

# Optimal Audio

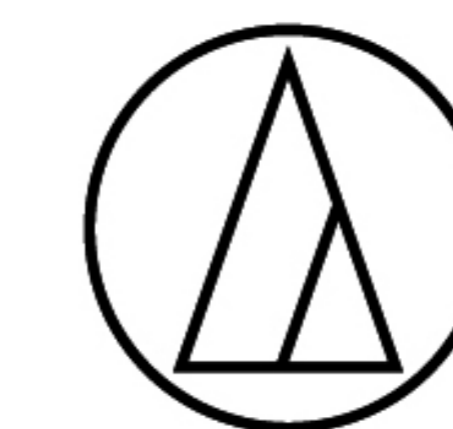
# Project Design

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Date	
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Projects are designed by Audio-Technica Ltd for the use of Audio-Technica audio installation customers. This system design is for indication proposes only, design and layout out of equipment are the sole responsibility of the audio installation company. Drawing can be used as an indication of the location, however, all dimensions should be checked carefully before any work commences and materials are ordered. Where applicable, a suitable structural engineer and/or a party wall surveyor should be consulted for the placement of equipment on ceilings and walls. Audio-Technica take no responsibility for damage to the building, loss of profits or other issues arising from the use of this system design. It is the sole responsibility of the audio installation company to adhere to any building standards and fire regulations when specified audio equipment and cabling.

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**audio-technica**

# Product List

Product	Description	Quantity
UP60-W	6" ceiling speaker, 60w@16Ω, 60w@100v, depth 104mm in white	2
CUBOID6-B	6" cabinet speaker, 60w@8Ω, includes wall mount in black	10
SUB10-B	10" subbass cabinet speaker, 250w@8Ω in black	1
CIPKIT-B	Single outdoor connector cover for Cuboid3 & 5 in black	4
SB1-B	Wall bracket for Sub10 in black	1
ZONE8PUK	8 zoner, 4 line, 2 mic, 2 HDMI, 8x100w@4Ω/8Ω or 4x200w@8Ω or 70v	1
ZONEPAD4	4 zone controller	1
BACKBOXON	On wall back box for ZONEPAD	1

# Product Details



## Cuboid6-B

Two-way, full range, passive, 6.5" loudspeaker

Discreet size, high performance  
Portrait or landscape mounting options  
Wall bracket included  
Max SPL 105dB (continuous) 111dB (peak)  
130° horizontal x 120° vertical coverage  
IP54 for outdoor use with accessory terminal cover



## Up-60

Two way passive, full range open back 6" ceiling speaker

6" Coaxial Driver  
Discreet size without back can  
Unobtrusive Design  
16 ohm or 70/100V line operation  
Wide Conical Coverage Pattern  
Integrated Mounting Hardware



## Sub-10

Low-profile sub-bass loudspeaker

Discreet size  
Punchy sub-bass extension  
Ideal where space is limited  
Great sub support for smaller systems



## ZonePad4

4 zone wall controller

Remote control wall panel for control of up to four zones  
Contemporary design fits in with any décor  
Intuitive layout with touch sensitive controls  
Easily configured to suit your venue  
Easy access to everyday functions  
Very competitive pricing

## Zone 8P

8 zone audio controller with DSP, amplification and WebApp



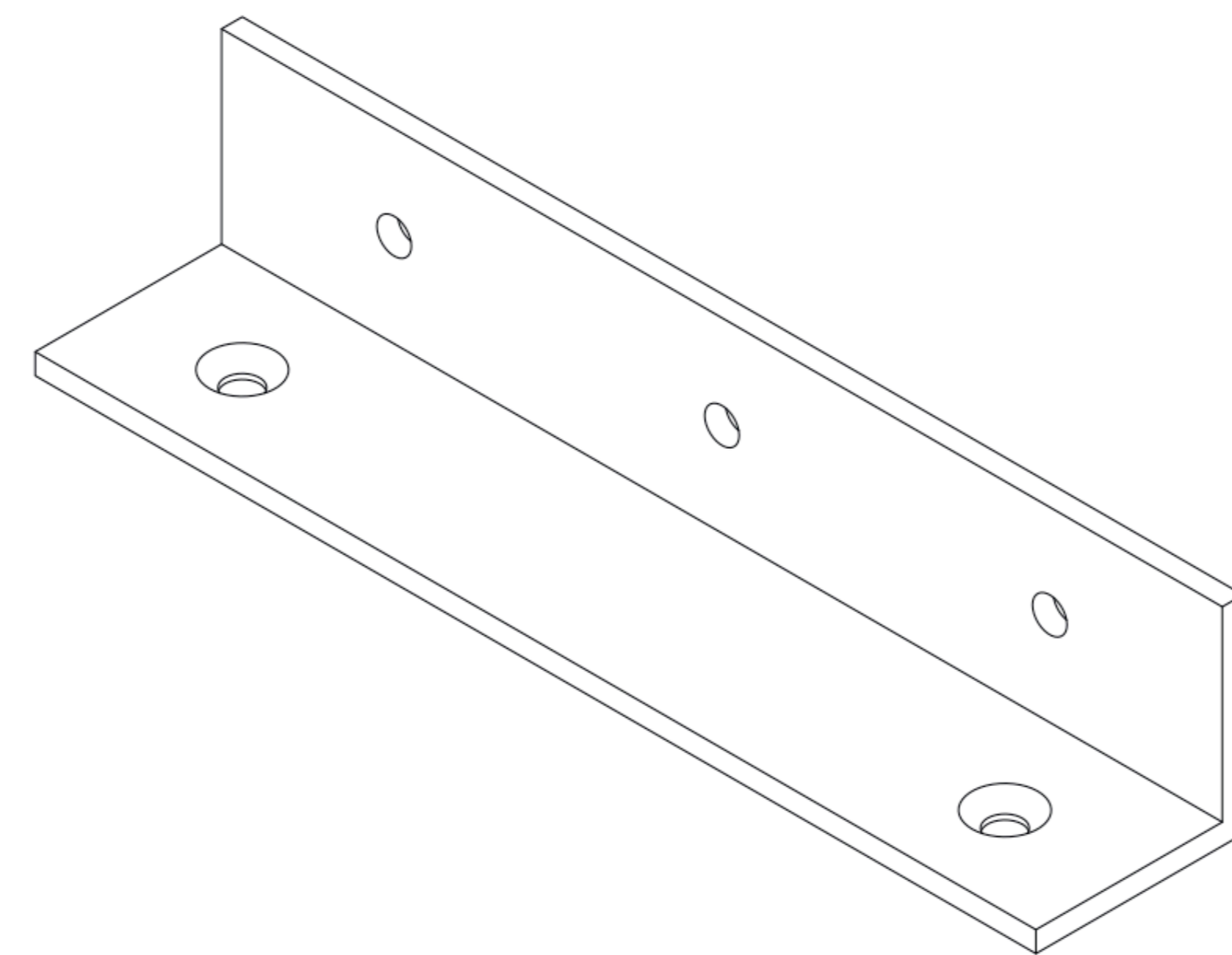
Full suite of audio controls for up to 8 zones  
Fully flexible signal routing  
Eight channels of 100W integrated amplification at 4Ω or 8Ω  
Bridge channels for 200W @ 8Ω for 70v applications  
WebApp interface for easy system configuration and everyday control  
2 mic, 4 stereo line and 2 HDMI inputs  
Fully programmable presets and timed events  
Very competitive pricing

# Product Details



## CIPKIT-B

Weatherised cover  
UV resistant ABS material  
Supplied with 2x PG7 cable glands  
Suitable for 2 AWG (33.6mm<sup>2</sup>) cable  
Upgrades Cuboid 3 / 3TX, 5 / 5TX and 6 / 6TX to IP54 rating when fitted (optional extra - not included with product as standard)



## SB1

Compatible with Sub 10

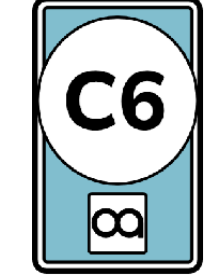
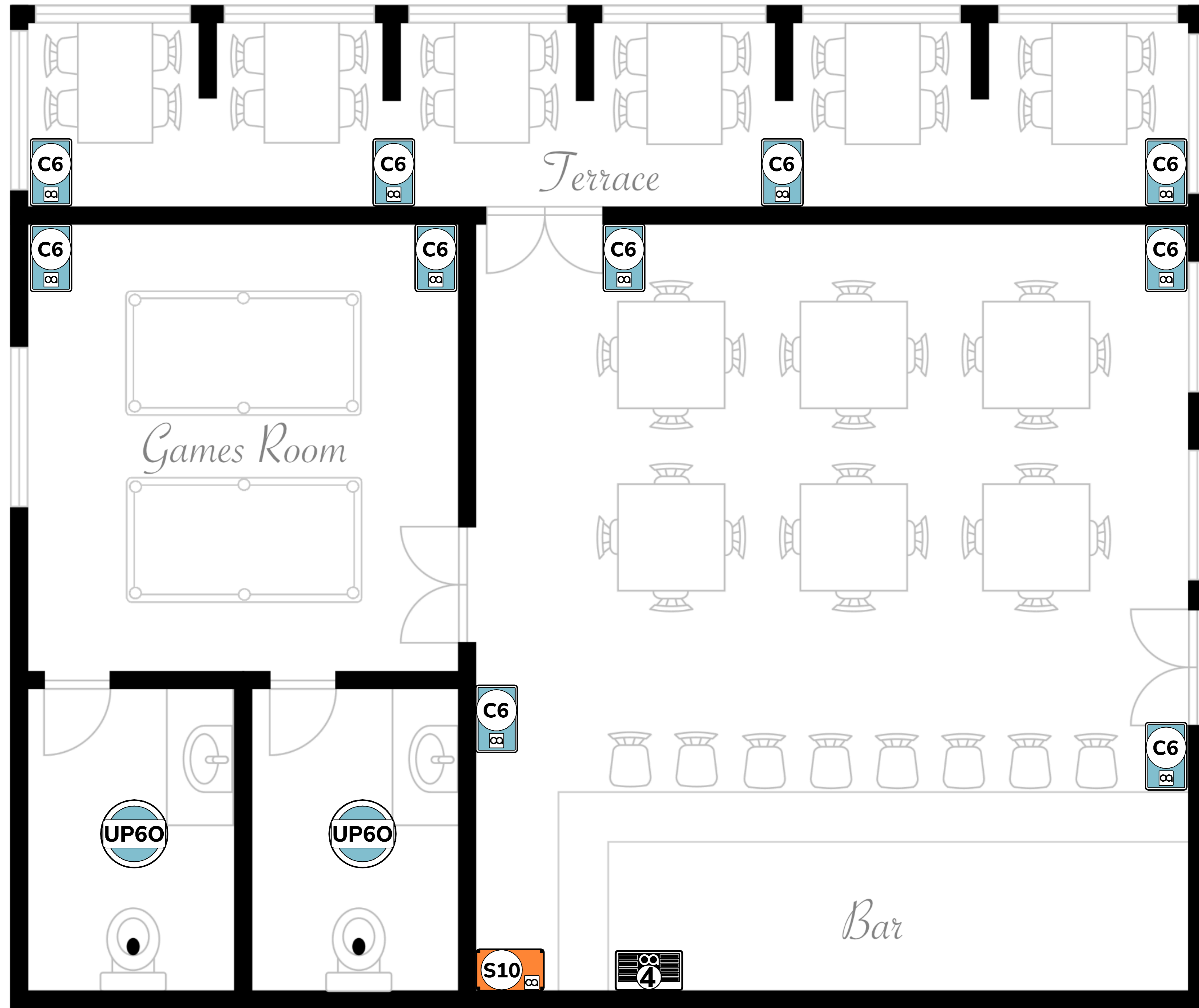


## BACKBOXON

Surface mounting plastic box.  
The ZonePad can be inserted and fixed to the box.

20mm conduit knock-out in the top face and 18x25mm minitrunking knock-out in the opposing face.

# Speaker Layout



Cuboid6-B



UP60



SUB-10

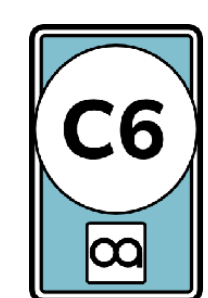
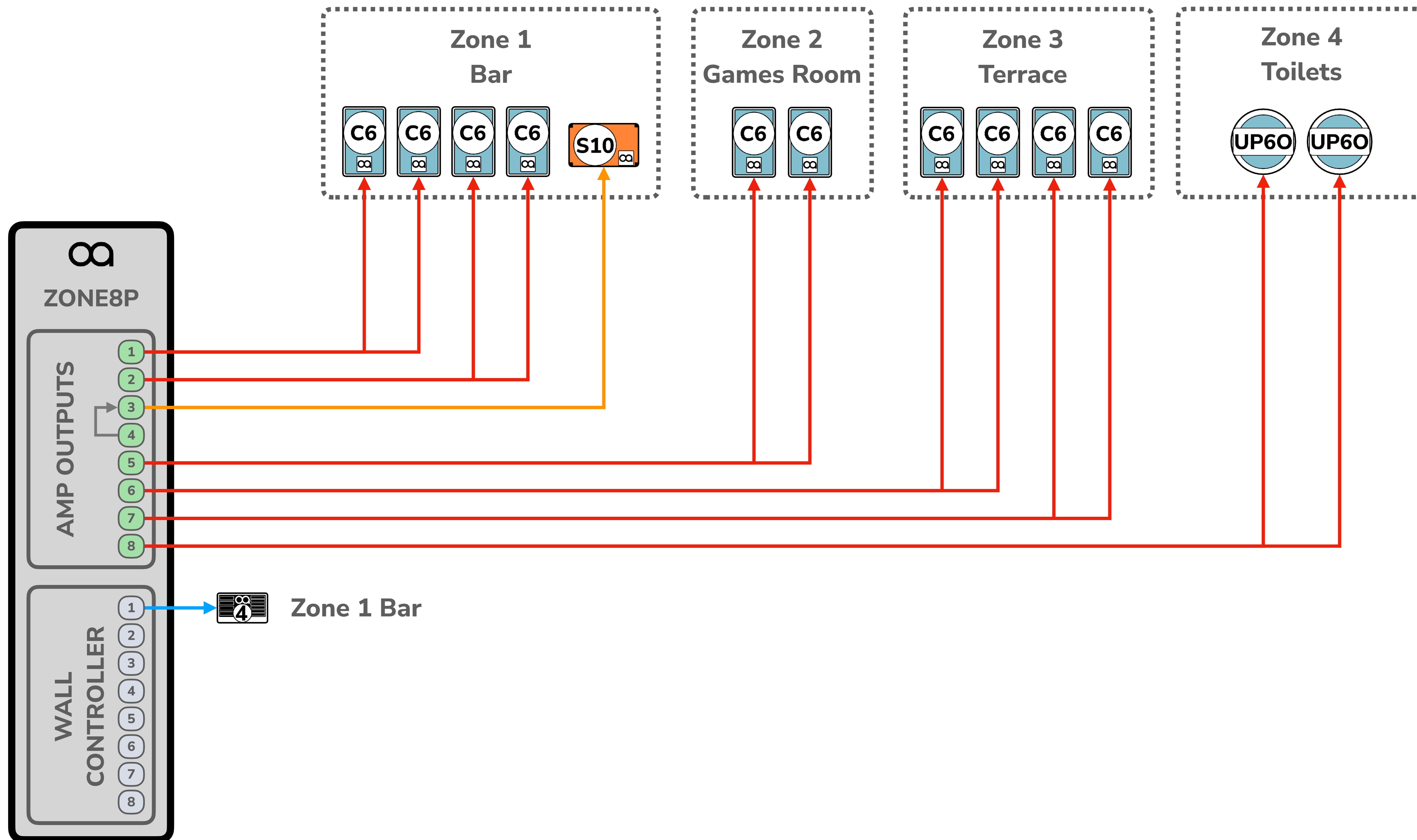


Zonepad4

# Speaker Amplifier Requirements

Zones	Area	Speakers	Power Required	Amplifier	Amplifier Channel
1	Bar	4 x Cuboid6	240w - 480w	Zone8P	1+2
		1 x SUB-10	250w		3+4 Bridged
2	Games Room	2 x Cuboid6	120w - 240w		5
3	Terrace	4 x Cuboid6	240w - 480w		6+7
4	Toilets	2 x UP60	120w		8

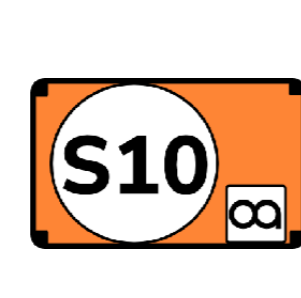
# Speaker Wiring



Cuboid6-B



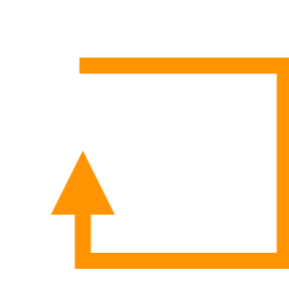
UP60



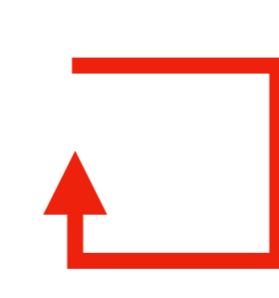
SUB-10



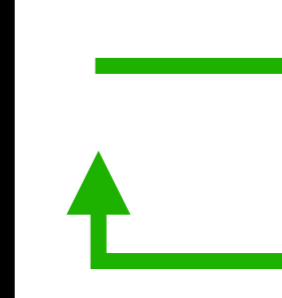
Zonepad4



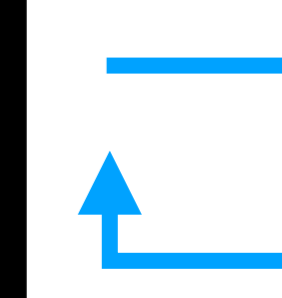
2.5mm Speaker Cable



1.5mm Speaker Cable



0.75 2 Core Cable



CAT5 minimum

# WebApp Output Settings

Amp Output Settings	Amp Output 1	Amp Output 2	Amp Output 3	Amp Output 4	Amp Output 5	Amp Output 6	Amp Output 7	Amp Output 8
Source	Zone 1 Bar	Zone 1 Bar	Zone 1 Bar		Zone 2 Games Room	Zone 3 Terrace	Zone 3 Terrace	Zone 4 Toilets
Left/Right or Mono	Mono Sum	Mono Sum	Mono Sum		Mono Sum	Mono Sum	Mono Sum	Mono Sum
Bridge Mode	Disabled	Disabled	Enabled		Disabled	Disabled	Disabled	Disabled
Preset	Cuboid6	Cuboid6	Sub10		Cuboid6	Cuboid6	Cuboid6	Up60
Level Trim	0dB	0dB	0dB		0dB	0dB	0dB	0dB