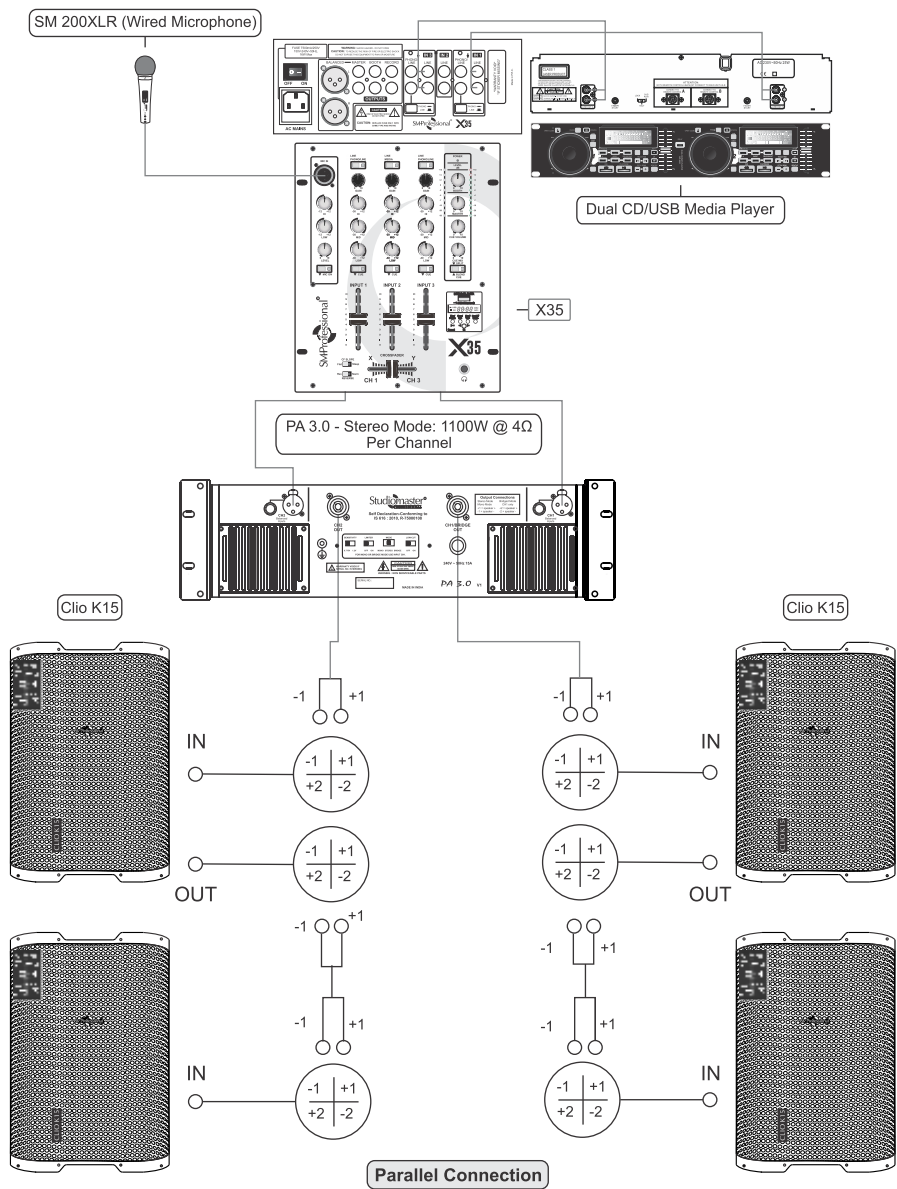
Power: 1000 Watts RMS
Impedance: 8Ω



Clio K08 → PA 1.5 Amplifier → Single Channel 8Ω
Clio K12 → PA 1.5 Amplifier → Single Channel 8Ω

3. Stereo Set-Up (For DJ)

Power: 2000 Watts RMS
Impedance: 4Ω



Clio K08 → PA 1.5 Amplifier → 4Ω
Clio K12 → PA 1.5 Amplifier → 4Ω

Technical Specifications

Models	Clio K08	Clio K12	Clio K15	Clio K25
Frequency Response	50Hz-20KHz	45Hz-20KHz	45Hz-20KHz	45Hz-19KHz
Coverage (H x V)	-	90°× 60°	100°× 60°	90°× 60°
Power Handling (Watts)				
Continuous	250W	350W	500W	800W
Peak	500W	700W	1000W	1600W
Sensitivity 1w/1m	94dB	96dB	97dB	98dB
Peak SPL	121dB	124dB	130dB	132dB
System Impedance	8 Ω	8 Ω	8 Ω	4 Ω
LF Driver				
Driver Size (inches)	1 x 8"	1 x 12"	1 x 15"	2 x 15"
Coil Size (inches)	2"	2.5"	3"	3"
HF Driver				
Coil Size (inches)	1.35"	1.75"	1.75"	1.75"
Exit Size (inches)	-	1"	1"	1"
HF Protection	PTC	PTC	PTC	PTC
Crossover Section				
Crossover Type	2 Way	2 Way	2 Way	3 Way
Enclosure				
Input Connector	2 x Speakon	2 x Speakon	2 x Speakon	2 x Speakon
Dimension (W x D x H)mm	280 x 240 x 435	385 x 345 x 615	430 x 405 x 700	470 x 369 x 1107
Net Weight (Kg)	8	13.5	20	33

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AUDIOPLUS Tel.: +91-22-42869000 / 001 WhatsApp.: +91-8879028079 E info@audioplus-india.com
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