KPS SERIES

DESIGN GUIDE

CONTENTS

CONTENTS 3
DOCUMENT SCOPE 4
KPS SERIES KEY FEATURES 4
KEY CONCEPTS 4
RDSpace CONFIGURATION SOFTWARE 6
WALL MOUNT REMOTE CONTROL 7
AMPLIFIERS MODELS 8
SUBWOOFERS 9
HL 6 & HL 35-S 11
X SERIES 13
COMPACT C SERIES 16
COMPACT M SERIES 18
COMPACT A SERIES 20
P SERIES 22
PREMIUM SPEAKERS 24
MONITOR SPEAKERS 27
EN 54-24 SPEAKERS 29
COLUMN SPEAKERS 31
DANTE™ AUDIO DISTRIBUTION 33

DOCUMENT SCOPE

This document aims at providing an overview of the recommended pairings between RCF Installed Sound speakers' series and KPS amplifiers, ensuring optimal performance, operational reliability, and maximum system consistency.

The correct combination of loudspeakers and amplification is a key element in the design of professional audio systems for permanent installations across commercial, corporate, hospitality, retail, educational, and entertainment environments. Choosing the most suitable amplifier impacts not only the available power, but also the overall sound quality, system dynamics management, and long-term operational continuity.

In addition to the basic information for setting up a KPS system, this guide identifies the most suitable pairings between the various RCF Installed Sound solutions and KPS amplifiers, taking into account the electrical and acoustic characteristics of the systems, the most common operating configurations, and the typical application requirements of modern professional audio installations.

The document is intended as a support tool for consultants, system integrators, installers, and audio professionals who require a fast and reliable reference for system design and specification.

KPS SERIES KEY FEATURES

- 12 models available to meet any installation need.
- Based on 2 different amplifiers modules:
  - **KPS 80X**: 800 W / ch, 2 ohms min load
  - **KPS 16X**: 160 W / ch, 4 ohms min load

  Combined in 2 channels, 4 channels and 8 channels configurations.
- For each configuration, optional DANTE interface (Ultimo 4x4 chip – "D" models) is available.
- User friendly configuration software RDSpace.
- PoE wall mount remote controls.
- API drivers for seamless integration within third parties' ecosystems.

KEY CONCEPTS

SPEAKERS PRESET

The KPS amplifiers integrate dedicated **PRESETS** for RCF loudspeakers, developed to ensure maximum compatibility and to achieve the best possible audio performance in every installation scenario. Each preset has been optimized based on the acoustic and electrical characteristics of RCF loudspeakers, enabling fast and precise system configuration. The DSP processing includes key parameters such as equalization, crossover, limiters, alignment, and protection functions, ensuring reliable operation fully aligned with the system design specifications.

All presets are organized within a complete and structured **LIBRARY**, designed to provide quick and intuitive access to all compatible models. This approach simplifies system selection and configuration, allowing integrators and technicians to immediately identify the most suitable preset for each specific application.

Presets creation and management are carried out through the **RDSpace software**, a platform that enables users to configure, customize, and control the entire audio system in a simple and efficient way.

The use of dedicated presets helps to reduce setup time, simplify commissioning procedures, and immediately deliver a balanced and professional sound response, while maintaining high-quality standards even in the most complex installations.

INTELLIGENT POWER ALLOCATION

The KPS 16X Series delivers class-leading power density, packing up to eight independent 160 W RMS channels into a compact 1 RU chassis. Its intelligent **POWER SHARING** architecture can re-allocate up to 320 W across channels pairs, giving installers the freedom to distribute power asymmetrically across outputs without engaging bridge mode or sacrificing channel count— perfect for optimising headroom when driving RCF loudspeakers.

MODEL	POWER SHARED
KPS 162 / KPS 162D	320 W across CH 1/2
KPS 164 / KPS 164D	320 W across CH 1/2 and 320 W across CH 3/4
KPS 168 / KPS 168D	320 W across CH 1/2, 320 W across CH 3/4, 320 W across CH 5/6, 320 W across CH 7/8

MATCHING TABLE

Together with an overview of the main features of RCF Installed Sound speakers' series, information related the combination of KPS amplifiers and speakers are provided in the so-called **MATCHING TABLE**, where:

- **Lo-Z** and **Bridge** numbers indicate the maximum number of speakers connectable to each amplifier channel in single ended (Lo-Z) or to a channels pair in Bridge mode. It is based on speaker's rated power and the minimum load the amplifier can support.
- **Hi-Z** dot indicates that a preset for Hi-Z mode is provided within the library. The maximum number of speakers connectable is not specified as it depends on the line transformer power selection. And consequently, no colour code is indicated (see below).

MATCHING TABLE								
			KPS 80X			KPS 16X		
MODEL	POWER	IMP	Lo-Z	Bridge	Hi-Z	Lo-Z	Bridge	Hi-Z
WMR 60T	80 W	8 ohm	4		●	2		●

When the Lo-Z or Bridge number is marked **GREEN**, it means the combination matches both speaker's and amplifier's nominal power. When **YELLOW**, it means the nominal power of the speaker exceeds the power provided by the amplifier channel (or channels pair). The combination is anyway supported accepting a reduction of speaker's max SPL value.

MATCHING TABLE						
			KPS 80X		KPS 16X	
MODEL	POWER	IMP	Lo-Z	Bridge	Lo-Z	Bridge
COMPACT C 32	600 W	8 ohm	1	2		

When the Lo-Z number is marked **LIGHT BLUE**, it means the combination between speaker and amplifier is supported by **POWER SHARING**.

MATCHING TABLE							
			KPS 80X		KPS 16X		
MODEL	POWER	IMP	Lo-Z	Bridge	Lo-Z		Bridge
COMPACT M 06	100 W	8 ohm	4		1	2	

RDSpace CONFIGURATION SOFTWARE

RDSpace is an adaptive software for managing KPS amplifiers in professional audio systems. Through a single interface, users can handle every stage of deployment—input routing, zone definition, output optimization, and speaker calibration—with real-time monitoring. The software scales smoothly from small venues to large, multi-zone networks, giving operators quick access to presets or deeper configuration tools as the project demands.

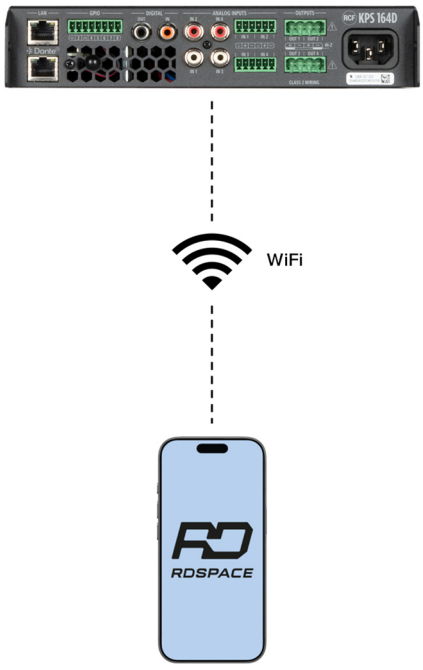
RDSpace allows the management of linear-phase FIR filtering, speaker presets and user presets, flexible routing, parametric EQ, precision delay, and full device control. All configuration and monitoring take place in a single application, with the same unified interface, giving operators complete command of the entire audio system from every screen.

CONNECTION TO RDSpace

RDSpace is both a web based control software and a desktop application, and offers different connection modalities to KPS amplifiers, depending on the specific application need.

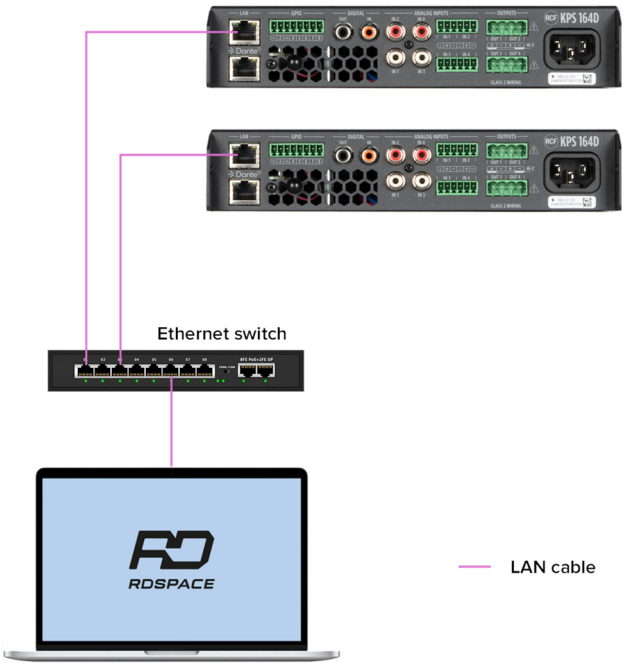
WEB BASED SOFTWARE

- Connection to amplifiers via wireless access point (WAP)
- Suitable also for mobile devices
- Allows the management of a single amplifier



DESKTOP APPLICATION (Windows and MacOS)

- Connection to amplifiers via ethernet switch
- Allows the management of several amplifiers and accessories
- Offers a global view of the system



Refer to KPS amplifiers user manual for more details about RDSpace features and connection procedures.

WALL MOUNT REMOTE CONTROL

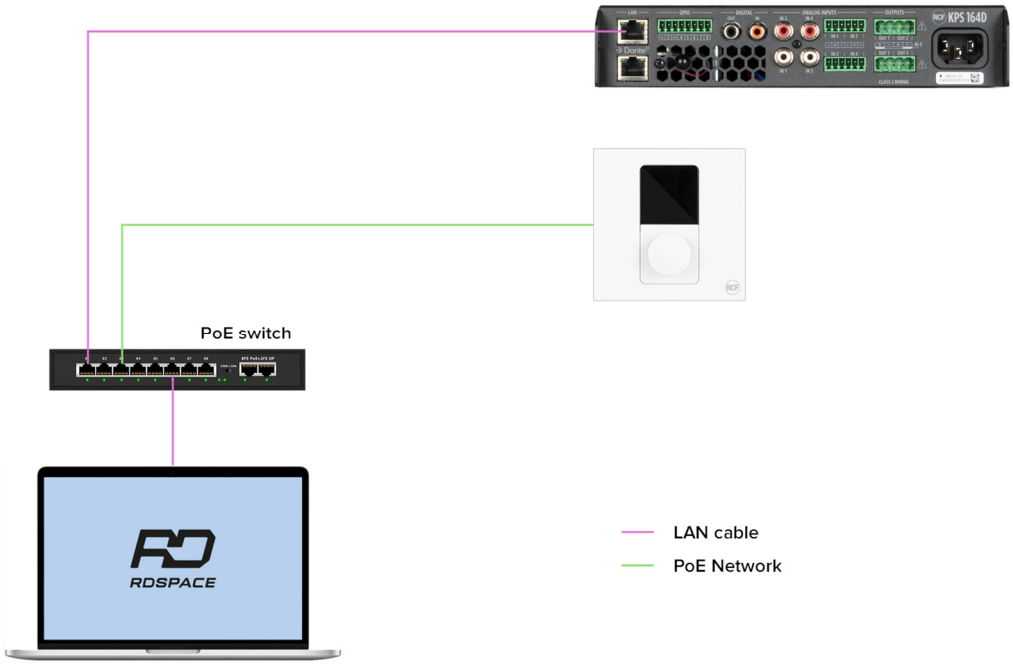
MULTI ZONES WALL CONTROLLER

RC KPS are wall-mounted, networked PoE controllers designed for RCF KPS amplifiers that provide input selection and volume control. Its minimalist design uses high-performance polymer with a touch-friendly matte finish and concealed screws and offers dark and light display colour schemes, brightness settings, and button backlight options, supports instant network pairing and configuration via RDSpace.



REMOTE CONTROLS CONNECTION

RC KPS are PoE Class I devices, so they need a suitable switch for a correct functioning.



When connected in the same network with KPS amplifiers, they can be paired and configured using RDSpace software.

Up to 8 controllers can be paired with the same amplifier.

Refer to RC KPS user manual for more details about features and connection procedures.

AMPLIFIERS MODELS

KPS 80X



KPS 808(D) - KPS 804(D) - KPS 802(D)

		KPS 808D - KPS 808	KPS 804D - KPS 804	KPS 802D - KPS 802
Amplifier Class		D		
Output Power (Lo-Z)	**@ 2 ohm**	8 x 800 W	4 x 800 W	2 x 800 W
	@ 4 ohm	8 x 800 W	4 x 800 W	2 x 800 W
	@ 8 ohm	8 x 400 W	4 x 400 W	2 x 400 W
Output Power (Bridge)	**@ 4 ohm**	4 x 1600 W	2 x 1600 W	1 x 1600 W
	@ 8 ohm	4 x 1600 W	2 x 1600 W	1 x 1600 W
Output Power (HI-Z)	**@ 100 V**	4 x 1600 W	2 x 1600 W	1 x 1600 W
	@ 70 V	4 x 1200 W	2 x 1200 W	1 x 1200 W
Mic+Line inputs		8	4	4
S/PDIF digital IN/OUT		1		
DANTE digital inputs		4 (“D” models only)		
Operating voltage		90-240 V~ 50/60Hz		
Power consumption		1400 W	700 W	350 W
Rack mounting		19", 2U		

KPS 16X



KPS 168(D)



KPS 164(D) - KPS 162(D)

		KPS 168D - KPS 168	KPS 164D - KPS 164	KPS 162D - KPS 162
Amplifier Class		D		
Output Power (Lo-Z)	**@ 4 ohm**	8 x 160 W	4 x 160 W	2 x 160 W
	@ 8 ohm	8 x 160 W	4 x 160 W	2 x 160 W
Output Power (Bridge)	**@ 8 ohm**	4 x 320 W	2 x 320 W	1 x 320 W
Output Power (HI-Z)	**@ 100 V**	4 x 320 W	2 x 320 W	1 x 320 W
	@ 70 V	4 x 320 W	2 x 320 W	1 x 320 W
Mic+Line inputs		8	4	4
S/PDIF digital IN/OUT		1		
DANTE digital inputs		4 (“D” models only)		
Operating voltage		90-240 V~ 50/60Hz		
Power consumption		300 W	150 W	75 W
Rack mounting		19", 1U	1/2 19", 1U, Optional rack mounting accessory required	

Refer to KPS amplifiers user manual for complete technical specifications.

SUBWOOFERS

RCF subwoofers play a key role in fixed installations, as they are specifically designed to reproduce low frequencies with greater depth and accuracy. In environments such as conference rooms, theaters, clubs, showrooms, and commercial spaces, they enhance the listening experience by delivering a more immersive and balanced sound for music, speech, and sound effects. When properly integrated into an audio system, subwoofers reduce the workload of the main speakers, ensuring cleaner overall performance and more even sound distribution throughout the venue.






SPECIFICATIONS	S 19 / S 19 WP	S 8018 II	S 8015 II	S 8015LP
Frequency Response (-10dB)	30 Hz - 200 Hz	30 Hz - 200 Hz	35 Hz - 200 Hz	43 Hz - 250 Hz
Max SPL @ 1m	139 dB	137 dB	133 dB	135 dB
Amplification	Full Range	Full Range	Full Range	Full Range
Nominal Impedance	8 ohm	8 ohm	8 ohm	8 ohm
Power Handling	1500 W	1500 W	1500 W	800 W
Woofer	1 x 19” neo, 4.0” v.c.	1 x 18” neo, 4.0” v.c.	1 x 15” neo, 4.0” v.c.	1 x 15”, 4.0” v.c.
Input / output connectors	Speakon® NL4	Speakon® NL4	Speakon® NL4	Speakon® NL4





SPECIFICATIONS	S 15	S 12	S 10
Frequency Response (-10dB)	35 Hz - 200 Hz	40 Hz - 200 Hz	45 Hz - 200 Hz
Max SPL @ 1m	126 dB	125 dB	124 dB
Amplification	Full Range	Full Range	Full Range
Nominal Impedance	8 ohm	8 ohm	8 ohm
Power Handling	500 W	400 W	400 W
Woofer	1 x 15”, 3.0” v.c.	1 x 12”, 2.5” v.c.	1 x 10”, 2.5” v.c.
Input / output connectors	Euroblock	Euroblock	Euroblock

In order to provide the best combination of subwoofers and tops, different LP filter values are provided within presets library, as defined in the following table.

MODEL	LP FILTER VALUES
S 19 / S 19 WP	60 Hz – 80 Hz – 100 Hz
S 8018 II	60 Hz – 80 Hz – 100 Hz
S 8015 II	60 Hz – 80 Hz – 100 Hz
S 8015LP	60 Hz – 80 Hz – 100 Hz
S 15	60 Hz – 80 Hz – 100 Hz – 120 Hz
S 12	80 Hz – 100 Hz – 120 Hz
S 10	80 Hz – 100 Hz – 120 Hz

MATCHING TABLE						
			KPS 80X		KPS 16X	
MODEL	POWER	IMP	Lo-Z	Bridge	Lo-Z	Bridge
S 19 / S 19 WP	1500 W	8 ohm		1		
S 8018 II	1500 W	8 ohm		1		
S 8015 II	1500 W	8 ohm		1		
S 8015LP	800 W	8 ohm		2		
S 15	500 W	8 ohm	2	2		1
S 12	400 W	8 ohm	2	2		1
S 10	400 W	8 ohm	2	2		1

Some other models will be described in the following as they are parts of specific systems and shall be considered in combination with specific tops.

HL 6 & HL 35-S

COMPACT LINE ARRAY SYSTEM

Combined with robust rigging and a wide range of accessories, HL 6 and HL 35-S are perfect for installation in music venues, corporate spaces, and sports venues.

TYPICAL APPLICATIONS

Corporate – Houses of worship – Music venues – Sport facilities.



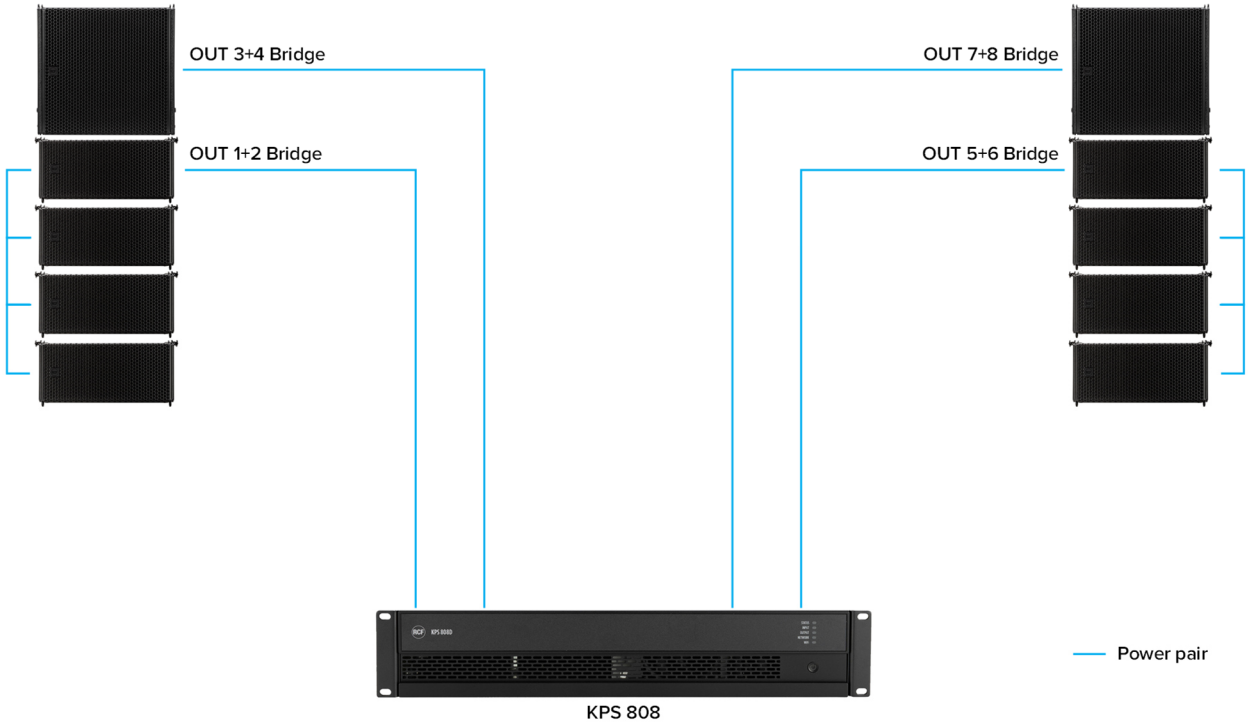


SPECIFICATIONS	HL 6	HL 35-S (SUB)
Frequency Response (-10dB)	65 Hz - 20000 Hz	40 Hz - 140 Hz
Max SPL @ 1m	131 dB	134 dB
Amplification	Full Range	Full Range
Nominal Impedance	16 ohm	8 ohm
Power Handling	250 W	900 W
Compression Driver	1 x 1.0” neo, 1.75” v.c.	-
Woofer	2 x 6.0” neo, 2.0” v.c.	1 x 15” neo, 4.0” v.c.
Input / output connectors	Speakon	Speakon

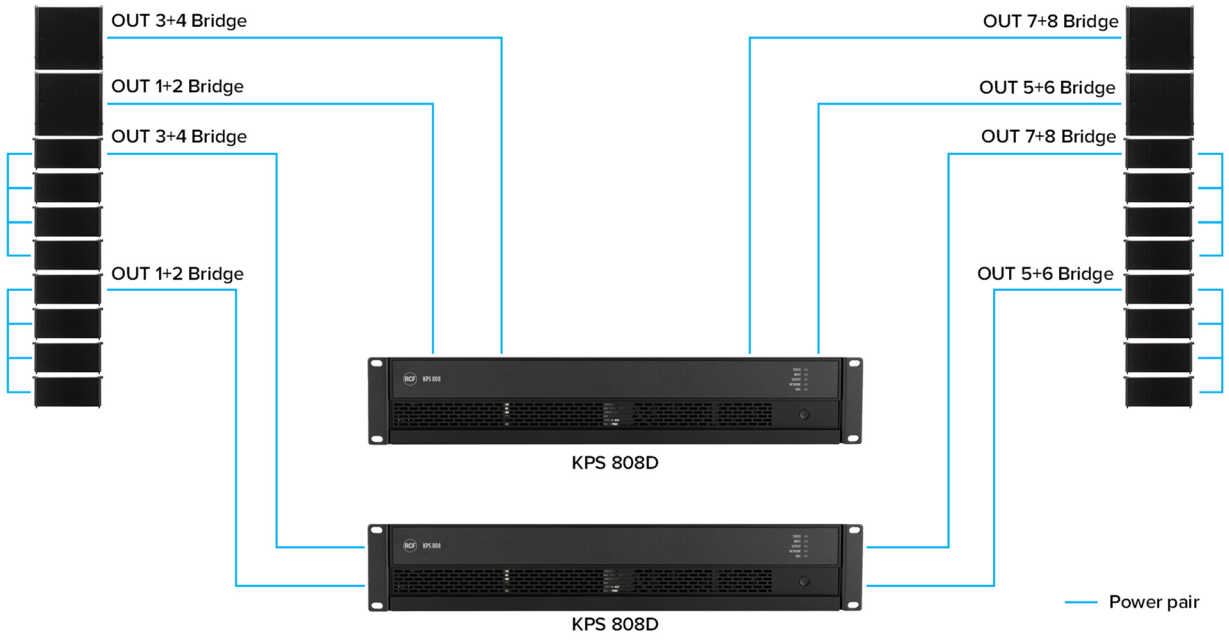
MATCHING TABLE							
			KPS 80X			KPS 16X	
MODEL	POWER	IMP	Lo-Z	Bridge		Lo-Z	Bridge
HL 6	250 W	16 ohm		4			
HL 35-S	900 W	8 ohm		1	2		

DESIGN EXAMPLES

CASE STUDY	House of worship	**APPLICATION**	Voice / music
ZONES	1	**SPEAKERS' IMPEDANCE**	Low Impedance
INPUT	Analog (Mic / Audio source)	**RDSpace CONFIG**	WiFi



CASE STUDY	Multifunctional stage	**APPLICATION**	Voice / music / live music
ZONES	1	**SPEAKERS' IMPEDANCE**	Low Impedance
INPUT	Analog or Digital (Mic / Audio source)	**RDSpace CONFIG**	WiFi



Depending on the specific application, system's inputs can be analog, SPDIF or DANTE

X SERIES

TWO-WAY WEATHERPROOF SPEAKERS High-power speakers designed for premium installations, offering exceptional intelligibility and durability in an IP55, UV-protected, and corrosion-resistant polyurethane enclosure

TYPICAL APPLICATIONS Sport facilities – Theme parks – Auditoriums – Race circuits.





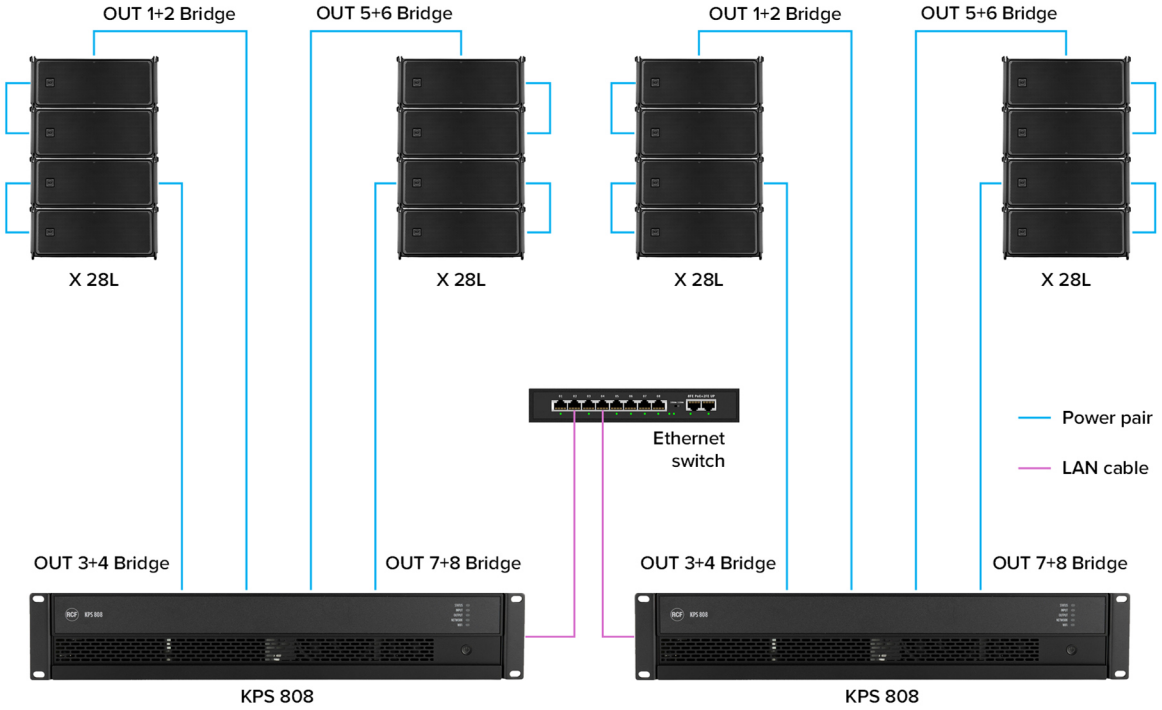


SPECIFICATIONS	X 40	X 28L	X 08
Frequency Response (-10dB)	50 Hz - 20000 Hz	50 Hz - 20000 Hz	70 Hz - 20000 Hz
Max SPL @ 1m	142 dB	140 dB	128 dB
Amplification	Full Range	Full Range	Full Range
Nominal Impedance	8 ohm	8 ohm	8 ohm
Power Handling	1200 W	800 W	400 W
Compression Driver	1 x 1.4” neo, 4.0” v.c.	1 x 1.4” neo, 3.0” v.c.	1 x 1.0” neo, 1.75” v.c.
Woofer	2 x 10” neo, 3.0” v.c.	2 x 8” neo, 2.5” v.c.	8" neo, 2.5" v.c.
Input / output connectors	Screw Terminals	Screw Terminals	Screw Terminals

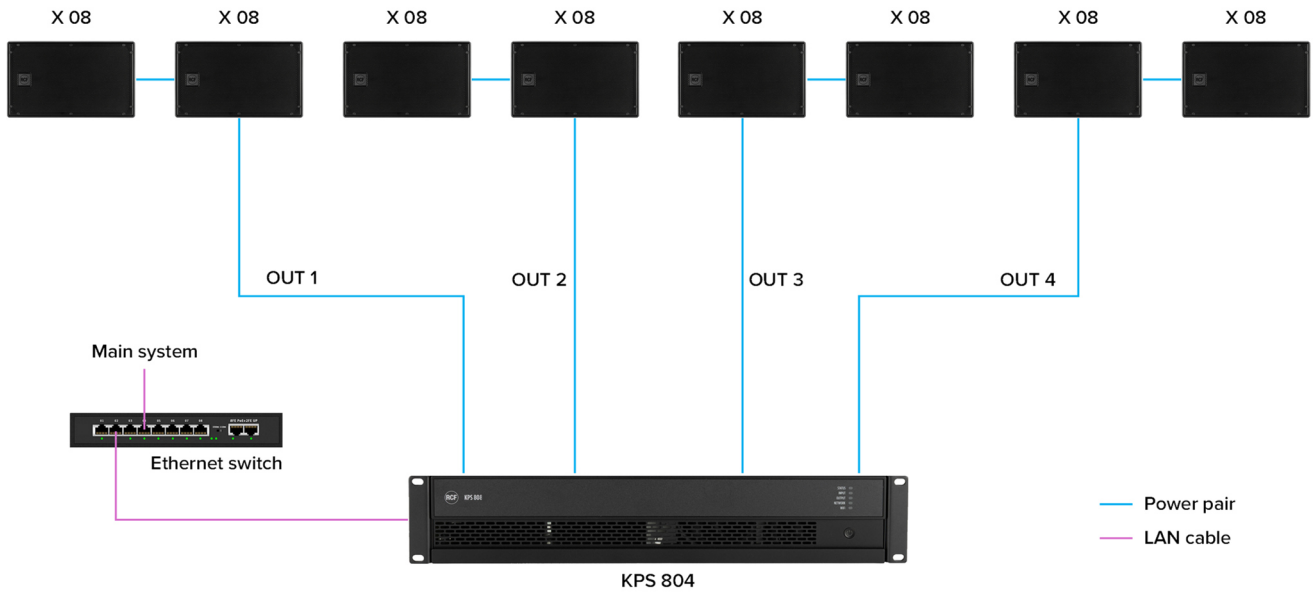
MATCHING TABLE						
			KPS 80X		KPS 16X	
MODEL	POWER	IMP	Lo-Z	Bridge	Lo-Z	Bridge
X 40	1200 W	8 ohm		1		
X 28L	800 W	8 ohm		2		
X 08	400 W	8 ohm	2	2		

DESIGN EXAMPLES

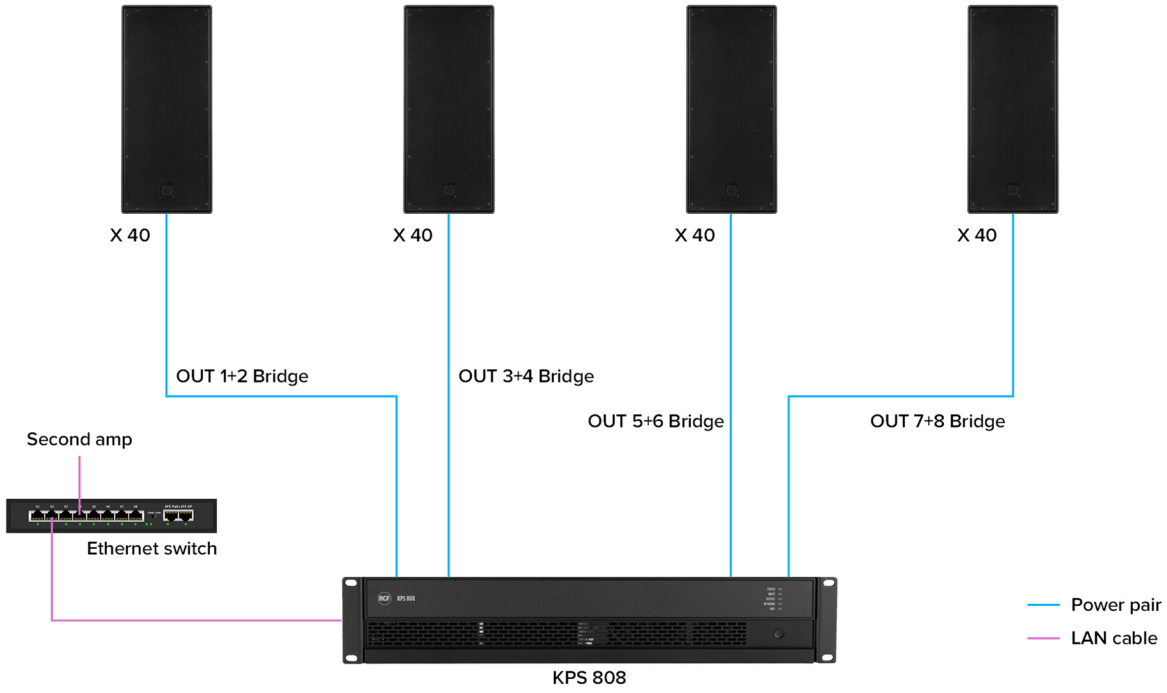
CASE STUDY	Small stadium tribune	**APPLICATION**	Voice announcements / entertainment
ZONES	1	**SPEAKERS' IMPEDANCE**	Low Impedance
INPUT	Analog (Mic / Audio source)	**RDSpace CONFIG**	LAN



CASE STUDY	Under balcony reinforcement	**APPLICATION**	Voice announcements / entertainment
ZONES	1	**SPEAKERS' IMPEDANCE**	Low Impedance
INPUT	Analog (Mic / Audio source)	**RDSpace CONFIG**	LAN



CASE STUDY	Outdoor theme park	**APPLICATION**	Voice announcements / entertainment
ZONES	1	**SPEAKERS' IMPEDANCE**	Low Impedance
INPUT	Analog (Mic / Audio source)	**RDSpace CONFIG**	LAN



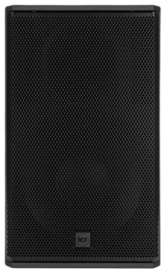
COMPACT C SERIES

TWO-WAY PROFESSIONAL SPEAKERS

Elegant design aesthetics, RCF reliability and signature sound, delivering a pleasing audio experience in any application, from sports halls to nightclubs, corporate spaces, and performance venues. For enhanced weather resistance, the WP model features an acoustically transparent, water-repellent fabric discreetly embedded within the grille assembly and IP67 Amphenol Ecomate power connectors.

TYPICAL APPLICATIONS

Clubs – Hospitality venues – High-power install audio.



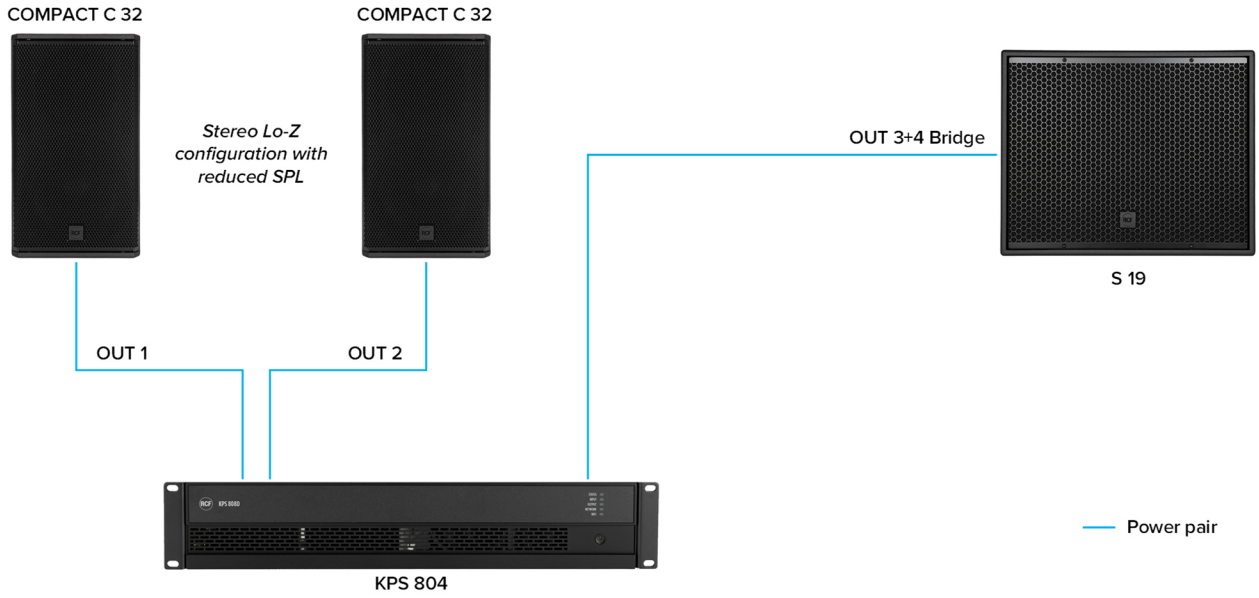


SPECIFICATIONS	COMPACT C 45 / COMPACT C 45 WP	COMPACT C 32 / COMPACT C 32 WP
Frequency Response (-10dB)	48 Hz - 20000 Hz	54 Hz - 20000 Hz
Max SPL @ 1m	138 dB	137 dB
Amplification	Full Range	Full Range
Nominal Impedance	8 ohm	8 ohm
Power Handling	700 W	600 W
Compression Driver	1 x 1.4” neo, 4.0” v.c.	1 x 1.4” neo, 3.0” v.c.
Woofer	1 x 15” neo, 4.0” v.c.	1 x 12” neo, 3.5” v.c.
Input / output connectors	Speakon / Amphenol eco/mat IP 67	Speakon / Amphenol eco/mat IP 67

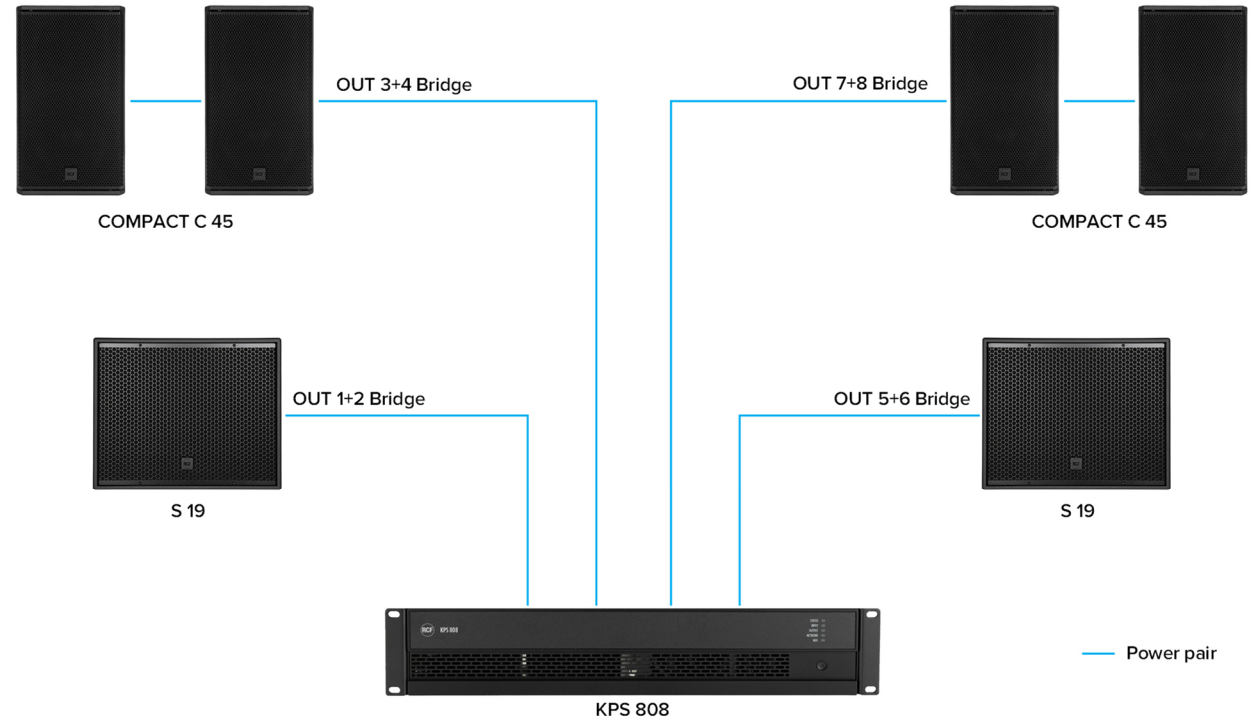
MATCHING TABLE						
			KPS 80X		KPS 16X	
MODEL	POWER	IMP	Lo-Z	Bridge	Lo-Z	Bridge
COMPACT C 45	700 W	8 ohm	1	2		
COMPACT C 32	600 W	8 ohm	1	2		

DESIGN EXAMPLES

CASE STUDY	Lounge bar	**APPLICATION**	Terrace background music
ZONES	1	**SPEAKERS' IMPEDANCE**	Low Impedance
INPUT	Analog (Audio source)	**RDSpace CONFIG**	WiFi



CASE STUDY	Club	**APPLICATION**	Live stage
ZONES	1	**SPEAKERS' IMPEDANCE**	Low Impedance
INPUT	Analog (Mixer)	**RDSpace CONFIG**	WiFi



COMPACT M SERIES

TWO-WAY PROFESSIONAL SPEAKERS

Multi-purpose two-way full-range passive speaker series, suitable for a wide range of applications. Its sound quality and compactness combine with an elegant design and accurate finishing to make the COMPACT M series the perfect choice for any environment. Excellent acoustic performance for both background and foreground music.

TYPICAL APPLICATIONS

Shops – restaurants – sport facilities – hospitality venues.

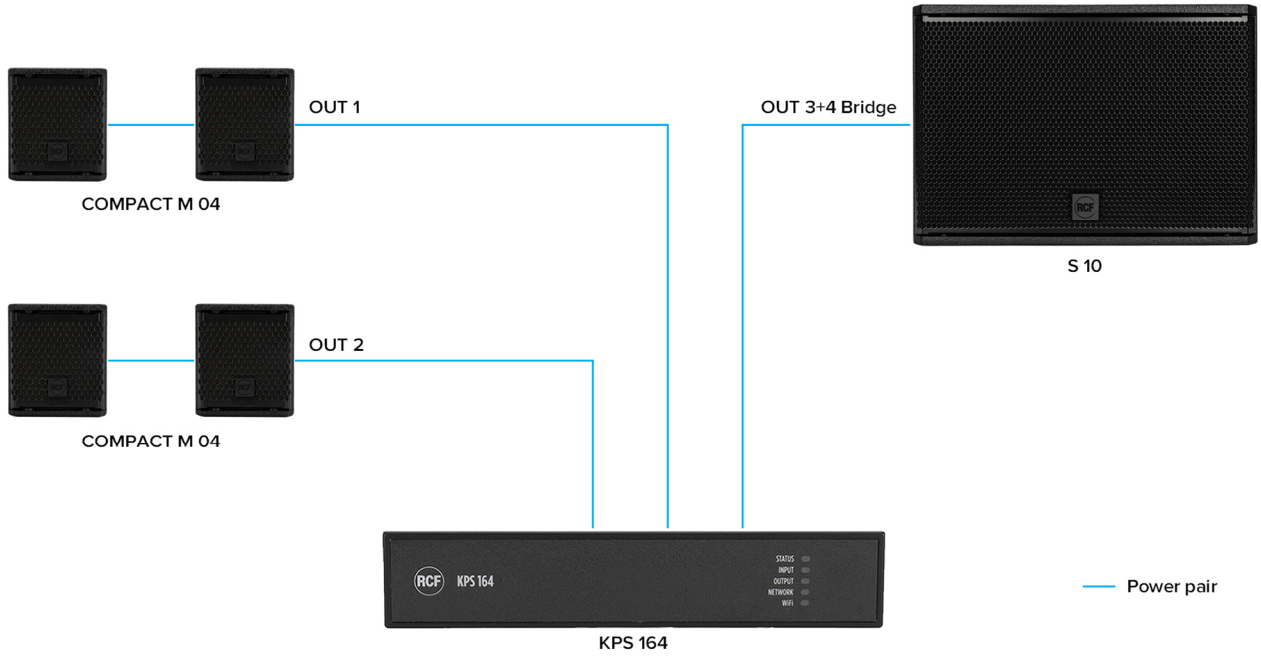


SPECIFICATIONS	COMPACT M 12	COMPACT M 10	COMPACT M 08	COMPACT M6	COMPACT M 05	COMPACT M 04
Frequency Response (-10dB)	55 Hz - 20000 Hz	60 Hz - 20000 Hz	60 Hz - 20000 Hz	55 Hz - 20000 Hz	55 Hz - 20000 Hz	55 Hz - 20000 Hz
Max SPL @ 1m	129 dB	128 dB	124 dB	129 dB	129 dB	129 dB
Amplification	Full Range	Full Range	Full Range	Full Range	Full Range	Full Range
Nominal Impedance	8 ohm	8 ohm	8 ohm	8 ohm	8 ohm	8 ohm
Power Handling	300 W	300 W	200 W	300 W	300 W	300 W
Compression Driver	1 x 1.0”, 1.4” v.c.	1 x 1.0”, 1.4” v.c.	1 x 1.0”, 1.4” v.c.			
Dome Tweeter				1 x 1.3” neo, 1.0” v.c.	1 x 1.3” neo, 1.0” v.c.	1 x 1.0” neo, 1.0” v.c.
Woofer	1 x 12”, 2.5” v.c.	1 x 10”, 2.5” v.c.	1 x 8.0”, 1.7” v.c.	1 x 6.0”, 1.5” v.c.	1 x 5.0”, 1.2” v.c.	1 x 4.0”, 1.0” v.c.
Input / output connectors	Euroblock	Euroblock	Euroblock	Euroblock	Euroblock	Euroblock

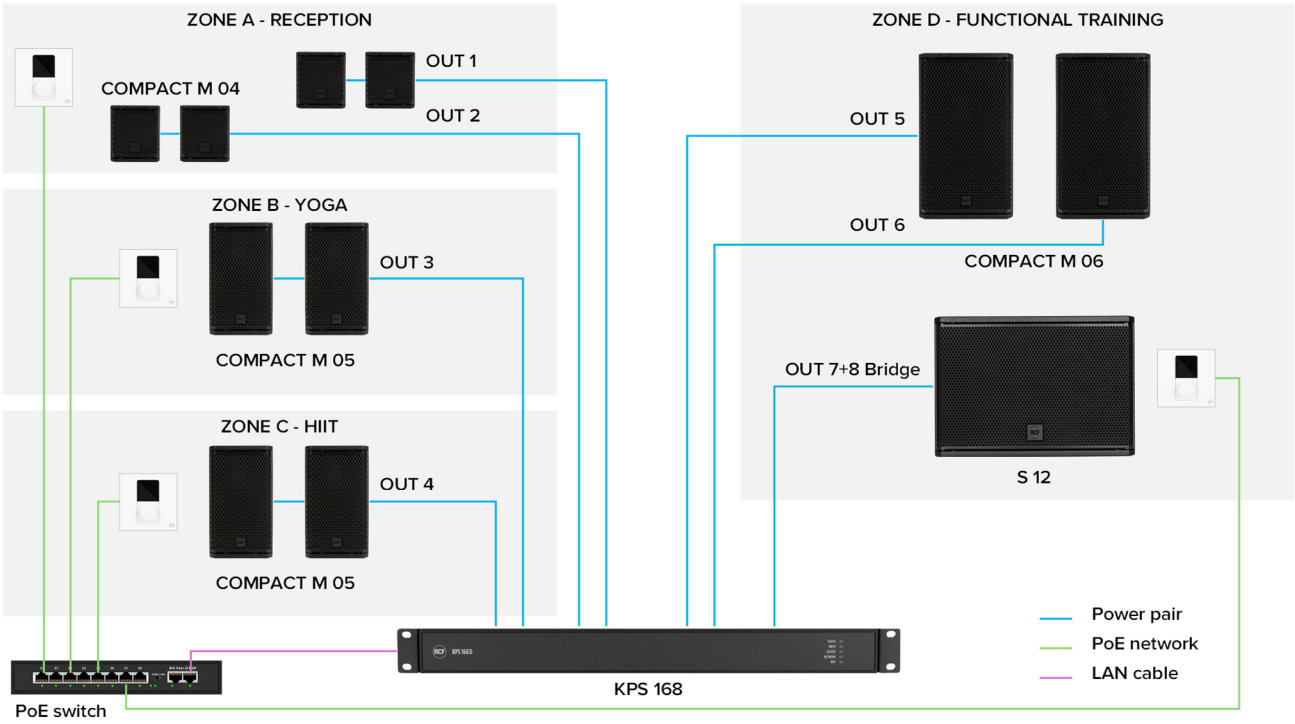
MATCHING TABLE							
			KPS 80X		KPS 16X		
MODEL	POWER	IMP	Lo-Z	Bridge	Lo-Z		Bridge
COMPACT M 12	300 W	8 ohm	2		1		1
COMPACT M 10	300 W	8 ohm	2		1		1
COMPACT M 08	200 W	8 ohm	4		1		1
COMPACT M 06	100 W	8 ohm	4		1	2	
COMPACT M 05	80 W	8 ohm	4		2		
COMPACT M 04	60 W	16 ohm	8		2	4	

DESIGN EXAMPLES

CASE STUDY	Sneakers Shop	APPLICATION	Background music with subwoofer
ZONES	1	SPEAKERS' IMPEDANCE	Low Impedance
INPUT	Analog (Audio source)	RDSpace CONFIG	WiFi



CASE STUDY	Metropolitan Gym	APPLICATION	Voice / Music
ZONES	4	SPEAKERS' IMPEDANCE	Low Impedance
INPUT	Analog (Mic / Audio source)	RDSpace CONFIG	LAN



COMPACT A SERIES

MULTIPURPOSE SOUND

Elegant design aesthetics and RCF signature sound quality that delivers a supreme audio experience in any application, from restaurants and retail shops to clubs, corporate spaces and venues. Available in three sizes - starting from 10-inch to 15-inch woofers with excellent acoustic performance for both background and foreground music.

TYPICAL APPLICATIONS

Shops – Restaurants – Clubs – Corporate spaces.





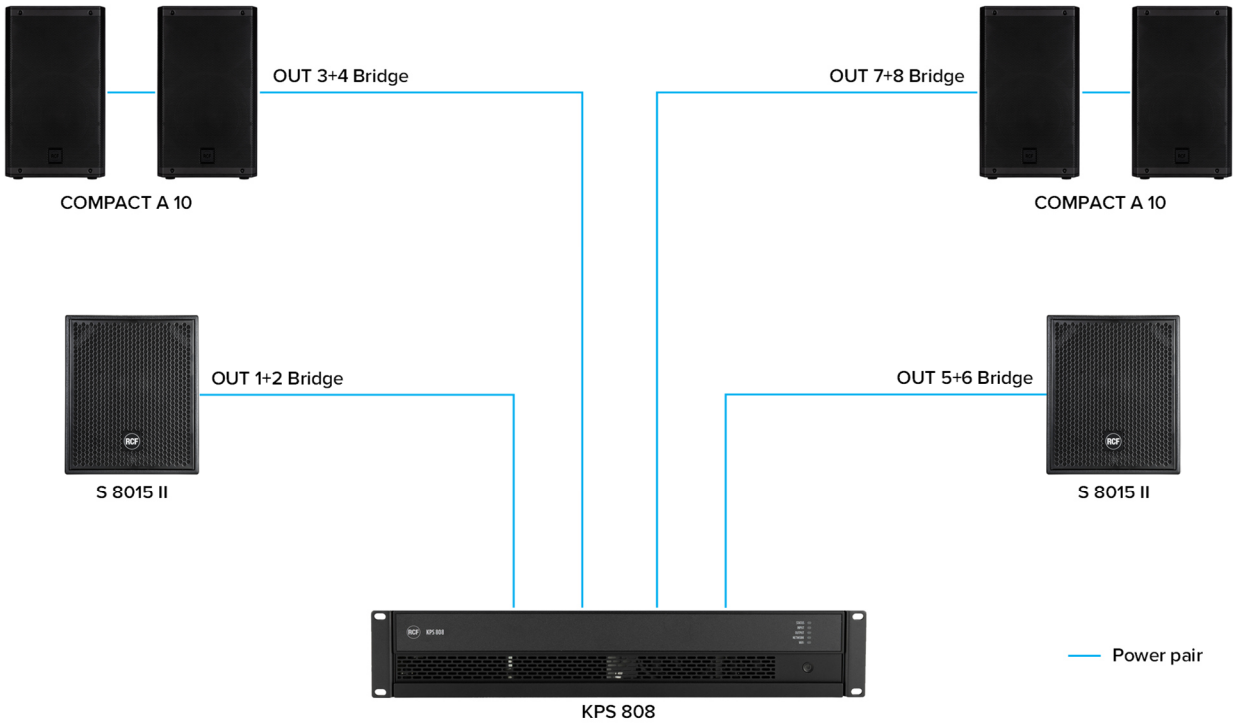


SPECIFICATIONS	COMPACT A 15	COMPACT A 12	COMPACT A 10
Frequency Response (-10dB)	50 Hz - 20000 Hz	55 Hz - 20000 Hz	60 Hz - 20000 Hz
Max SPL @ 1m	130 dB	129 dB	128 dB
Amplification	Full Range	Full Range	Full Range
Nominal Impedance	8 ohm	8 ohm	8 ohm
Power Handling	450 W	400 W	350 W
Compression Driver	1 x 1.0”, 1.75” v.c.	1 x 1.0”, 1.75” v.c.	1 x 1.0”, 1.75” v.c.
Woofer	1 x 15”, 3.0” v.c.	1 x 12”, 2.5” v.c.	1 x 10”, 2.5” v.c.
Input / output connectors	Speakon	Speakon	Speakon

MATCHING TABLE						
			KPS 80X		KPS 16X	
MODEL	POWER	IMP	Lo-Z	Bridge	Lo-Z	Bridge
COMPACT A 15	450 W	8 ohm	2	2		
COMPACT A 12	400 W	8 ohm	2	2		
COMPACT A 10	350 W	8 ohm	2	2		

DESIGN EXAMPLES

CASE STUDY	Music pub	**APPLICATION**	Background / foreground music
ZONES	1	**SPEAKERS' IMPEDANCE**	Low Impedance
INPUT	Analog (Audio source)	**RDSpace CONFIG**	WiFi



P SERIES

VERSATILITY FOR ANY APPLICATION

Focusing on outdoor and indoor large spaces, P Series speakers are capable of true, concert-level high performance in a compact enclosure, installed individually or coupled in array configurations. Featuring coaxial, line source, and subwoofers speakers, all modules embed RCF Precision transducers, horns, and waveguides for optimal coverage and clarity. The cabinet's design with coaxial or coplanar transducers and horns produces identical left and right coverage, capable of delivering serious sonic horsepower within the stadium while maintaining intelligibility and even coverage at every seat

TYPICAL APPLICATIONS

Stadia – Sports Hubs – Restaurants – Clubs.

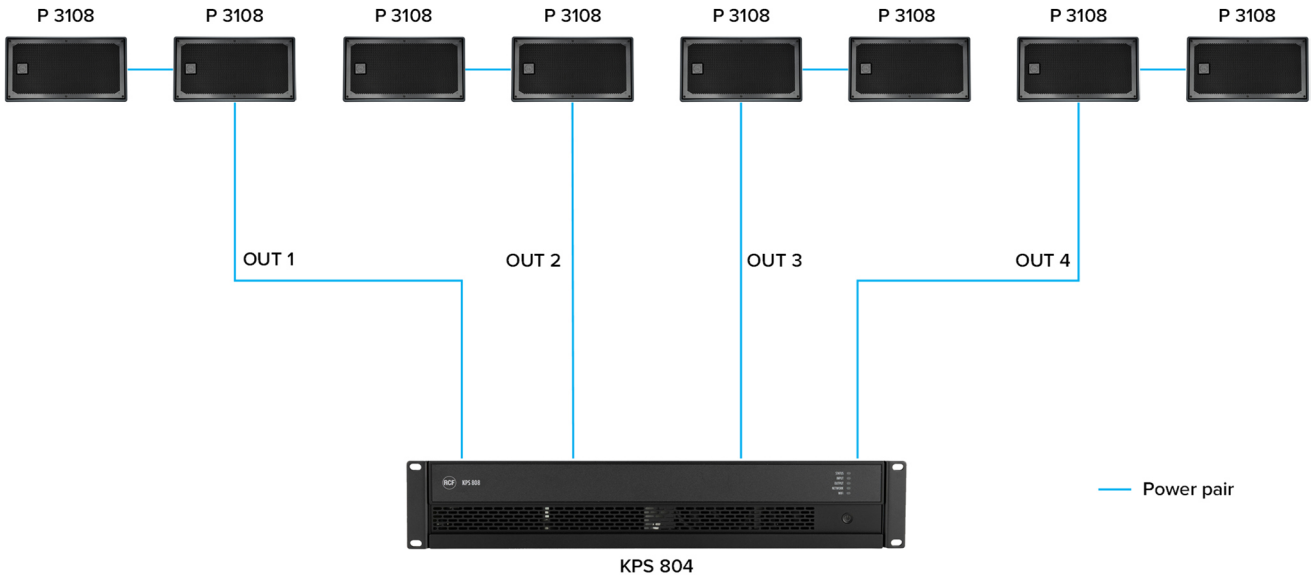


SPECIFICATIONS	P 6215	P 3115T	P 2110T	P 4228	P 3108	P 1108T	P 8015S
Frequency Response (-10dB)	75 Hz - 20000 Hz	75 Hz - 20000 Hz	95 Hz - 20000 Hz	80 Hz - 20000 Hz	80 Hz - 20000 Hz	80 Hz - 20000 Hz	50 Hz - 200 Hz
Max SPL @ 1m	134 dB	129 dB	124 dB	129 dB	125 dB	121 dB	132 dB
Amplification	Full Range	Full Range	Full Range	Full Range	Full Range	Full Range	Full Range
Nominal Impedance	8 ohm	16 ohm	16 ohm	8 ohm	8 ohm	16 ohm	8 ohm
Power Handling	600 W	300 W	200 W	400 W	300 W	100 W	800 W
Compression Driver	1.3" neo, 2.5" v.c	1.0", 1.5" v.c	1.0", 1.5" v.c	1 x 1.4" neo, 2.5" v.c	1 x 1.0", 1.5" v.c	1 x 1.0", 1.4" v.c	
Woofer	Coaxial 15" neo, 3.0" v.c	Coaxial 15", 2.5" v.c	Coaxial 10", 2.5" v.c	2 x 8", 2.5" v.c	1 x 8", 2.5" v.c	1 x 8", 1.5" v.c	15" neo, 4.0" v.c
Input / output connectors	Neoprene Cable	Neoprene Cable	Neoprene Cable	Amphenol eco/mat IP 67	Amphenol eco/mat IP 67	Amphenol eco/mat IP 67	Neoprene Cable

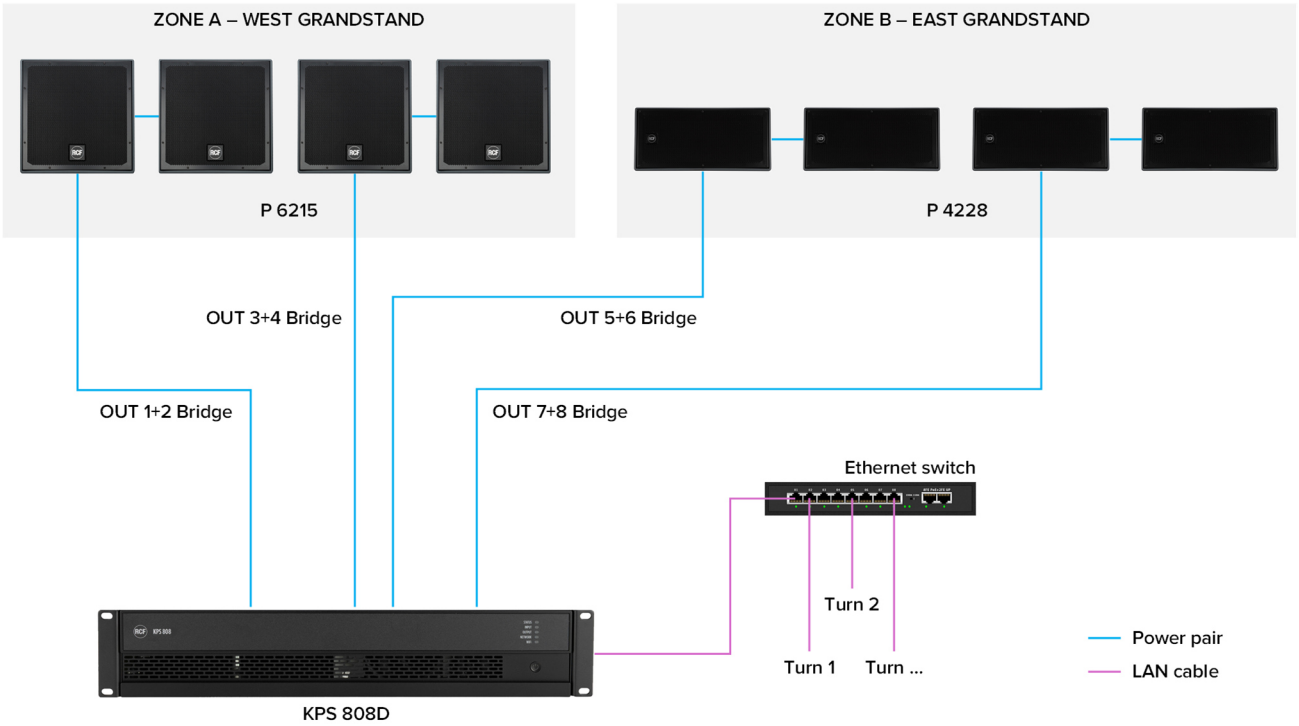
MATCHING TABLE								
			KPS 80X			KPS 16X		
MODEL	POWER	IMP	Lo-Z	Bridge	Hi-Z	Lo-Z	Bridge	Hi-Z
P 6215	600 W	8 ohm	1	2				
P 3115T	300 W	16 ohm	2	4	●			●
P 2110T	200 W	16 ohm	4	4	●			●
P 4228	400 W	8 ohm	2	2				
P 3108	300 W	8 ohm	2	2				
P 1108T	100 W	16 ohm	8		●	2	2	●
P 8015S	800 W	8 ohm		2				

DESIGN EXAMPLES

CASE STUDY	Sport center	**APPLICATION**	Background music / announcements
ZONES	1	**SPEAKERS' IMPEDANCE**	Low Impedance
INPUT	Analog (Audio source)	**RDSpace CONFIG**	WiFi



CASE STUDY	Race circuit	**APPLICATION**	Background music / announcements
ZONES	2	**SPEAKERS' IMPEDANCE**	Low Impedance
INPUT	Analog (Mic / Audio source)	**RDSpace CONFIG**	LAN



PREMIUM SPEAKERS

HIGH QUALITY MONITOR SPEAKERS

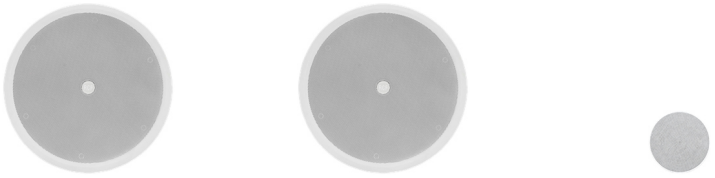
With multipurpose two-way in-ceiling, wall-mounted and pendant speakers, RCF premium sound is suitable for a wider range of applications. Thanks to their elegant, discreet design and accurate details, these speakers pair any building's aesthetic. The high-quality transducers guarantee a faithful and precise music reproduction of the entire frequency band and provide impressive sound pressure levels inside a compact enclosure.

TYPICAL APPLICATIONS

Small to large shops – Meeting rooms – Bars – Restaurants – Fitness centers.

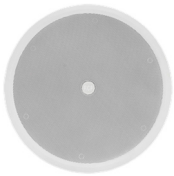


SPECIFICATIONS	WMR 60T	WMR 50T	MMR 30T
Frequency Response (-10dB)	70 Hz - 20000 Hz	80 Hz - 20000 Hz	200 Hz - 20000 Hz
Max SPL @ 1m	114 dB	110 dB	101 dB
Amplification	Full Range	Full Range	Full Range
Nominal Impedance	8 ohm	8 ohm	16 ohm
Power Handling	80 W	40 W	10 W
Line Transformer	70/100 V	70/100 V	100 V
Dome Tweeter	1 x 1.0" neo, 1.0" v.c.	1 x 1.0" neo, 1.0" v.c.	
Woofer	1 x 6.5", 1.2" v.c.	1 x 5.0", 1.0" v.c.	
Full range			1 x 3.0", 1.0" v.c.
Input / output connectors	Euroblock	Euroblock	Euroblock



SPECIFICATIONS	CMR 60T	CMR 50T	CMR 30
Frequency Response (-10dB)	70 Hz - 20000 Hz	80 Hz - 20000 Hz	70 Hz - 20000 Hz
Max SPL @ 1m	114 dB	110 dB	104 dB
Amplification	Full Range	Full Range	Full Range
Nominal Impedance	8 ohm	8 ohm	16 ohm
Power Handling	80 W	40 W	15 W
Line Transformer	70/100 V	70/100 V	
Dome Tweeter	1 x 1.0" neo, 1.0" v.c.	1 x 1.0" neo, 1.0" v.c.	
Woofer	1 x 6.5", 1.2" v.c.	1 x 5.0", 1.0" v.c.	
Full range			1 x 2.5", 1.0" v.c.
Input / output connectors	Euroblock	Euroblock	Push Type Terminals



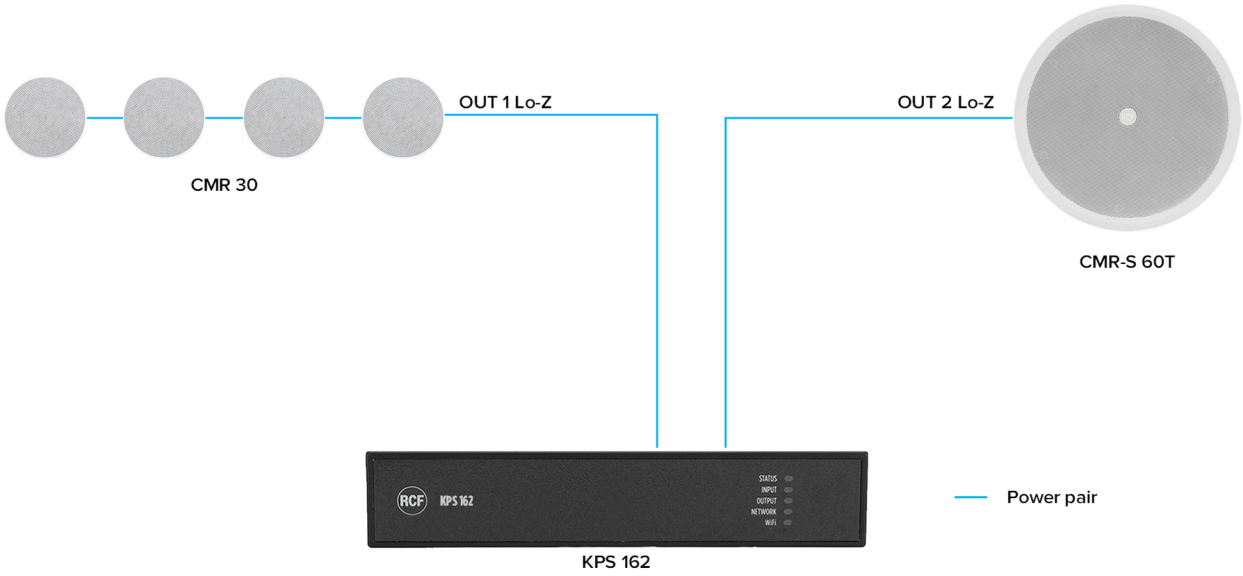


SPECIFICATIONS	PMR 60T	CMR-S 60T (CEILING SUBWOOFER)
Frequency Response (-10dB)	70 Hz - 20000 Hz	45 Hz - 250 Hz
Max SPL @ 1m	114 dB	109 dB
Amplification	Full Range	Full Range
Nominal Impedance	8 ohm	8 ohm
Power Handling	80 W	80 W
Line Transformer	70/100 V	70/100 V
Dome Tweeter	1 x 1.0” neo, 1.0” v.c.	
Woofer	1 x 6.5”, 1.2” v.c.	1 x 6.5”, 1.5” v.c.
Input / output connectors	Euroblock	Euroblock

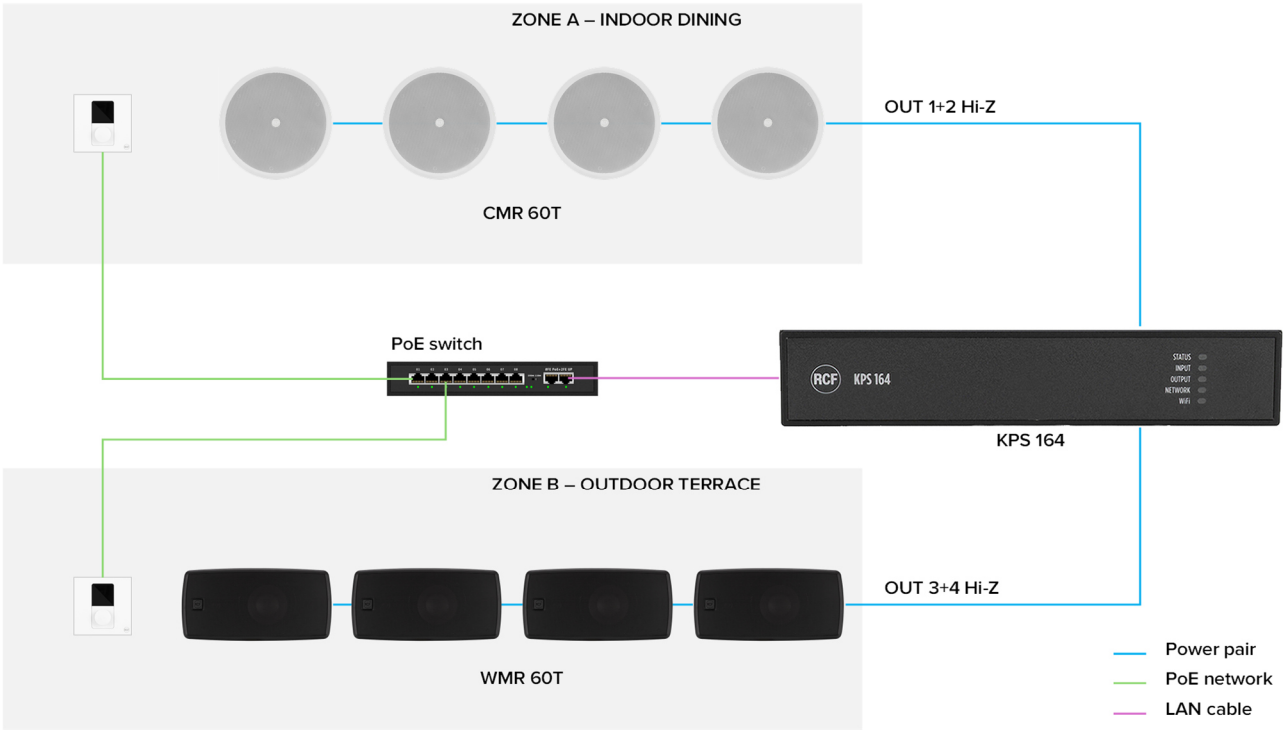
MATCHING TABLE								
			KPS 80X			KPS 16X		
MODEL	POWER	IMP	Lo-Z	Bridge	Hi-Z	Lo-Z	Bridge	Hi-Z
WMR 60T	80 W	8 ohm	4		●	2		●
WMR 50T	40 W	8 ohm	4		●	2		●
MMR 30T	10 W	16 ohm			●	4		●
CMR 60T	80 W	8 ohm	4		●	2		●
CMR 50T	40 W	8 ohm	4		●	2		●
CMR 30	15 W	16 ohm				4		
PMR 60T	80 W	8 ohm	4		●	2		●
CMR-S 60T	80 W	8 ohm	4		●	2		●

DESIGN EXAMPLES

CASE STUDY	Coffee Shop	**APPLICATION**	Background music with subwoofer
ZONES	1	**SPEAKERS' IMPEDANCE**	Low Impedance
INPUT	Analog (Audio source)	**RDSpace CONFIG**	WiFi



CASE STUDY	Rooftop restaurant	**APPLICATION**	Background music
ZONES	2	**SPEAKERS' IMPEDANCE**	High Impedance
INPUT	Analog (Audio source)	**RDSpace CONFIG**	LAN



MONITOR SPEAKERS

COMPREHENSIVE INSTALLATION RANGE Wall and surface -mount models, providing complete solutions for background and foreground sound. Compact, discreet designs integrate seamlessly into any space with versatile mounting and finish options.

TYPICAL APPLICATIONS Small to large shops – Meeting rooms – Bars – Restaurants – Fitness centers.

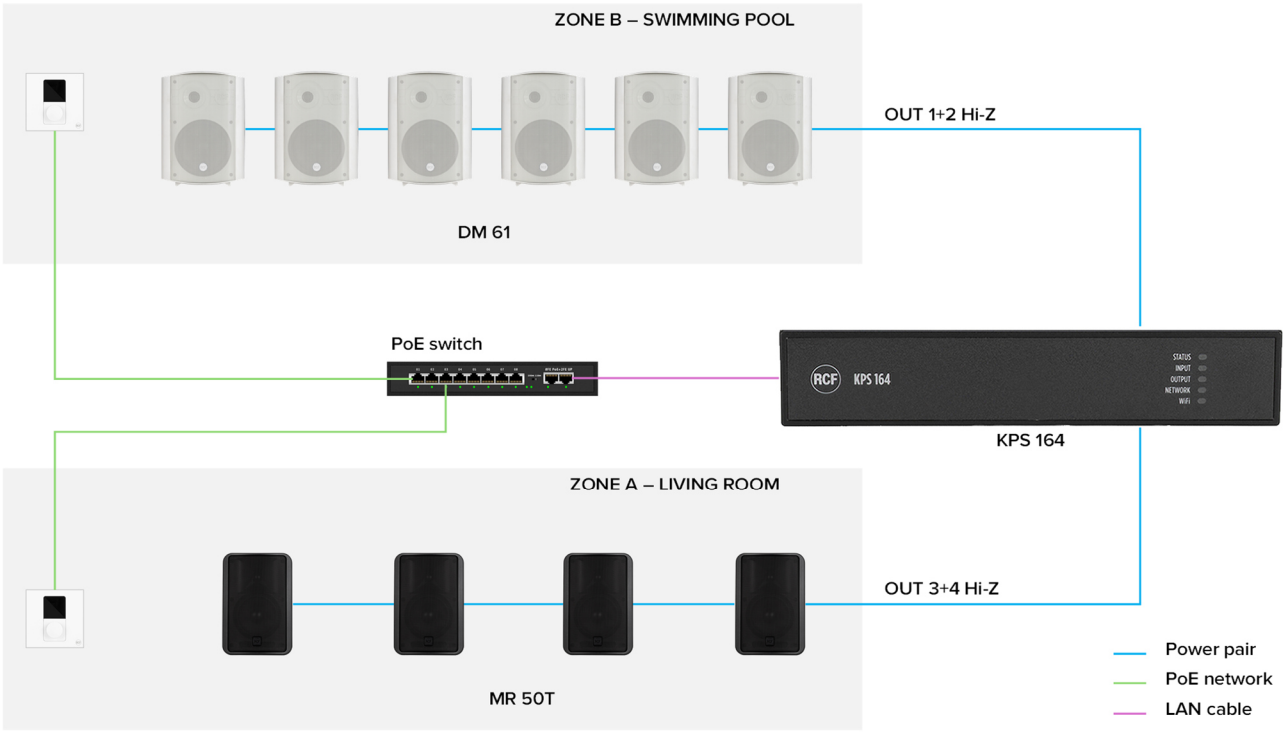


SPECIFICATIONS	MR 50T / MR 50	MR 40T / MR 40	MQ 80P	MQ 50C	DM 61	DM 41
Frequency Response (-10dB)	60 Hz - 20000 Hz	70 Hz - 20000 Hz	100 Hz - 20000 Hz	70 Hz - 20000 Hz	70 Hz - 20000 Hz	100 Hz - 20000 Hz
Max SPL @ 1m	110 dB	108 dB	114 dB	112 dB	106 dB	102 dB
Amplification	Full Range	Full Range	Full Range	Full Range	Full Range	Full Range
Nominal Impedance	8 ohm	8 ohm	8 ohm	16 ohm	8 ohm	8 ohm
Power Handling	60 W	40 W	60 W	60 W	25 W	15 W
Line transformer	70/100 V	70/100 V	100 V	100 V	100 V	100 V
Dome Tweeter	1 x 1.0” neo, 0.8” v.c.	1 x 1.0” neo, 0.8” v.c.	1 x 1.0”	1 x 1.0” neo	1 x 1.0”	1 x 1.0”
Woofer	1 x 5.0”, 1.0” v.c.	1 x 4.0”, 1.0” v.c.	1 x 5.0”	1 x 5.0” neo	1 x 6.0”	1 x 3.5”
Input / output connectors	Euroblock	Euroblock	Cable	Euroblock	Cable	Cable

MATCHING TABLE								
			KPS 80X			KPS 16X		
MODEL	POWER	IMP	Lo-Z	Bridge	Hi-Z	Lo-Z	Bridge	Hi-Z
MR 50T	60 W	8 ohm			●	2		●
MR 50	60 W	8 ohm				2		
MR 40T	40 W	8 ohm			●	2		●
MR 40	40 W	8 ohm				2		
MQ 80P	60 W	8 ohm			●	2		●
MQ 50C	60 W	16 ohm	8		●	2 / 4		●
DM 61	25 W	8 ohm			●	2		●
DM 41	15 W	8 ohm			●	2		●

DESIGN EXAMPLES

CASE STUDY	Residential villa	**APPLICATION**	Background music
ZONES	2	**SPEAKERS' IMPEDANCE**	High Impedance
INPUT	Analog (Audio source)	**RDSpace CONFIG**	LAN



EN 54-24 SPEAKERS

COMPREHENSIVE INSTALLATION RANGE

Ceiling and wall -mount models, providing complete solutions for background and foreground sound. Compact, discreet designs integrate seamlessly into any space with versatile mounting and finish options.

TYPICAL APPLICATIONS

Small to large shops – Meeting rooms – Bars – Restaurants – Fitness centers.



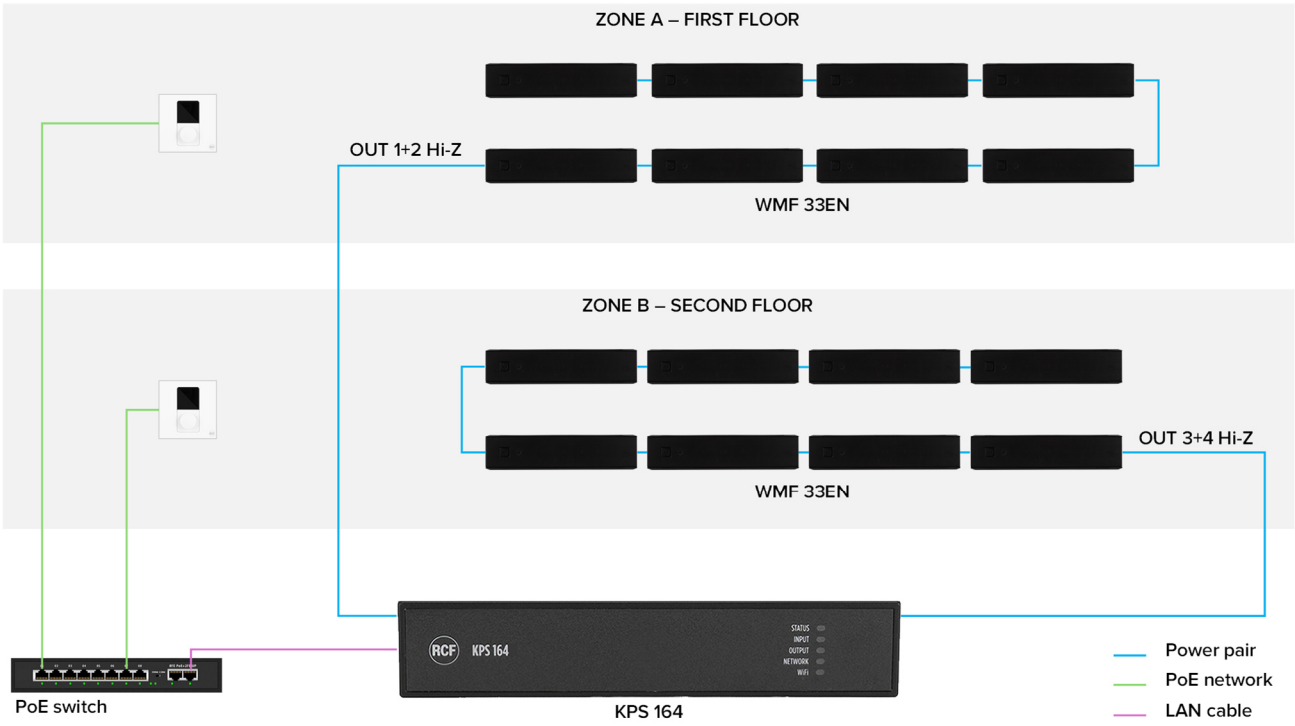


SPECIFICATIONS	WMF 33EN	WMF 33EN
Frequency Response (-10dB)	80 Hz - 22000 Hz	80 Hz - 22000 Hz
Max SPL @ 1m	105 dB	105 dB
Amplification	Full Range	Full Range
Nominal Impedance	8 ohm	8 ohm
Power Handling	40 W	40 W
Line transformer	70/100 V	70/100 V
Dome Tweeter	1 x 1.0” neo, 1.0” v.c.	1 x 1.0” neo, 1.0” v.c.
Woofer	2 x 3.0”, 1.0” v.c.	2 x 3.0”, 1.0” v.c.
Input / output connectors	Ceramic terminals	Ceramic terminals

MATCHING TABLE								
			KPS 80X			KPS 16X		
MODEL	POWER	IMP	Lo-Z	Bridge	Hi-Z	Lo-Z	Bridge	Hi-Z
MF 33EN	40 W	8 ohm			●	2		●
WMF 33EN	40 W	8 ohm			●	2		●

DESIGN EXAMPLES

CASE STUDY	Multi-floor retail shop	**APPLICATION**	Announcements / background music
ZONES	2	**SPEAKERS' IMPEDANCE**	High Impedance
INPUT	Analog (Audio source)	**RDSpace CONFIG**	LAN



COLUMN SPEAKERS

COMPREHENSIVE INSTALLATION RANGE

Column speakers models, providing complete solutions for background and foreground sound. Compact, discreet designs integrate seamlessly into any space with versatile mounting and finish options.

TYPICAL APPLICATIONS

A/V applications – Meeting rooms – Bars – Restaurants.



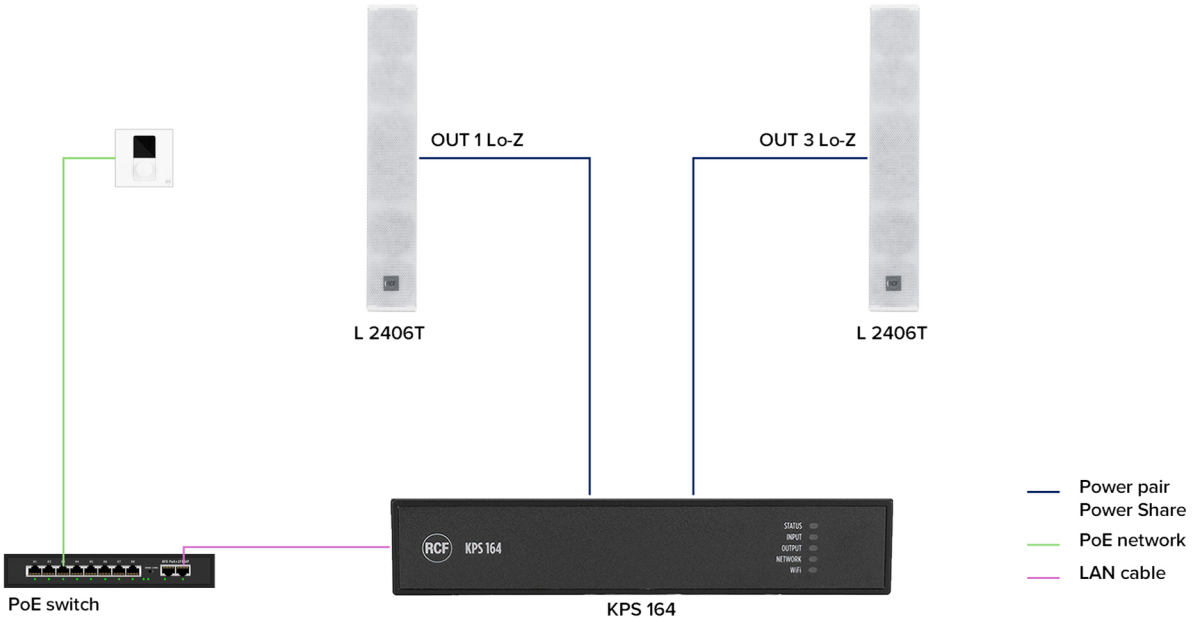


SPECIFICATIONS	L 2406T	MQ 100L
Frequency Response (-10dB)	100 Hz - 20000 Hz	130 Hz - 20000 Hz
Max SPL @ 1m	126 dB	112 dB
Amplification	Full Range	Full Range
Nominal Impedance	8 ohm	16 ohm
Power Handling	200 W	80 W
Line transformer	100 V	100 V
Dome Tweeter	4 x 1.0”, 1.0” v.c.	2 x 0.75”, 1,0” v.c.
Woofer	6 x 5.0”, 1.0” v.c.	2 x 3.5” , 1,0” v.c.
Input / output connectors	Euroblock	Euroblock

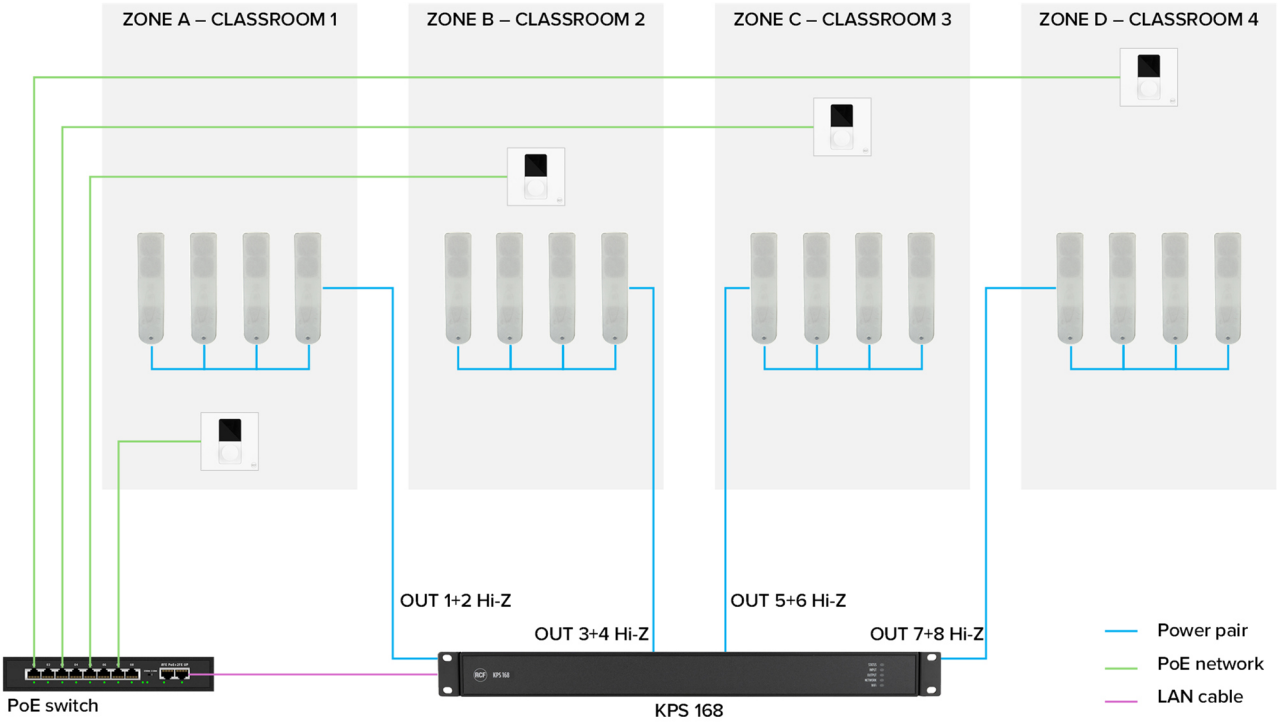
MATCHING TABLE									
			KPS 80X			KPS 16X			
MODEL	POWER	IMP	Lo-Z	Bridge	Hi-Z	Lo-Z		Bridge	Hi-Z
L 2406T	200 W	8 ohm	4		●	1		1	●
MQ 100L	80 W	16 ohm	8		●	2	4		●

DESIGN EXAMPLES

CASE STUDY	Stage for speeches	APPLICATION	Speech
ZONES	1	SPEAKERS' IMPEDANCE	Low Impedance
INPUT	Analog (Mic)	RDSpace CONFIG	LAN



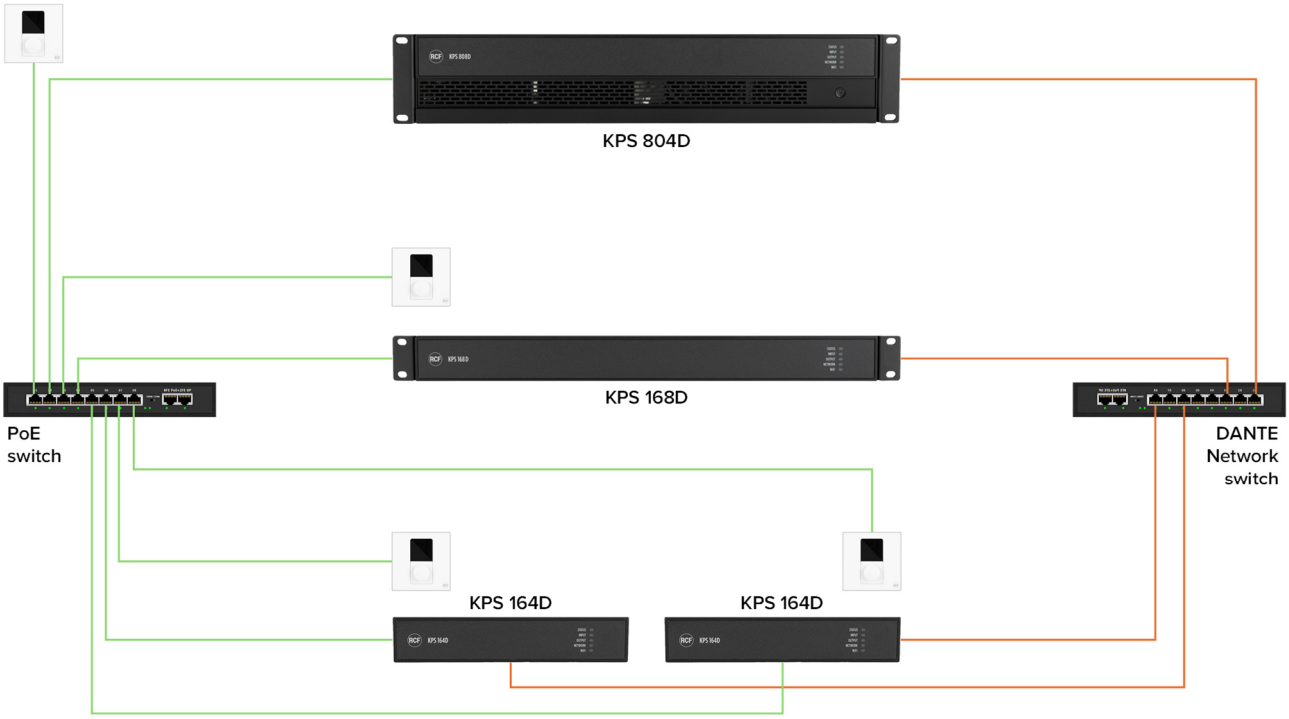
CASE STUDY	University campus building	APPLICATION	Speech
ZONES	4	SPEAKERS' IMPEDANCE	High Impedance
INPUT	Analog (Mic)	RDSpace CONFIG	LAN



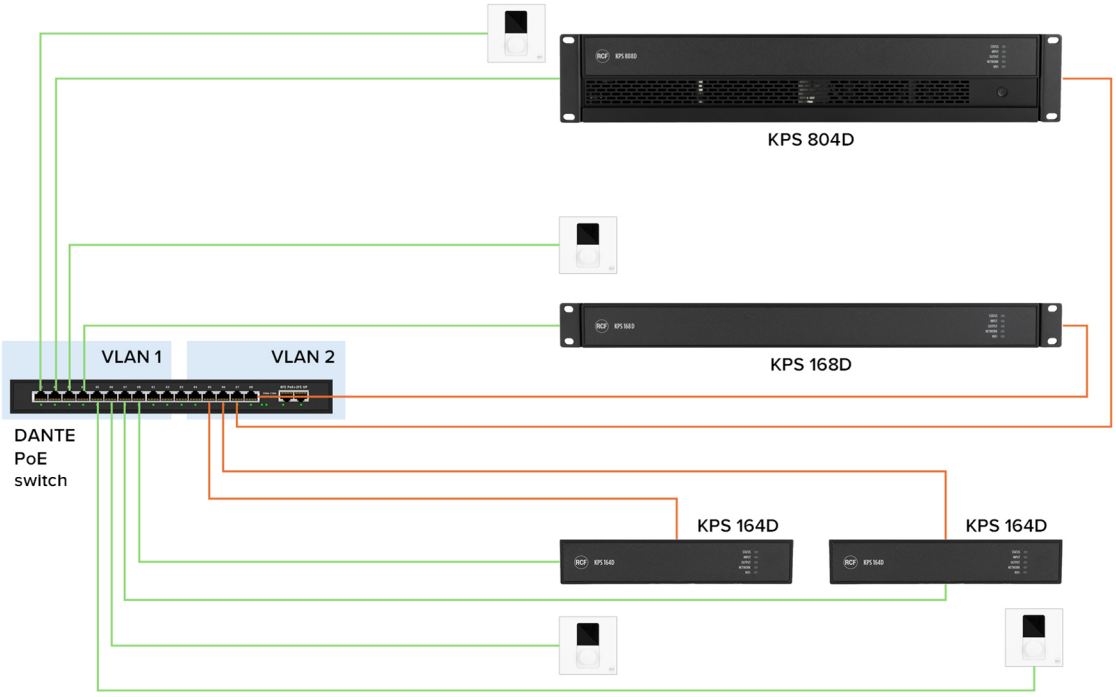
DANTE™ AUDIO DISTRIBUTION

Each KPS Series model can be equipped with an integrated Audinate Dante™ audio-over-IP interface (“D” models), providing low-latency, lossless multichannel audio transport over standard Ethernet infrastructure.

For Dante™ audio distribution, a suitable switch is necessary. It is recommended to use different switches for audio distribution and control, as shown in the picture below.



It is also acceptable to use a single, managed switch for both audio and control but, in that case, it is mandatory to use two different network VLANs.





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