

Penton UK

Product Catalogue - 2021





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Burj Al Arab  
Penton Speakers



Loudspeakers



# Ceiling Speakers - Voice Alarm



Gatwick Airport  
RCS6FT/ENC Speakers

## RCS4FT/EN (C)



4W

4/2/1/0.5/0.25W

8Ω

Steel

Fixing Springs

EN54-24

Capacitor Optional

## RCS5FT/EN (C)



6W

6/3/1.5/0.75/0.25W

8Ω

Steel

Torsion Springs

EN54-24

Capacitor Optional

## COAXIAL VERSION

RCS5FTCX/ENC

## RCS6FT/EN (C)



6W

6/3/1.5/0.75/0.25W

8Ω

Steel

Torsion Springs

EN54-24

Capacitor Optional

## COAXIAL VERSION

RCS6FTCX/ENC

## RCS8FT/ENC



10W

10/5/2.5/1.25W

8Ω

Steel

Torsion Springs

EN54-24

Capacitor

## COAXIAL VERSION

RCS8FTCX/ENC



**CRCS/6** - For RCS and PCL 5" or 6" speakers

Convert standard ceiling speakers for use in clean rooms, damp/humid atmospheres or exterior applications.



# Ceiling Speakers - Public Address



Brighton & Hove FC Stadium  
RCS Speakers

**RCS3/T**



6W

6/4/2W

8Ω

Steel

Twin Spring

Transformer Optional

**RCS4/T**



4W

4/2/1/0.5/0.25W

8Ω

Steel

Fixing Springs

Transformer Optional

**RCS5/T**



6W

6/3/1.5/0.75/0.25W

8Ω

Steel

Torsion Springs

Transformer Optional

**COAXIAL VERSION**

**RCS5/TCOAX**

**RCS6/T**



6W

6/3/1.5/0.75/0.25W

8Ω

Steel

Torsion Springs

Transformer Optional

**COAXIAL VERSION**

**RCS6/TCOAX**



**CRCS/6** - For RCS and PCL 5" or 6" speakers

Convert standard ceiling speakers for use in clean rooms, damp/humid atmospheres or exterior applications.



# Ceiling Speakers - Public Address



Athens Concert Hall  
RCS Speakers

**RCS8/T**



10W

10/5/2.5/1.25W

8Ω

Steel

Torsion Springs

Transformer Optional

**COAXIAL VERSION**

**RCS8/TCOAX**

**PCL5/T**



6W

6/3/1.5/0.75/0.25W

8Ω

Plastic

Compression Clamps

Transformer Optional

**PCL6/T**



6W

6/3/1.5/0.75/0.25W

8Ω

Plastic

Compression Clamps

Transformer Optional

**RCS5-IP**



6W

8Ω

Steel

Torsion Springs

POE

**COAXIAL VERSION**

**RCS6COAX-IP**



**CRCS/6** - For RCS and PCL 5" or 6" speakers

Convert standard ceiling speakers for use in clean rooms, damp/humid atmospheres or exterior applications.



# Cabinet Speakers - Voice Alarm

**SENTRY6ST/EN (C)**



6W

6/3/1.5/0.75/0.25W

8Ω

Steel

Screw

EN54-24

Capacitor Optional

**SENTRY6RT/ENC**



6W

6/3/1.5/0.75/0.25W

8Ω

Steel

Screw

EN54-24

Capacitor

**APC4T/ENC**



4W

4/2/1/0.5W

8Ω

Plastic

Screw

EN54-24

Capacitor

**APC6BT/ENC**



6W

6/3/1.5/0.75W

4Ω

Plastic

Screw

EN54-24

Capacitor

**PBC6T/EN (C)**



6W

6/3/1.5/0.75/0.25W

8Ω

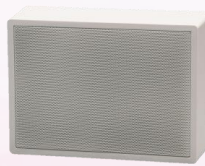
Plastic

Keyhole/Screw

EN54-24

Capacitor Optional

**PWC6T/ENC**



6W

6/3/1.5/0.75/0.25W

8Ω

Plastic

Screw

EN54-24

Capacitor

**PMC4T/ENC**



4W

4/2/1/0.5W

8Ω

Plastic

Screw

EN54-24

Capacitor



# Cabinet Speakers - Public Address

Shopping Centre, Dubai; UAE  
PBC6/T

**PBC6/T**



6W

6/3/1.5/0.75/0.25W

8Ω

Plastic

Keyhole/Screw

Transformer Optional

**PWC6/T**



6W

6/3/1.5/0.75/0.25W

8Ω

Plastic

Screw

Transformer Optional

**PMC4/T**



4W

4/2/1/0.5W

8Ω

Plastic

Screw

Transformer Optional

**JD20/T**



20W

20/10/5/2.5

16Ω

Plastic

Swivel Bracket

Transformer Optional

**PBC6-IP**



6W

8Ω

Plastic

Keyhole/Screw

**POE**

**PWC6-IP**



6W

8Ω

Plastic

Screw

**POE**





# Weatherproof Horn Speakers - Voice Alarm



Shearwater Hotel & Spa  
MSH30T/ENC

**APH10T/ENC**



10W

10/5/2.5/1.25W

8Ω

Plastic

U Bracket

EN54-24

Capacitor

IP66

**APH20T/ENC**



20W

20/10/5/2.5W

8Ω

Plastic

U Bracket

EN54-24

Capacitor

IP66

**APH30T/ENC**



30W

30/15/7.5/3.75W

8Ω

Plastic

U Bracket

EN54-24

Capacitor

IP66

**MSH20T/ENC**



20W

20/10/5/2.5/1.25W

8Ω

Metal

U Bracket

EN54-24

Capacitor

IP66

**MSH30T/ENC**



30W

30/15/7.5/3.75W

8Ω

Plastic

U Bracket

EN54-24

Capacitor

IP66

Bracketry options for all Penton horns on page 16





# Weatherproof Horn Speakers - Public Address

**PH10/T**



10W

10/5/2.5/1.25W

20Ω

Plastic

U Bracket

Transformer Optional

IP66

**PH20/T**



20W

20/10/5/2.5W

20Ω

Plastic

U Bracket

Transformer Optional

IP66

**PH30/T**



30W

30/15/7.5/3.75W

20Ω

Plastic

U Bracket

Transformer Optional

IP66

**MSH30/T**



30W

30/15/7.5/3.75W

8Ω

Plastic

U Bracket

Transformer Optional

IP66

**PH20A-24**



20W

8Ω

Plastic

U Bracket

18-30v AC or DC

Active

IP66

**APH30-IP**



30W

8Ω

Plastic

U Bracket

POE+

Network IP

IP66

**MSH30-IP**



30W

8Ω

Plastic

U Bracket

POE+

Network IP

IP66



Bracketry options for all Penton horns on page 16





## Sound Projectors – Voice Alarm



UK Railway Station  
CAD10T/ENC

### CAD10T/ENC



10W

10/5/2.5/1.25W

8Ω

Plastic

U Bracket

EN54-24

Capacitor

IP66

### CAD20T/ENC



20W

20/10/5/2.5W

8Ω

Plastic

U Bracket

EN54-24

Capacitor

IP66

### CELL10T/ENC



10W

10/5/2.5/1.25

8Ω

Metal

U Bracket

EN54-24

Capacitor

IP66

### CELL20T/EN (C)



20W

20/10/5/2.5W

8Ω

Metal

U Bracket

EN54-24

Capacitor  
Optional

IP66

### CELL10BT/ENC



20W

20/10/5/2.5W

4Ω

Metal

U Bracket

EN54-24

Capacitor

IP66

Bracketry options for  
sound projectors  
on page 16





# Sound Projectors – Public Address



**CAD10/T**



10W

10/5/2.5/1.25W

8Ω

Plastic

U Bracket

Transformer  
Optional

IP66

**CAD20/T**



20W

20/10/5/2.5W

8Ω

Plastic

U Bracket

Transformer  
Optional

IP66

**CELL10/T**



10W

10/5/2.5/1.25

8Ω

Metal

U Bracket

Transformer  
Optional

IP66

**CELL10-IP**



10W

8Ω

Metal

U Bracket

**POE+**

IP66



# Column Speakers - Voice Alarm



Heathrow Airport T5  
MCS20T/ENC

## MCS20T/ENC

20W

20/10/5/2.5W

2Ω

Metal

L Bracket

EN54-24

Capacitor



## MCS40T/ENC

40W

40/20/10/5W

8Ω

Metal

L Bracket

EN54-24

Capacitor



## MCS80T/ENC

80W

80/40/20/10W

4Ω

Metal

L Bracket

EN54-24

Capacitor



Bracketry options for  
MCS series  
on page 16





# Digital Active Column Speakers



Frankfurt Airport  
DAC Series



### DAC100

12 Loudspeakers

94dB @ 25M

### DAC300

18 Loudspeakers

94dB @ 30m

### DAC500

24 Loudspeakers

94dB @ 40m

Frequency range: 100 - 18,000Hz

93 (±1) continuous dB

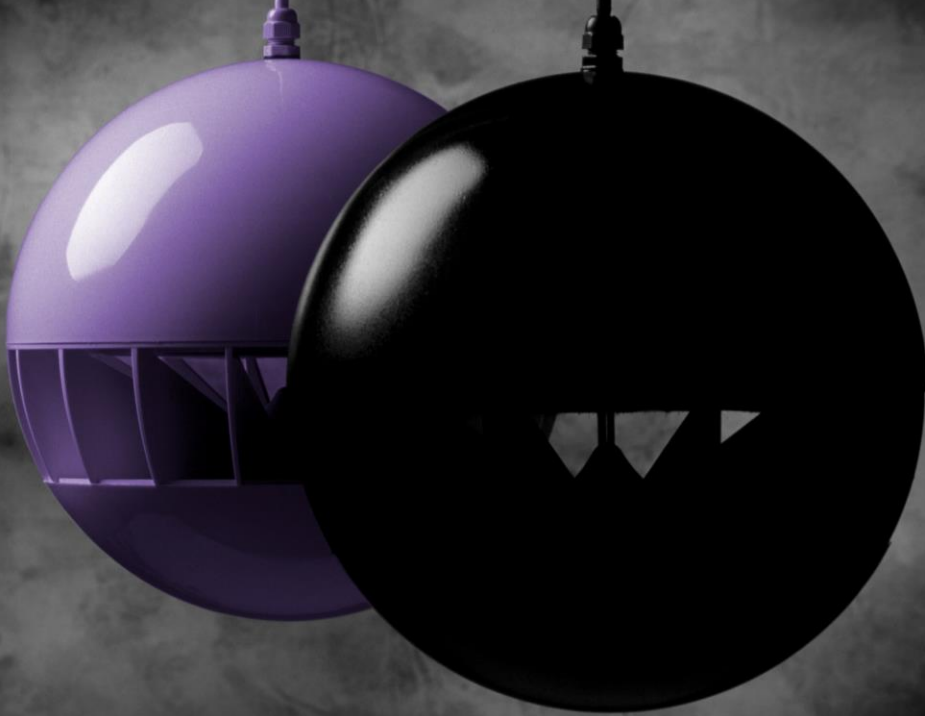
Coverage vertical: 5° - 45°

Coverage horizontal: 145°

S/N ratio: > 110dB



## Spherical Speakers



### GB20T/ENC/SV1

20W

20/10/5/2.5W

8Ω

Plastic

Pendant Hung

EN54-24

Capacitor

No cable

### GB20T/ENC

20W

20/10/5/2.5W

8Ω

Plastic

Pendant Hung

EN54-24

Capacitor

Fitted w/ 3m 4  
core LSZH cable

### GB20T/ENC/SV3

20W

20/10/5/2.5W

8Ω

Plastic

Pendant Hung

EN54-24

Capacitor

Fitted w/ 3m 5  
core PVC cable



# Loudspeaker Accessories



**PEN1093**

55-70mm

**PEN1122**

70-100mm

**PEN1120**

100-130mm

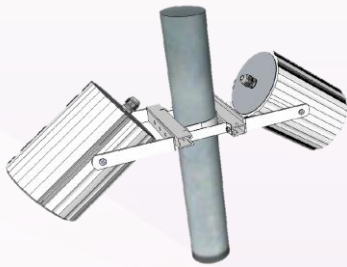
**PEN1134**

130-190mm

Pole Mount Brackets

Horn Loudspeakers: APH MHS MSH PH

Sound Projectors: CAD CELL



**PEN1182**

55-70mm

**PEN1123**

70-100mm

**PEN1119**

100-130mm

**PEN1132**

130-190mm

Back to Back Pole Mount Brackets

Horn Loudspeakers: APH MHS MSH PH

Sound Projectors: CAD CELL

**CRSC/6**



Ceiling Speaker Cover

RCS or PCL 5 or 6"

**PEN1066**



Swivel Bracket

MCS Columns

**PEN1063 / PEN1065**



Cluster Bracket

MSH Horn or  
CAD/CELL Projectors

**PEN1030**



Hanging Kit

3 Wire

**PEN1013**



Hanging Kit

2 Wire

**VCT25R**



Volume Control  
Restoration Relay

**VCT80R**



Volume Control  
Restoration Relay

**PEN1046 / PEN1048**



Junction Box  
Single or Double Gang



Electrical Charging Station, UK  
Penton Network Speakers  
Terracom IP Modules



Audio over IP



# Penton Network IP Speakers (POE)

**RCS5-IP**



6W

8Ω

Steel

Torsion Springs

POE

**RCS6COAX-IP**



6W

8Ω

Plastic

Torsion Springs

POE

**PBC6-IP**



6W

8Ω

Plastic

Keyhole/Screws

POE

**PWC6-IP**



6W

8Ω

Plastic

Screws

POE

**CELL10-IP**



6W

8Ω

Metal

U Bracket

POE

**APH30-IP**



6W

8Ω

Plastic

U Bracket

POE

**MSH30-IP**



6W

8Ω

Plastic

U Bracket

POE

**IPSM-C140**



40W

3 control inputs

1 contact output

DSP Control

POE



# IP Audio Modules

## TERRA-EX



Decoder

POE

80mb Internal Storage

Integrated Scheduler

2 balanced line outputs  
or 1 stereo line output

3 contact inputs

1 contact output

Headphone stereo line out

RS232 or USB Optional

## TERRA-EXA



Decoder

24VDC

80mb Internal Storage

Integrated Scheduler

2 x 20W amplified outputs

3 contact inputs

1 contact output

Amplified

## TERRA-IEX



Encoder/Decoder

POE

80mb Internal Storage

Integrated Scheduler

2 balanced line outputs  
or 1 stereo line output

2 mic/line balanced inputs

3 contact inputs

1 contact output

RS485 or USB Optional

## TERRA-AMP



Encoder/Decoder

POE

80mb Internal Storage

Integrated Scheduler

1 mic/line balanced input

2 balanced line outputs

2 x 15 W amplified outputs

3 contact inputs

2 relay output

1 Stereo line output

Amplified

RS232

USB

## TERRA-SAP



DSP Processor

24VDC

Integrated Scheduler

2 x 20W Class-D Amplifier

2 x XLR Mic Inputs

3 x Balanced Mic Inputs

1 x Relay Output

1 x Stereo Output

1 x Audio Output

Phantom Power

USB

Auto Echo Cancellation

DSP

Lockdown Button

## TERRA-FDX



Encoder/Decoder

POE

80mb Internal Storage

Integrated Scheduler

2 mic/line balanced inputs

2 balanced line outputs

3 contact inputs

2 contact outputs

RS232

USB

Full Duplex

Auto Echo Cancellation



# IP Audio Modules

## TERRA-FXO



Telephone Interface

POE

Integrated Scheduler

Full Duplex  
Noise Reduction  
Auto Echo Cancellation

## TERRA-DS1



Door Station

POE

Integrated Scheduler

4 contact inputs  
2 contact outputs

Full Duplex  
Noise Reduction  
Integrated Mic/Speaker

## TERRA-8IO



Contact Interface

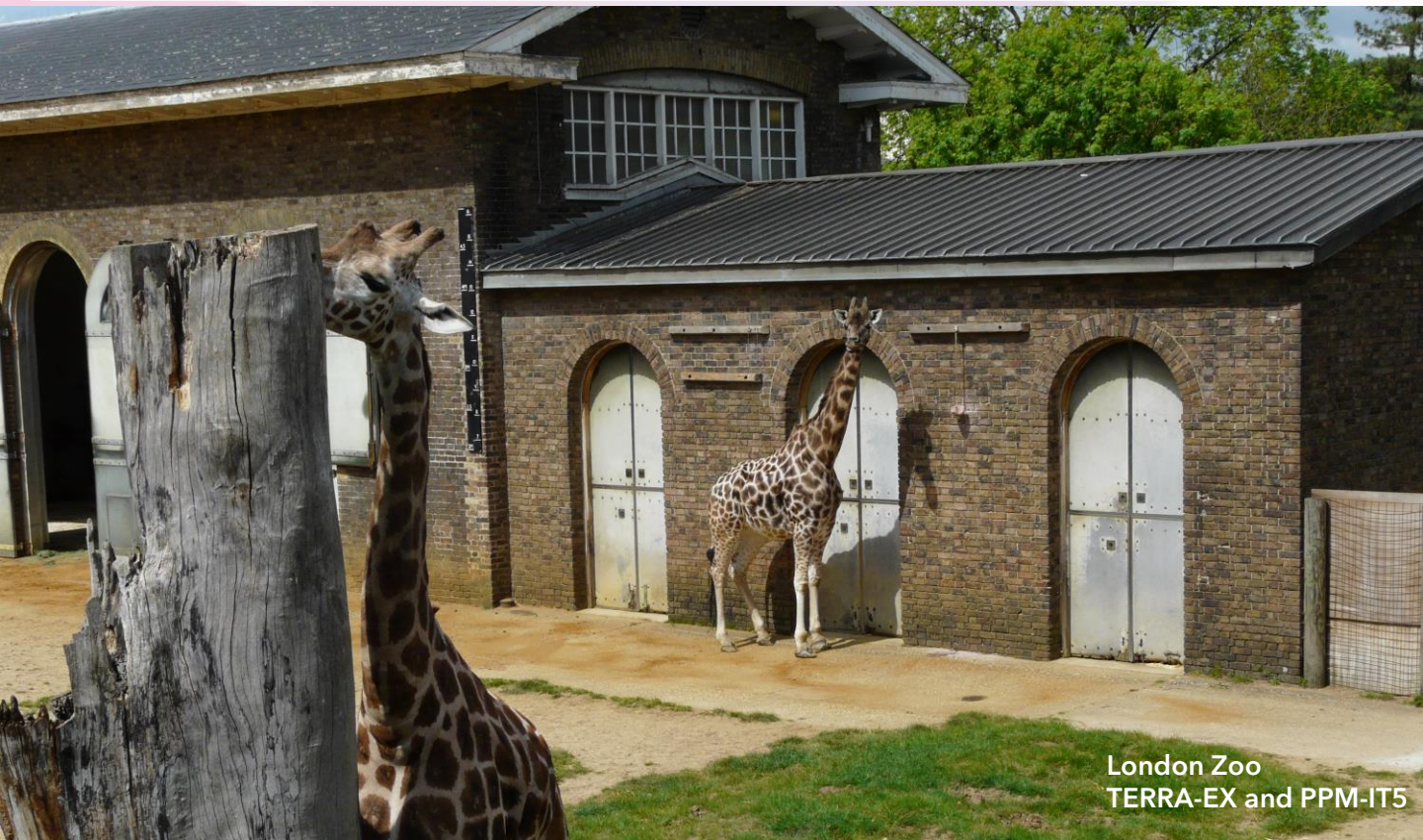
POE

80mb Internal Storage

Integrated Scheduler

8 Contact Inputs  
8 Contact Outputs

RS232





## Consoles & Accessories

**TERRA-K**



All Call  
PoE

Integrated Scheduler

Full Duplex  
Auto Gain Control  
Integrated Mic/Speaker

**PPM-IT5**



Multi Call - 168 Zones  
PoE

80mb Internal Storage

Integrated Scheduler

Full Duplex  
Auto Gain Control  
Integrated Mic/Speaker  
Echo Cancellation  
Noise Reduction

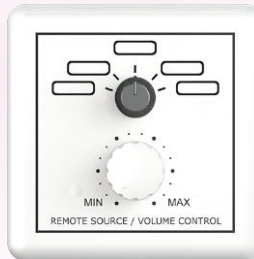
**BCM201**



Boundary Microphone

Black or White

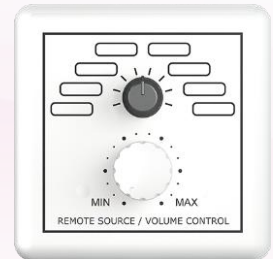
**RAC-5**



Volume Source Selector

5 Source

**RAC-8**



Volume Source Selector

8 Source



## Software GUI



### TERRAMANAGER



Customisable GUI

Paging

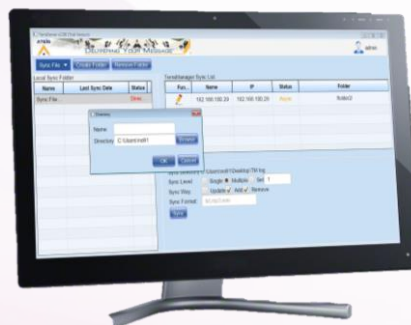
Full Duplex

Background Music Routing

Recording

Scheduling

### TERRASERVER



Multiple Users/PC's

Remote Access

Scheduling

Music/Audio Content Management

Broadcast

System Maintenance and Management

American Express Community Stadium  
Brighton & Hove Albion FC  
ATEIS IDA8 PA/VA System



Voice Alarm and Public Address



# PAVA - IDA8 Controller

**IDA8C-C1-IO**

**IDA8C-C1-2I**



1 x 4 channel input card  
1 x 4 channel output card

2 x 4 channel input card

8 audio outputs

8 audio inputs and 8 audio outputs

256 zones via Local-Net

8192 zones via Global-Net

C1 network card

EN54-16

Impedance or line monitoring

Simultaneous control and routing of 48 audio channels

Complete in-house system rack-build available





# VA/PA - IDA8 System Components

**IDA8SAB-C1**



IDA8 Secondary Unit

**SONAES 6/40A or 12/150A**



Battery Charger (24VDC)

**URC-150AS**



Remote Controller

**URC200**



Remote Controller

**NSM**



Noise Sensing Mic

**DNM**



Digital Noise Sensing Mic  
Ethernet or RS485

**URGP**



Contact Interface  
32 Alarm Inputs

**PPM-ASWJB**



Paging Console  
8 Zones

**PPM-KP**



Extension Pad  
8 Zones

**PSS-AS**



Touch Screen Mic  
168 Zones

**CD8-AS**



Wall Mounted Microphone  
8 Zone

**CD16-AS**



Wall Mounted Microphone  
16 Zone



# VA/PA - DIVA Compact System

## DIVAMG2



2 channels

(1 x paging 1 x background music)

EN54-16

A/B zone wiring

8 zones via single controller | Up to 128 zones with 15 additional secondary units

Up to 1000W per amplifier channel per unit

Complete in-house system rack-build available

### PSM-8WJB



Paging Console

8 Zones

### PPM-KP



Extension Pad

8 Zones

### PSS-G2



Touch Screen Mic

168 Zones

### SONAES 6/40A or 12/150A



Battery Charger (24VDC)



# Public Address - UAP Audio Processor

## UAP-G2



16 Channel

5 Configurations:

16 in 0 out | 0 in 16 out | 12 in 4 out | 4 in 12 out | 8 in 8 out

DSP

Scheduler

RS232

Connect 12 x UAPG2 in one system

Complete in-house system rack-build available

### NSM



Noise Sensing Mic

### PPM-8WJB



Paging Console

8 Zones

### PPM-KP



Extension Pad

8 Zones

### PPM-IT5



Touch Screen Mic

168 Zones

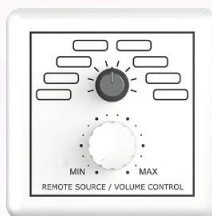
### RAC-5



Volume Source Selector

5 Source

### RAC-8



Volume Source Selector

8 Source

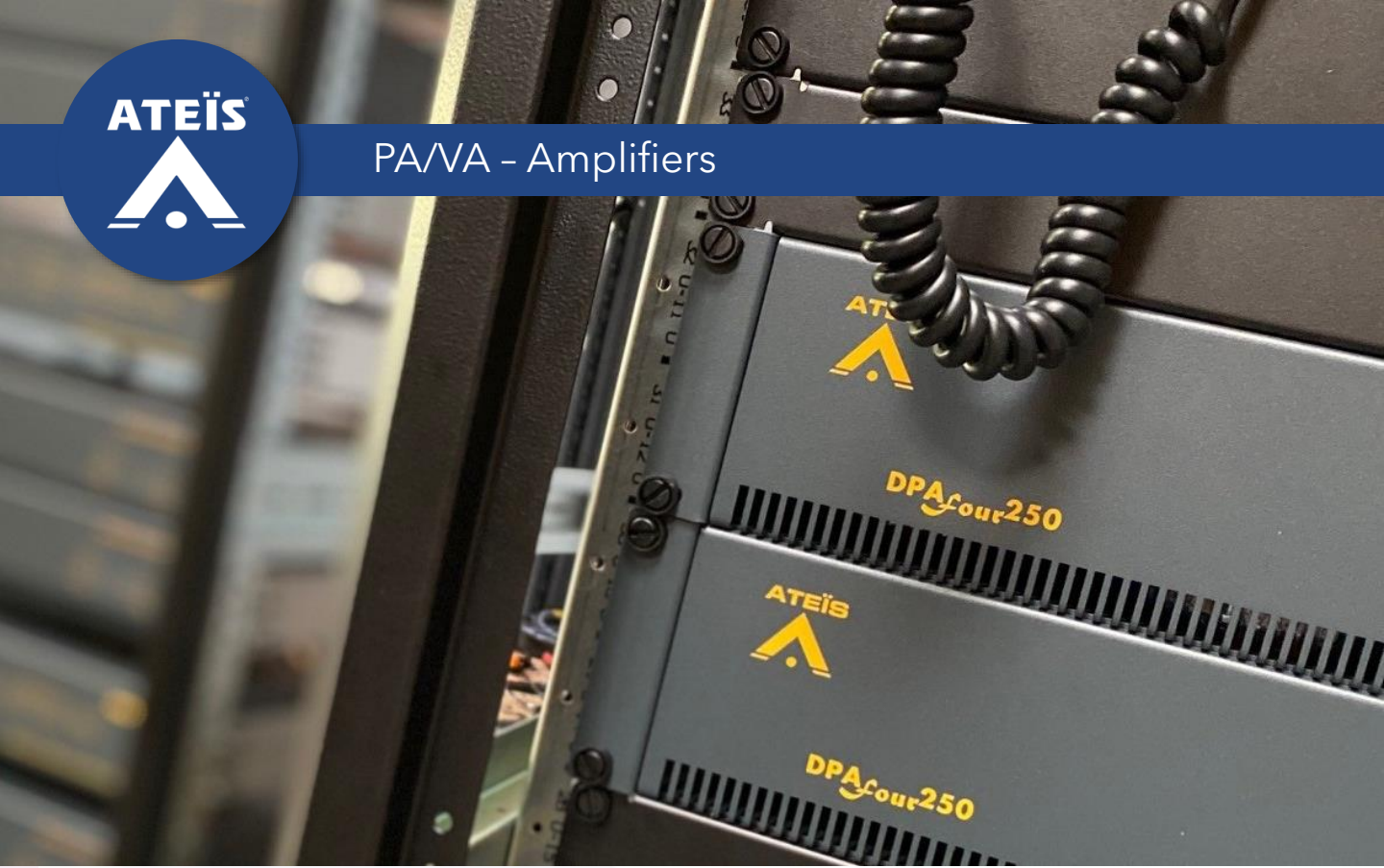
### URC200



Remote Controller



# PAVA - Amplifiers



**SPA2060**



2 x 60W

**SPA2120**



2 x 120W

EN54-16

**SPA2240**



2 x 240W

EN54-16

**DPAfour125**



4 x 125W

EN54-16

CLASS-D

**DPAfour250**



4 x 250W

EN54-16

CLASS-D

Docklands Light Railway (DLR)  
London  
Penton Speakers

Alarm

Way out →

Lift →

Way out →

Lift →



Services



## Rack Build



In-house rack build by fully qualified Penton engineers



Public Address, EN54 Voice Alarm and audio over IP (VOIP) systems



Complete with pre-programming and system test



Additional factory acceptance (FAT) and site acceptance (SAT) tests



Various size racks available including freestanding, wall mount & EN54



## Speaker Painting



London King's Cross Station  
MCS Column Speaker  
Painted Baby Blue

Bespoke colouring at your request

Confirm your choice of RAL colour

One off paint set-up cost, plus individual product prices

Lead time approximately 7-10 working days





## Commissioning & Maintenance



- ✓ Site visits attended by fully qualified Penton engineers
- ✓ Public Address, EN54/BS5839-8 Voice Alarm or audio over IP (VOIP) systems
- ✓ One-off inspection visits or maintenance contracts available
- ✓ Quarterly, bi-annual or annual appointments
- ✓ Remote support via telephone/team viewer access



### COMMISSIONING WEEKEND

Single Day - Weekend



### COMMISSIONING O/SEAS

Single Day - Overseas



### COMMISSIONING EVES

Single Day - After 6pm



### COMMISSIONING

Single Day - Onsite



### TECHSUPPORT

Remote support





## Bespoke



### **Bracketry**

Assistance with design and production of your custom bracketry requirements

### **Cabling**

Addition of cable tails in a variety of types and lengths as per request

### **Metalwork**

Assistance with design and production of your custom housing requirements

### **Modification**

Speaker conversion for variations such as low impedance, 100v and POE





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