

# AUDAC M2

Digital Multi-Zone Audio Mixing System



ATEIS



ATEIS SE Europe

doo

# M2

- Multi-Output Audio Distribution System
- Fully digital system
- Modular structure
  - Flexible design
  - Many expansion modules
- Very user friendly interface

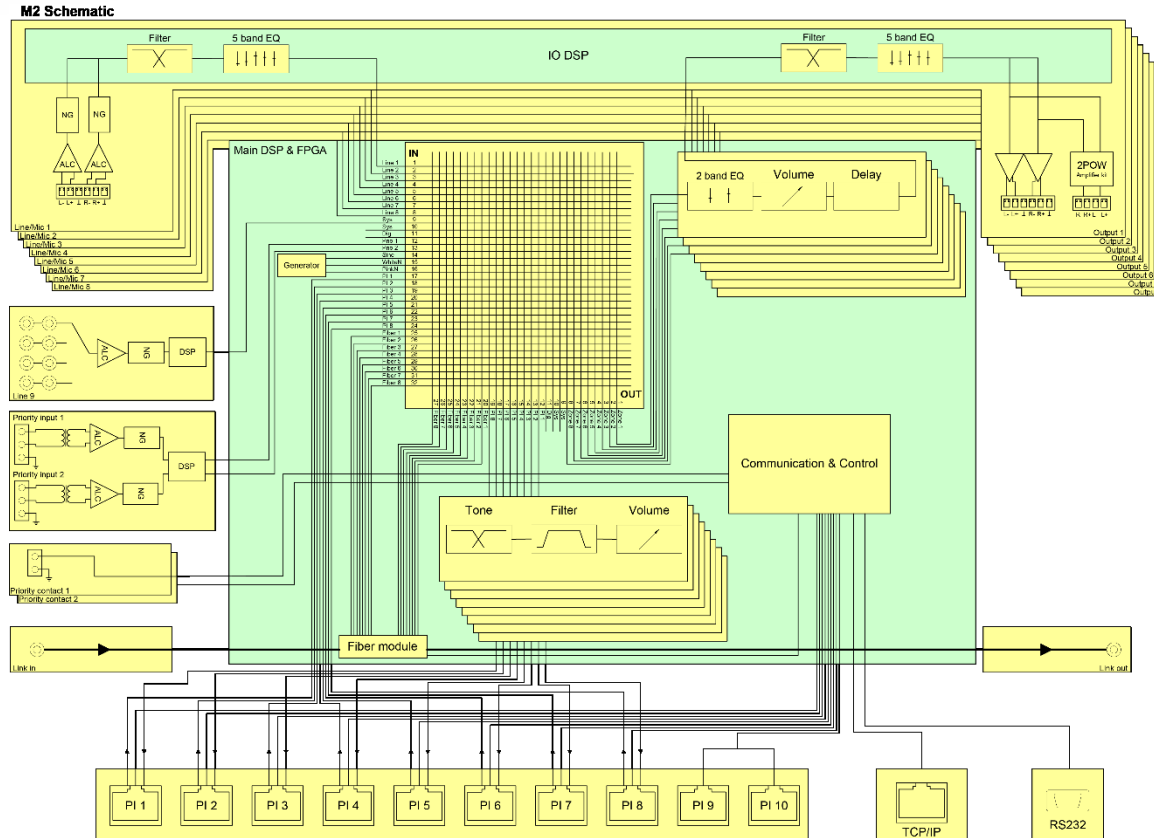


# Technical features

- 9 x 8 digital audio mixer
- Powerful DSP processor
  - 24-bit 48 kHz audio processing power
- Ethernet control
  - Web based user interface



# Block diagram



# Standard features overview

- Web based user interface
- Real Time Clock
- ALC (Automatic Level Control) with NG (Noise Gate)
- Phantom 48V
- 5 band EQ (Inputs & outputs)
- Filters (inputs & outputs)
- Mono/Stereo (inputs & outputs)
- Priority
- Talkover
- Output linking
- Scenes
- Quick menu
- Delay: 0 – 2000ms
- Max volume



# Web based user interface

- Fully functional web based user interface
- No additional software required
- Any Ethernet connected device with Flash web browser can control the M2
- Very user friendly
- Setting up is really intuitive
- Free iPhone en iPad apps



# Real Time Clock

- Holds actual time and date, even if power breaks down
- Time server sync
- Timer scheduling (up to 256 events)
  - Change signal routing
  - Adjust volume
  - Mute
  - Paging volume



# ALC (Automatic Level Control) with NG (Noise Gate)

- Constant input signal
- Fully adjustable
- Noise Gate
- Line preset
- Mic preset





# Filters

- Inputs
- Outputs
- Frequency selectable between 10Hz and 22 kHz
- High pass filter
- Low pass filter
- Band pass filter
- No limit



# 5 band EQ

- Inputs
- Outputs
- No limit

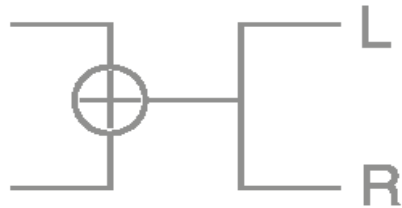


# Mono/Stereo

- Inputs



- Outputs



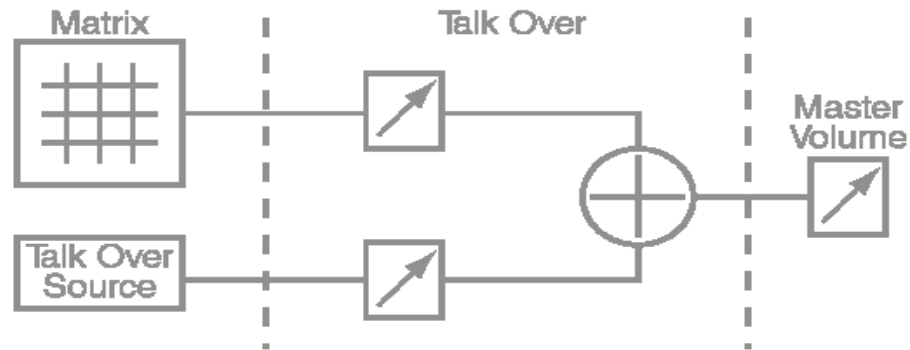
# Priority inputs

- 4 priorities
- 10 contact inputs
- Selectable volume
- All inputs have signal detection
- Priority over Fibre (2OPT)



# Talk Over

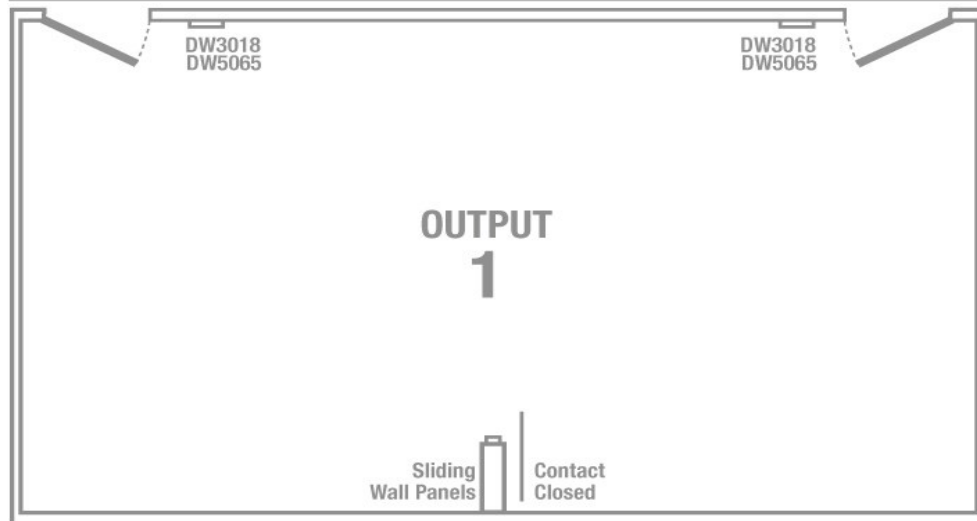
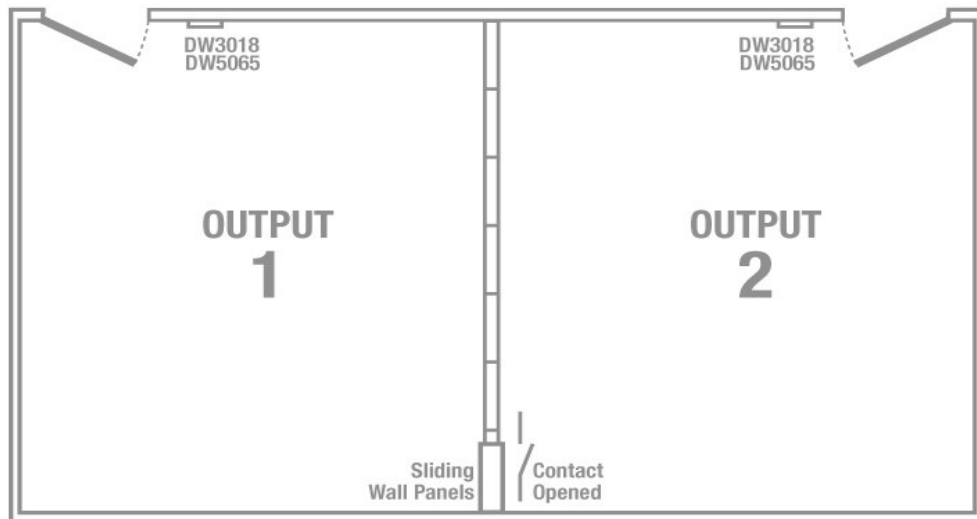
- All Outputs
- All Inputs as source
- Matrix level
- Talk over source level



# Output Linking

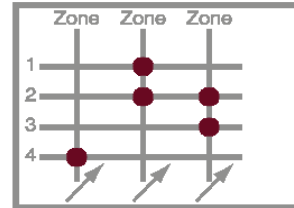
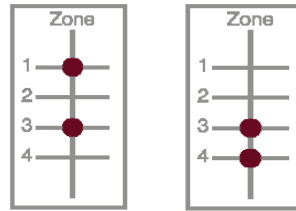
- Link multiple outputs
  - Volume selectable
  - Routing selectable
  - Always linked
  - Linked by contact
  - All wall panels will be updated





# Scenes

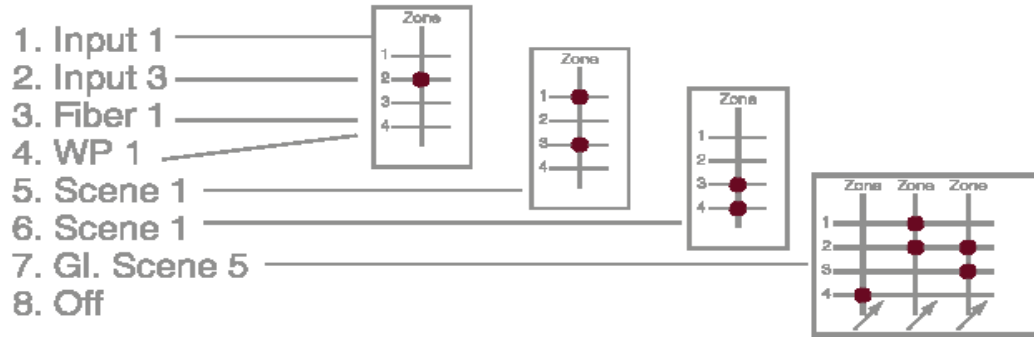
- Output Scenes
  - Affects 1 output
  - Mixing
  - Does not affect volume
  - 8 scenes for each output
- Global Scenes
  - Affects multiple outputs
  - Affects multiple volumes
  - Up to 8 scenes





# Quick menu

- 8 input selections for each output
- Output Scene
- Global Scene



# Relay

- 1 for each output
- Trigger by prio and paging
  - Override 100V volume controls
  - Trigger Speaker lamps (CSE55/CSW55)



# Future features

- Anti feedback
- Automixing
- Voice file
- Recording



# Optional Features

- M2DIS (Touchscreen)
- OPT2 (Fiber link)
- POW2 (16 channels amplifier kit)



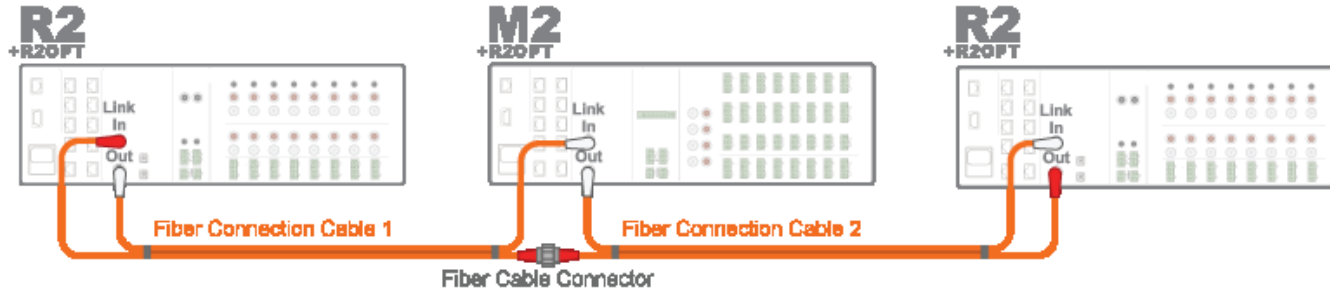
# M2DIS - Touchscreen

- 7" touchscreen, 800 x 480 resolution
- All control functions
- Important setup functions

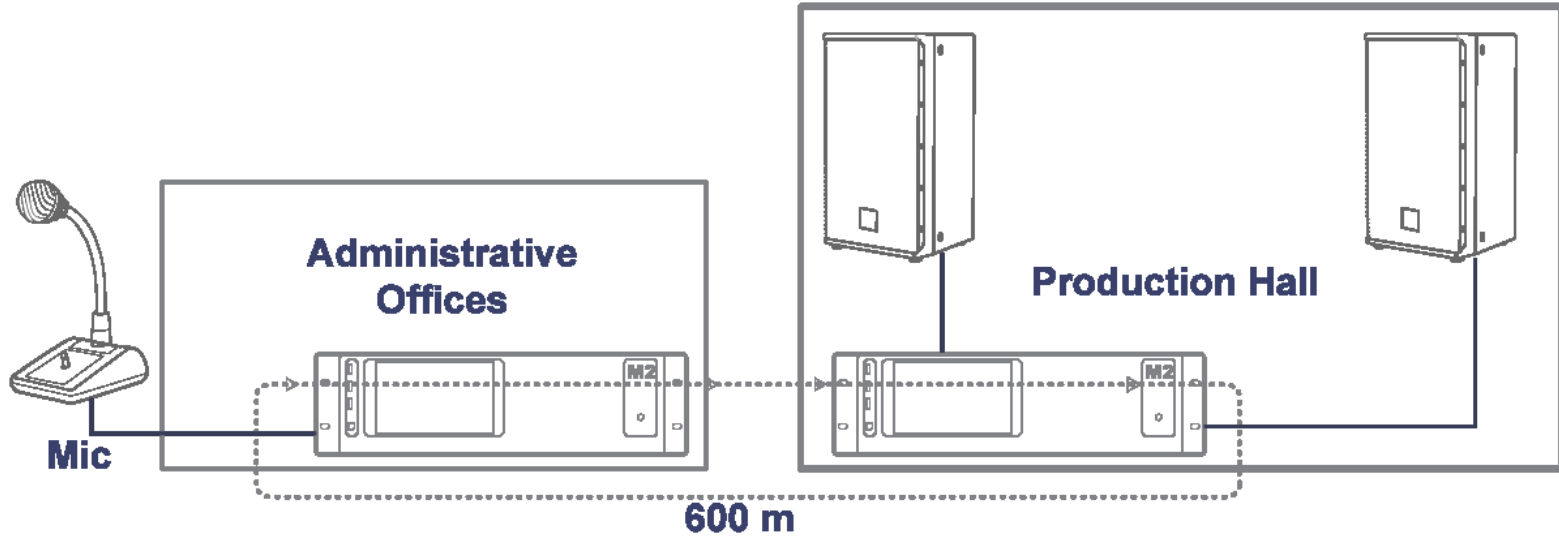


# OPT2 – Fiber link

- Expand number of zones
- Cover large distances
- 1000m
- Exchange 8 stereo channels
- Control all zones by one user interface

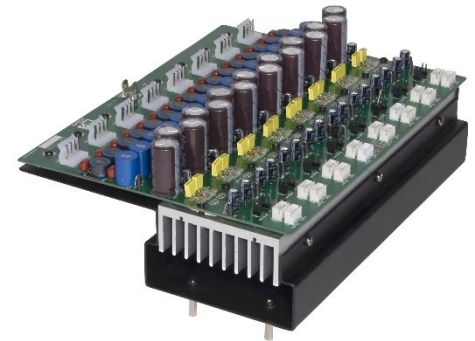


# OPT2 example



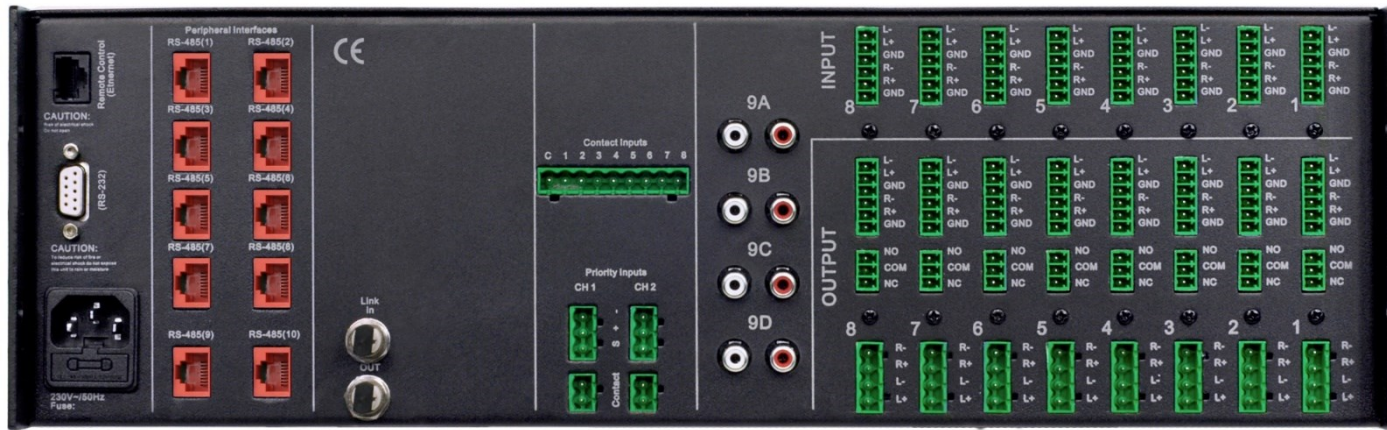
# POW2 - 16 channels amplifier kit

- Low output power required
- 16 x 60 Watt (4 Ohm) Class D amplifiers (8 Stereo)
- High sound quality (0,02% @1KHz)
- Channel bridging in user interface (120 Watt / 8 Ohm)
- 100V transformer compatible



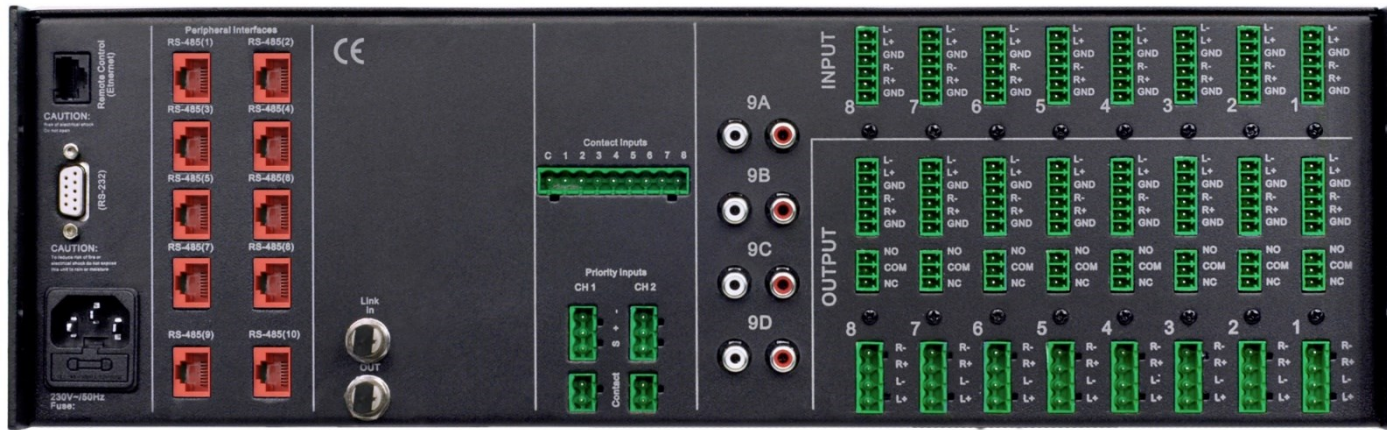


# Rear panel overview



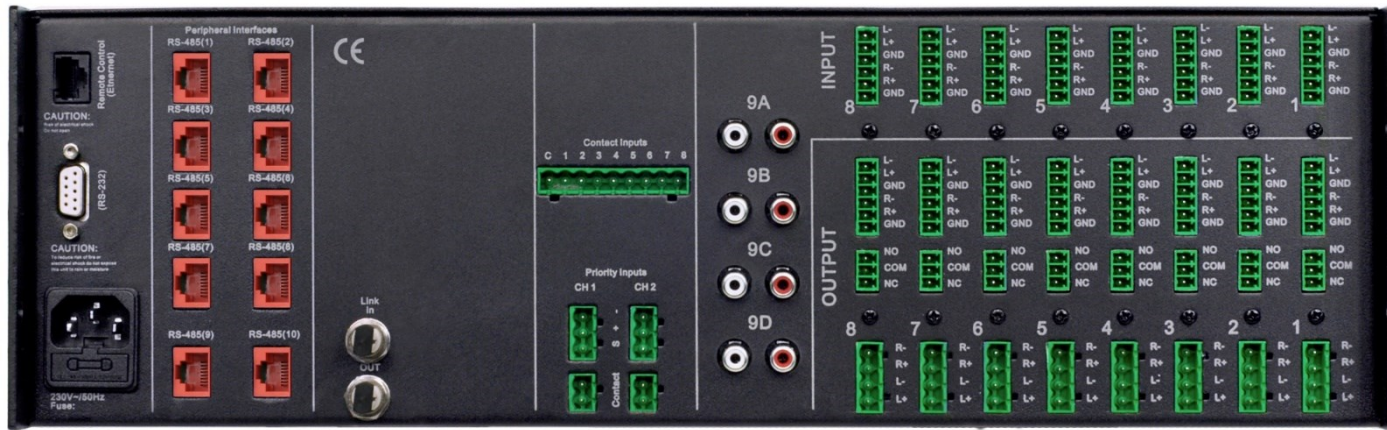
Mic/Line input  
& zone output section

# Rear panel overview



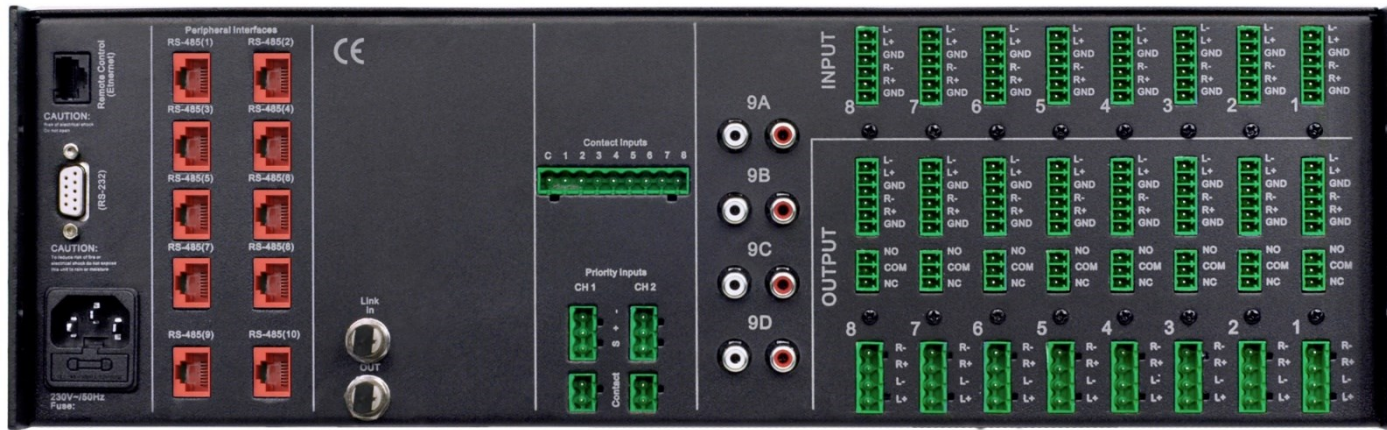
Line input 9

# Rear panel overview



Priority  
& contact inputs

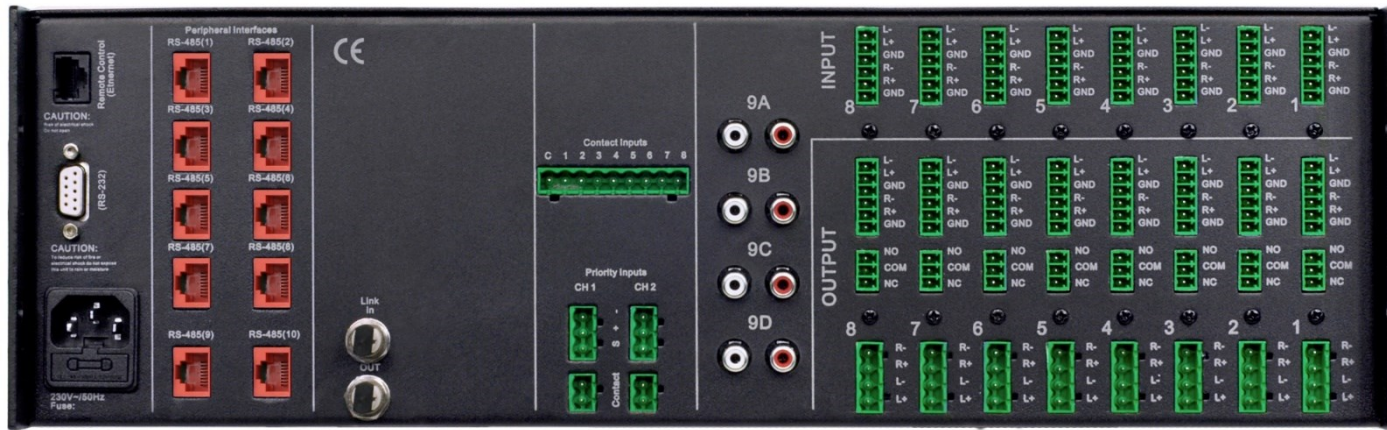
# Rear panel overview



Digital control ports



# Rear panel overview



Fiber link

# Expansion modules

- Wall panel DW3020
- Wall panel DW5066
- Paging table APM1xxMk2
- Relay groups ARU1xx

# Wall panel DW3020



- Control routing and volume
- Access to Quick Menu selections
- CAT6 cabling

# Wall panel DW5066



- Control routing and volume
- Line en microphone input
- Local mixing
- Digital audio transfer
  - Insensitive for interference
  - Extra input
- CAT6 cabling



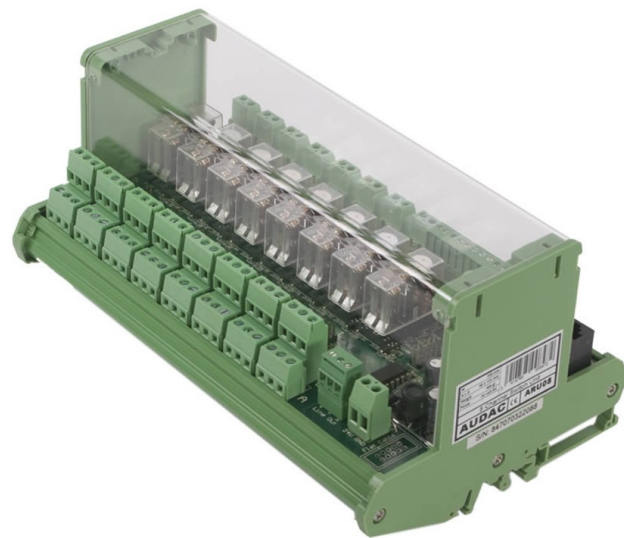
# Paging table APM1xxMk2

- Multiple chimes
- Up to 3 layers
- Internal messages
- Digital audio transfer
- Paging over fiber(OPT2)
- CAT6 cabling

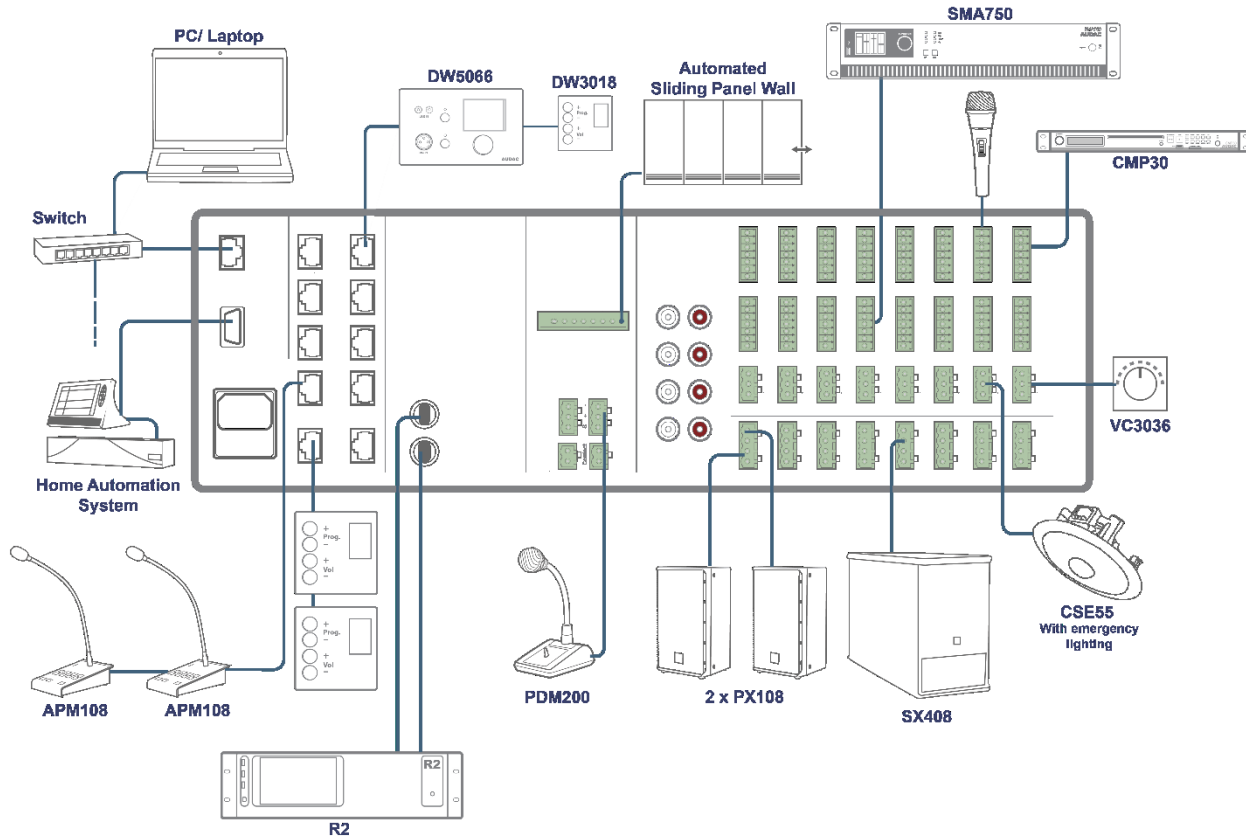


# Relay Groups ARU1xx

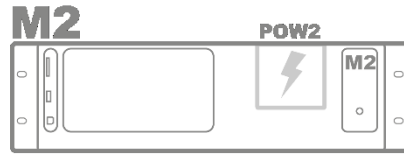
- Multi purpose
- Page/Prio
  - Overrule 100V volume controls
  - Trigger speaker lamps (CSE55/CSW55)
- Toggle
  - Lights on/off
  - Curtains open/close
- Pulse
  - Open door
  - Trigger voice file



# M2 connection example



M



**CMP30**



**CMP30**



**M2**



**CMP30**

**CMP30**

**M2**

**POW2**



**M2**

**3 Kitchen**

**2 Bathroom**

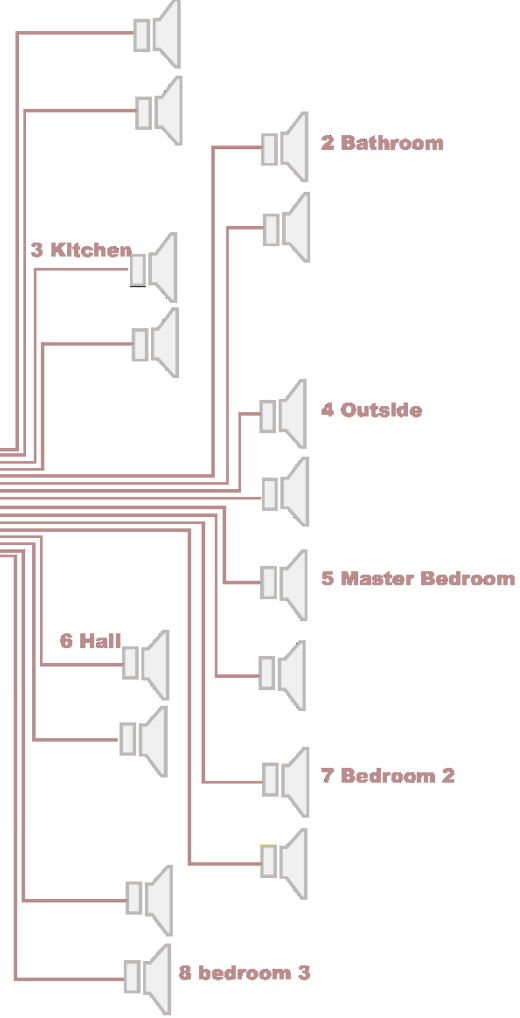
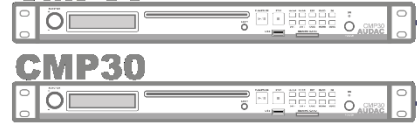
**4 Outside**

**5 Master Bedroom**

**6 Hall**

**7 Bedroom 2**

**8 bedroom 3**



**CMP30**

**CMP30**

**M2**

**POW2**

**M2**

**1 Livingroom**

**DW5066**

**DW3020**

**2 Bathroom**

**DW3020**

**3 Kitchen**

**DW3020**

**4 Outside**

**DW3020**

**5 Master Bedroom**

**DW5066**

**DW3020**

**6 Hall**

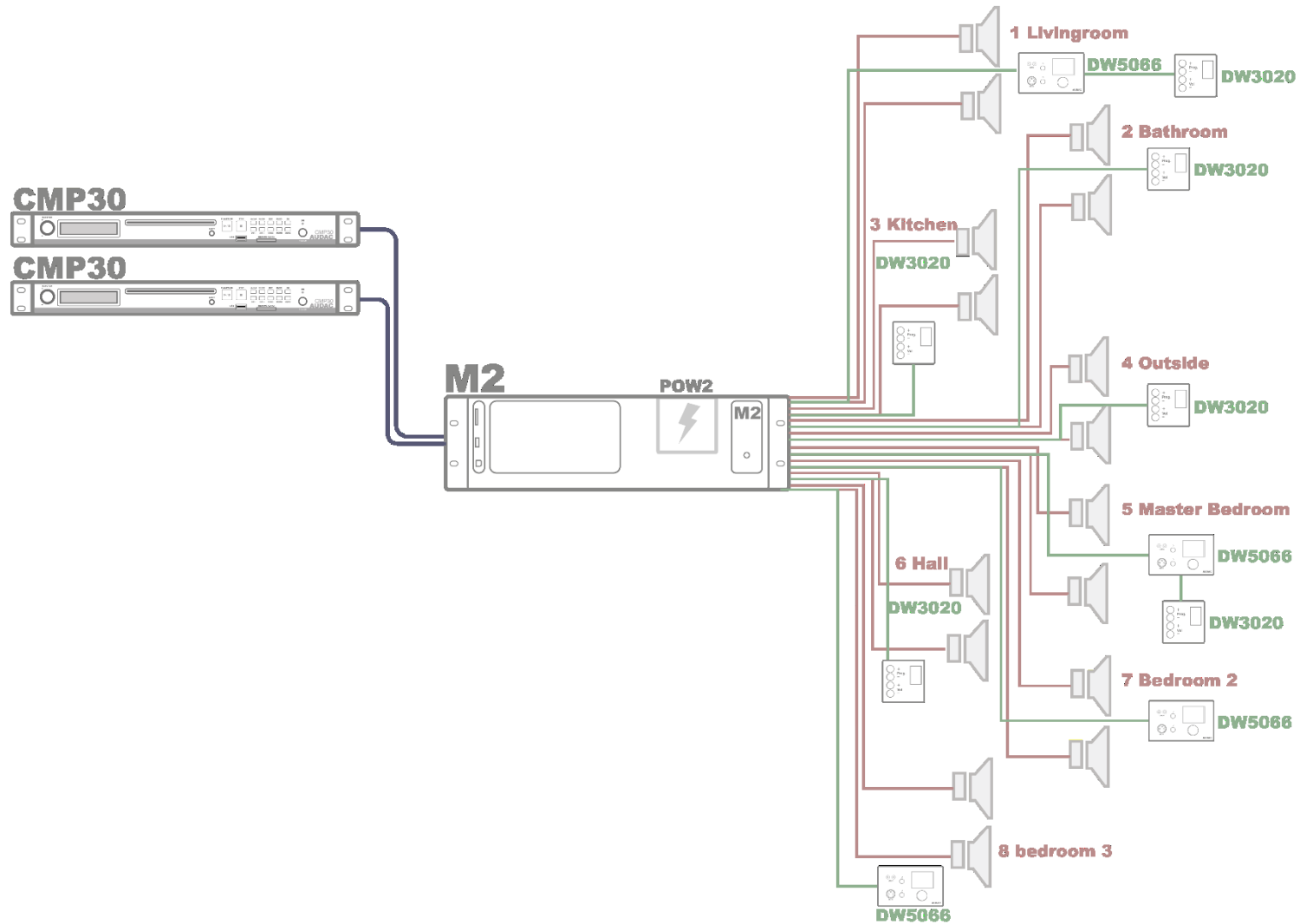
**DW3020**

**7 Bedroom 2**

**DW5066**

**8 bedroom 3**

**DW5066**



**CMP30**

**CMP30**

**M2**

**POW2**

**M2**

**WiFi**

**iPhone**

**iPad**

**Laptop**

**1 Livingroom**

**DW5066**

**DW3020**

**2 Bathroom**

**DW3020**

**3 Kitchen**

**DW3020**

**4 Outside**

**DW3020**

**5 Master Bedroom**

**DW5066**

**DW3020**

**6 Hall**

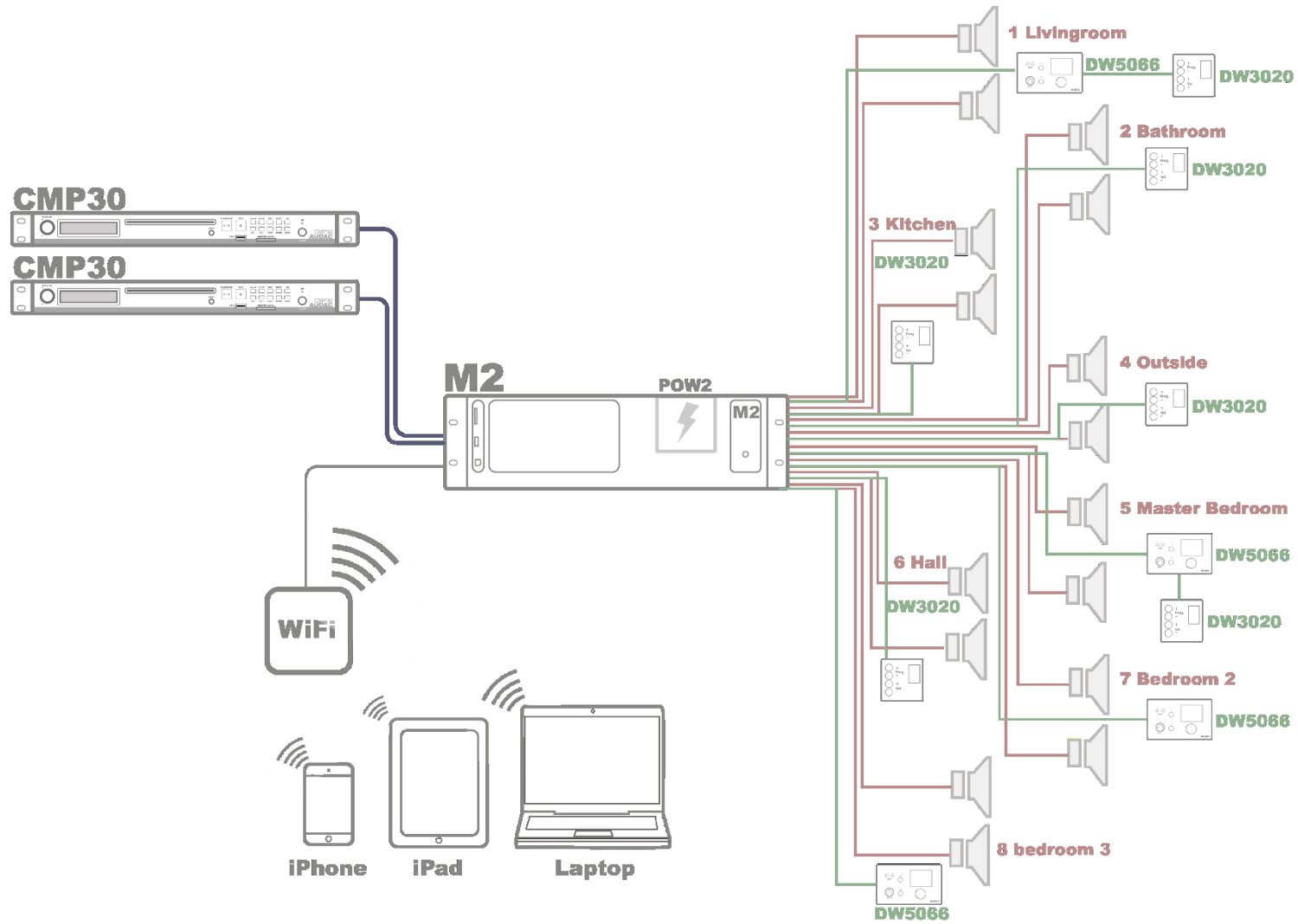
**DW3020**

**7 Bedroom 2**

**DW5066**

**8 bedroom 3**

**DW5066**





**CMP30**

**CMP30**

**M2+ M2DIS**

**POW2**

**M2**

**1 Livingroom**

**DW5066**

**DW3020**

**2 Bathroom**

**DW3020**

**3 Kitchen**

**DW3020**

**4 Outside**

**DW3020**

**5 Master Bedroom**

**DW5066**

**6 Hall**

**DW3020**

**7 Bedroom 2**

**DW5066**

**8 bedroom 3**

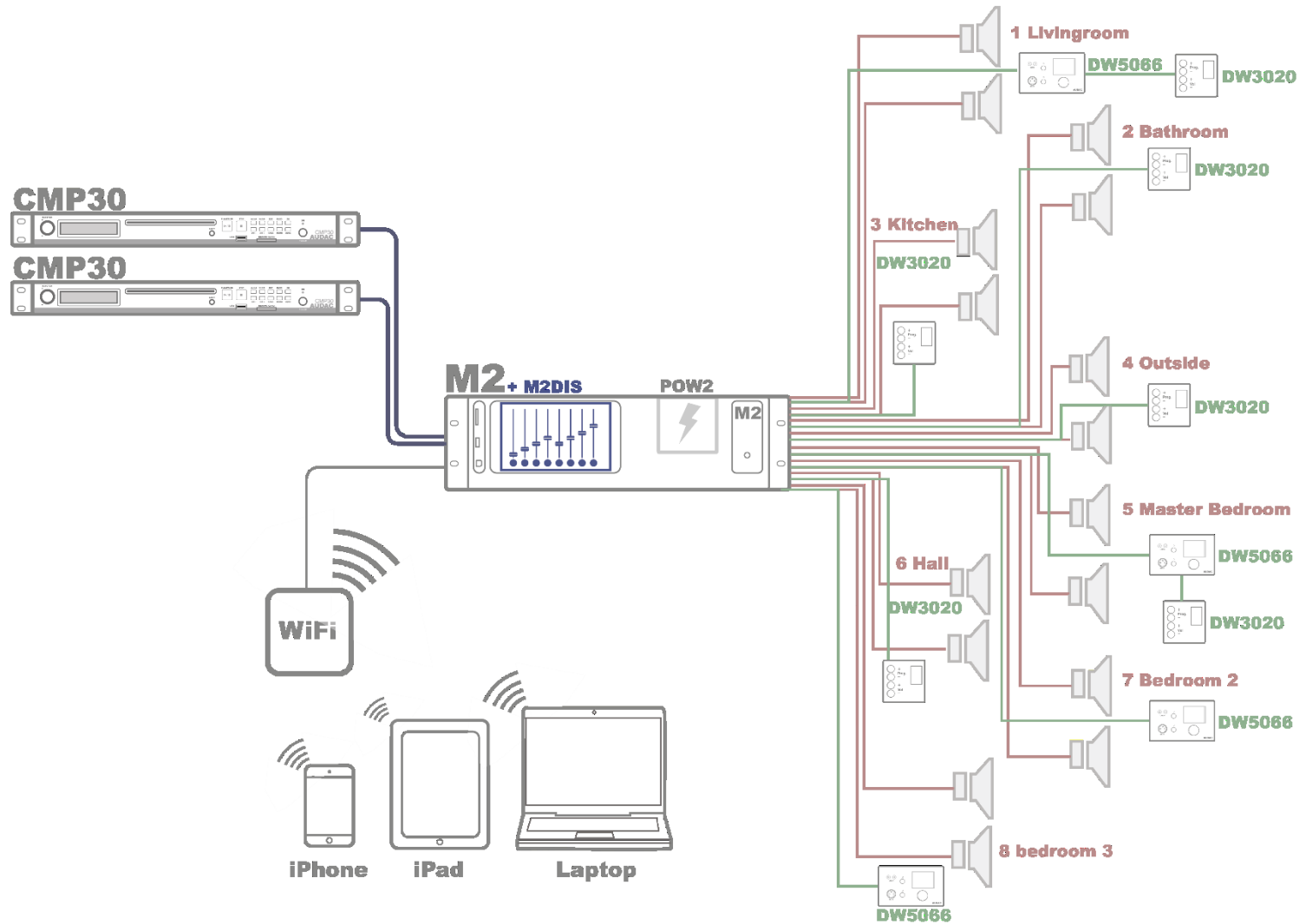
**DW5066**

**WiFi**

**iPhone**

**iPad**

**Laptop**



**CMP30**

**CMP30**



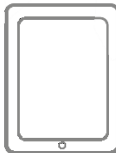
**Doorbell**



**WiFi**



**iPhone**

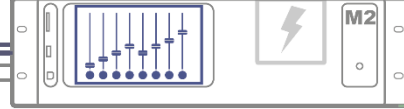


**iPad**



**Laptop**

**M2+ M2DIS**



**POW2**



**M2**



**1 Livingroom**



**DW5066**



**DW3020**

**2 Bathroom**



**DW3020**

**3 Kitchen**



**DW3020**

**4 Outside**



**DW3020**

**5 Master Bedroom**



**DW5066**



**DW3020**

**6 Hall**



**DW3020**

**7 Bedroom 2**

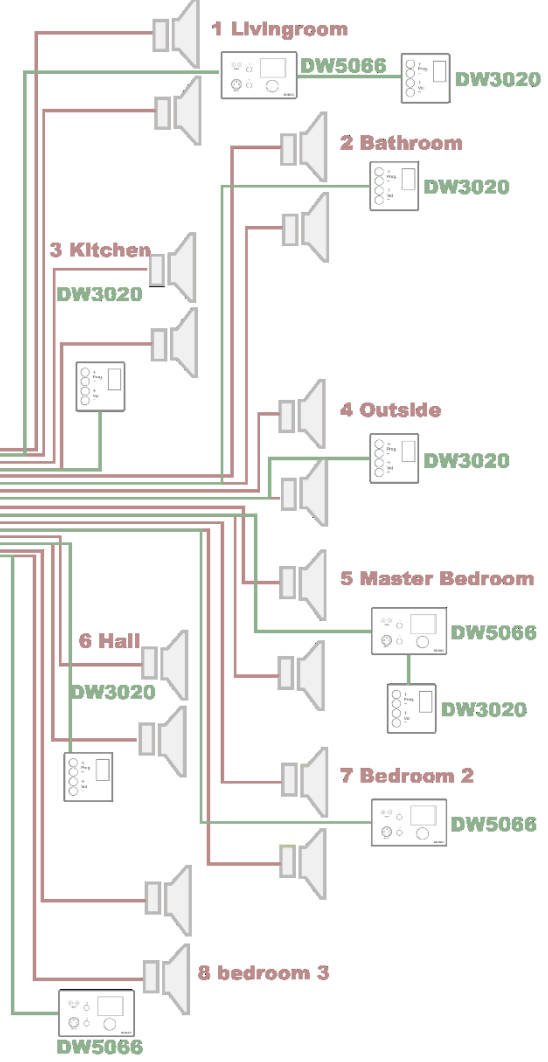


**DW5066**

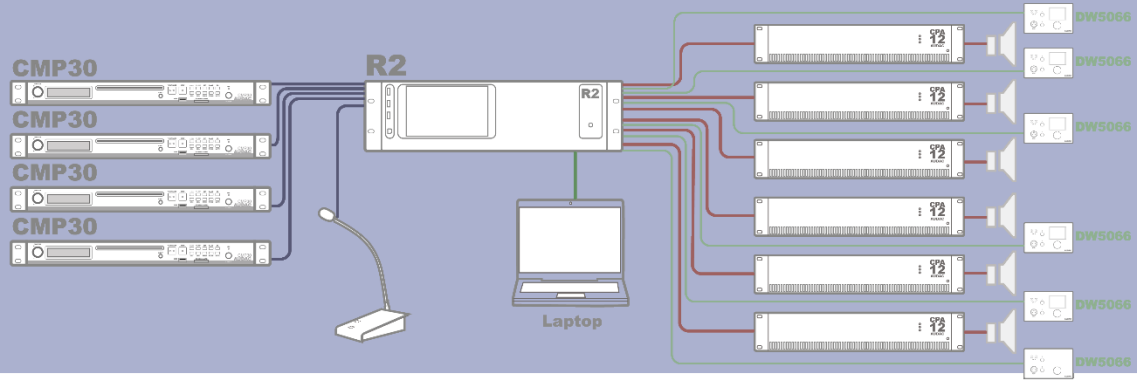
**8 bedroom 3**



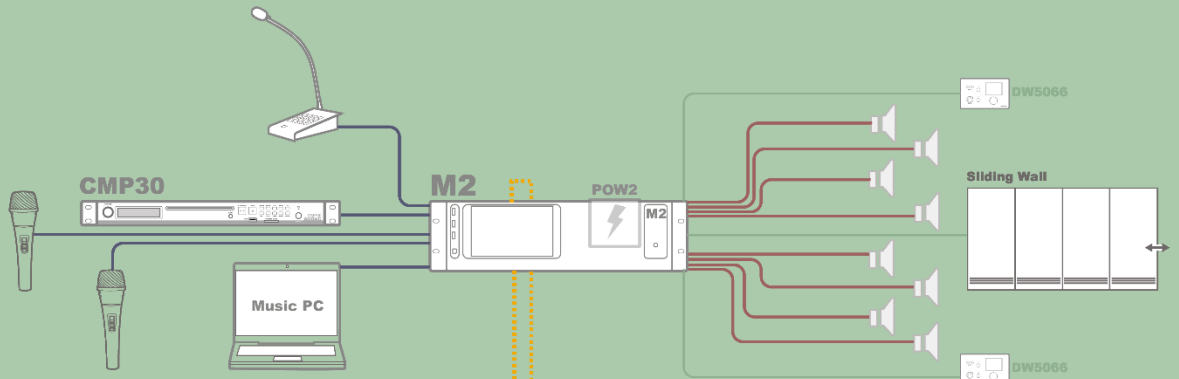
**DW5066**



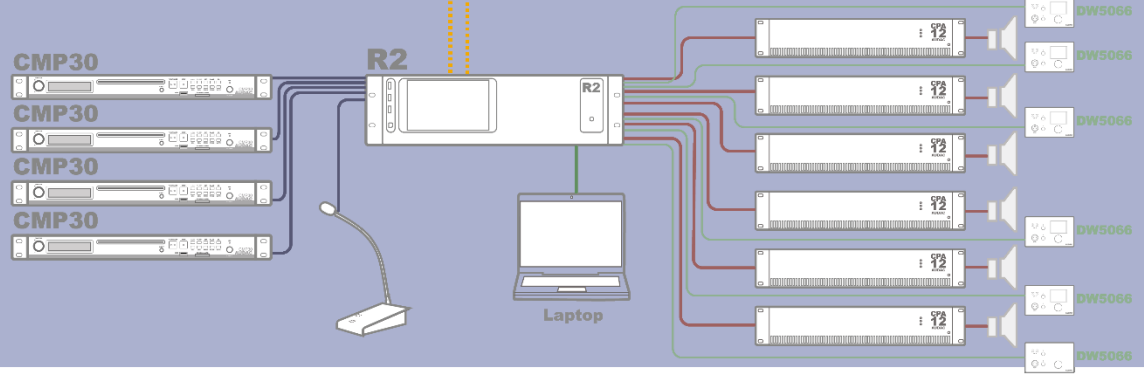
# Main Building Offices



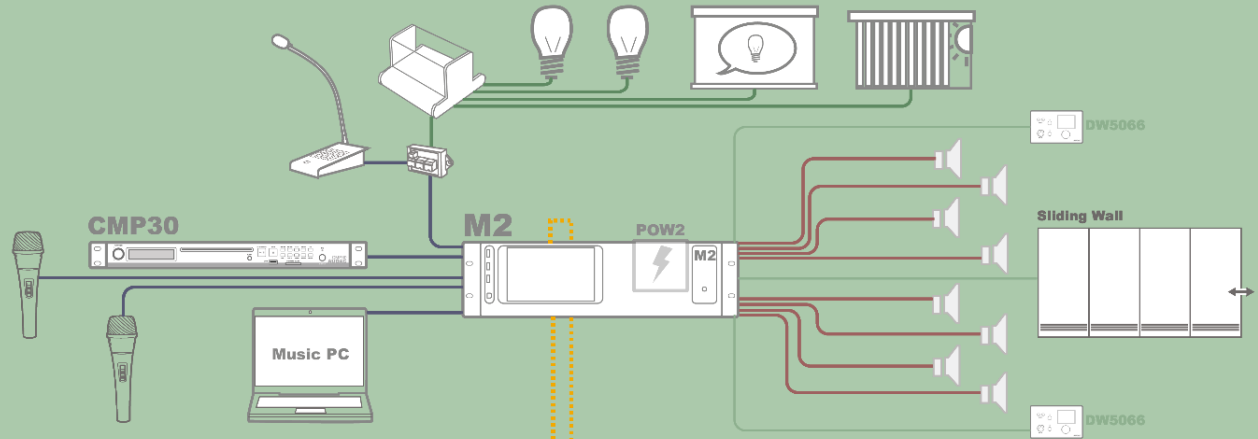
# Meeting Room



# Main Building Offices



# Meeting Room



# Main Building Offices

