



# R2

## Multi-zone digital audio matrix

### Highlights:

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- Compatible with AUDAC Touch™
- 8 x 8 digital Audio Matrix
- Powerful DSP Processor
- Remote control web interface
- RS232 & TCP/IP control port
- Paging system functionality

The R2 is a multi-zone audio distribution system which is a truly polyvalent solution for commercial and residential applications, with the flexibility of a multizone router. It delivers a comprehensive and expandable powerful solution for nearly every situation. With its large number of extension modules and configuration modes, it provides a solution for an uncountable amount of installations – large or small, simple or complex. In general, the R2 is an 8 x 8 digital audio matrix system, which is based on a powerful DSP processor. It is fully digitally controllable, and the built-in digital matrix makes it possible to patch any of the input signals to any of the output signals. The AUDAC APM paging tables are designed to create a powerful and flexible paging solution in combination with the R2. Using the freely available AUDAC Touch™ application for smart devices guarantees total system control and configuration from any device on any location and at any time.

Note: The AUDAC R2DIS interactive 7" touch-screen display kit shown on some promotional images of the R2 is an optional expansion kit not included in the standard R2.

### Applications:

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- Clubs, bars, restaurants
- Hotels
- Houses of worship
- Corporate spaces
- Public facilities
- Residential



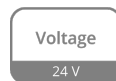
### Additional Inputs:

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### Additional Voltage:

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## System specifications:

Inputs	Unbalanced Stereo	Type	8 x Stereo Unbalanced Line
		Connector	RCA
	Balanced Priority Audio	Connector	3-pin Euro Terminal Block (Pitch - 5.08 mm)
		Type	2 x Balanced Priority Audio Input (Line)
	Peripheral Interface	Connector	RJ45
		Type	10 x Peripheral Interface Input
Priority Contact	Connector	2-pin Euro Terminal Block (Pitch - 5.08 mm)	
	Type	2 x Priority Contact Input	
Outputs	Line	Connector	Dual RCA
		Type	8 x Line output
	Power Amplifier	Connector	4-pin Euro Terminal Block (Pitch - 5.08 mm)
		Type	8 x Power Amplifier outputs (option)
Control			RS-232
			TCP/IP (RJ45)
			Wall panel (RS-485)
			Audac Touch™
			Web (Flash)
			Web (HTML5)
Power	Supply		100 ~ 240 V AC / 50 ~ 60 Hz

## Product Features:

Dimensions	482 x 132 x 350 mm (W x H x D)
Weight	8.4 kg
Mounting	19" Rack
Unit height	3 HE
Optional expansion kit	OPT2 (Fiber interconnection Interface)
	POW2 (Internal Power Amp 16 x 60 W)
Peripheral Interfaces	DW5065 All-In-One Wall Panel
	DW3020/4020 Wall control panel
	APM1xx Digital Paging Consoles

## Architects' and Engineers' Specifications:

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The multi-zone audio matrix system must comprise 8 analog line inputs and 8 analog line outputs with DSP processor. The system must include an integrated web server with a fully functional web-based user interface that can be accessed through TCP/IP without additional software requirement. The system must include 10 RJ45 connectors with RS485 control signals, 2 priority audio inputs, 2 priority contact inputs, allow automatically-activated zone linking and time schedules with up to 256 pre-programmed events. Standard functions on the device must be controllable via additionally connected wall panels and mobile devices, while the device's configuration settings must be controllable via third party devices using the TCP/IP, RS-232 and RS-485 connectivity possibilities. The audio mixer's processor must include limiter/AGC functionality. The device must allow input mixing and audio delay and include a built-in voice file interface. The professional audio matrix shall be implementable in a total system control application which is compatible with Android and iOS devices, allowing combining its controls together with other audio & video equipment from one single dashboard. The audio mixer must allow power supply operation at 230 V AC/50 ~60 Hz. The audio mixer's chassis must be a three-rack space steel constructed 19" housing. Its dimensions must not exceed a width of 482 mm, a height of 132 mm and a depth of 350 mm. Its net weight must not exceed 8.85 kg.

