

# **PROFESSIONAL AUDIO** GS-WAVE AND XY SERIES

## ORIGINS

Pioneer was founded in 1938 as a speaker manufacturer and we have focused on high quality sound ever since. Our consumer speakers and sub-brand TAD Labs' professional systems have delivered clear, powerful sound reproduction to generations of music lovers, theatregoers and producers all over the world.

## NATURAL PROGRESSION

Pioneer DJ professional equipment has long been the lifeblood of DJ booths in Ibiza and around the world. We decided to combine Pioneer's heritage of sound reproduction with Pioneer DJ's unrivalled expertise in the dance music industry to offer a 360-degree club solution.

#### DEVELOPMENT TEAM

#### GARY STEWART AND GARY STEWART AUDIO

We wanted to team up with a boutique sound genius to complement our R&D expertise and scale. So we established a partnership with the late, legendary Gary Stewart of Gary Stewart Audio (GSA), whose sound systems have moved clubbers all over the world for decades.

#### PIONEER'S ALEX BARRAND

Veteran sound engineer Alex Barrand led the development of the Pioneer flagship club system. Barrand's experience includes updating Ministry of Sound London's sound system in 2008, a project that won IDMA Best Club Sound System Design awards for four consecutive years.

#### POWERED BY POWERSOFT

The Pioneer Pro Audio team selected Powersoft K-Series DSP amplifiers with Armonía Pro Audio Suite™ software to power the new club system. The compact Powersoft K-Series combines industry leading energy efficiency, high power output, and advanced technologies for functionality and ease-of-use.

## **SONIC IMMERSION**

Our flagship club speaker system reproduces a sensory bass and a low to mid range that delivers a tight kick. This is balanced with a crystal clear high frequency response with wide dispersion. The result is the ultimate club speaker system, providing clubbers with a powerful, warm and immersive sound that galvanises the body to dance - without overwhelming the senses.



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# CASE STUDY: USHUAÏA, IBIZA

Ushuaïa Tower chooses a Pioneer Pro Audio sound system for its prestigious presidential suite.



Ibiza's five-star party hotel Ushuaïa Tower needed a new sound system for its opulent, state-of-the-art, *I'm On Top Of The World* presidential suite. With guests able to book international DJs to perform in the suite, it needed a club-quality sound system with a powerful, deep bass – but where guests could talk comfortably too.

Working closely with the Ushuaïa team of architects and designers, Pioneer Pro Audio created a sound system that fitted this stylish, high-tech vision and looked as good as it sounded. The resulting speaker configuration comprised four Pioneer Pro Audio XY-81 8-inch two-way PA speakers and one XY-118 reflex loaded 18-inch subwoofer. An additional 8-inch PA monitor speaker was installed in the DJ booth.

The trapezoid shape of the 8-inch speakers meant they could be mounted close to the ceiling, horizontally, to keep the clean lines of the room. The system is powered by two Powersoft K3 amplifiers with inbuilt DSP and Pioneer pre-sets loaded. Barrand used Smaart software from Rational Accoustics to time align the system perfectly to the room.

JSHVAÏA

To complement the suite's contemporary design, all the speakers were custommade in classic white and mounted using brackets provided by Pioneer Pro Audio.

"The system is fit for a club; it delivers a clean, deep sound that's comfortable and warm at the same time. DJs are very happy to play here because it is such a unique place with the best equipment, and guests have given us amazing feedback. We wanted to take guests to another dimension in terms of lifestyle and technology, and Pioneer Pro Audio have helped us achieve that."

**Danny Gomez**, brand ambassador for Ushuaïa, Palladium Hotel Group

# CASE STUDY: BOOOM! IBIZA

Booom! Ibiza specifies a bespoke Pioneer club sound system to take the island by storm.



Ibiza's hottest new club, Booom! Ibiza, was looking for a bespoke club sound system to epitomise the venue's ethos of high quality and excellent service. Booom wanted a powerful system with an immersive sound that would enable people to dance all night and hold comfortable conversations.

Having been "blown away" by the system at demonstration in Tokyo, the team commissioned Pioneer Pro Audio to design and install the system for the entire club: the dancefloor, DJ booth, bars and VIP areas.

Pioneer's Alex Barrand worked with Booom and local installers The Shop to design a bespoke sound system to deliver best-in-class sound. The team installed four three-metre-high GS-WAVE stacks in each corner of the dancefloor.



The stacks are balanced by the XY Series in-fill speakers, including four XY-122 12-inch monitors and a pair of XY-215S 15-inch quasi-bandpass subwoofers in the DJ booth. In-fill is supplied across the club by a further thirty-nine XY-122 speakers, ten XY-81 8-inch ultra compact loud speakers, and fifteen XY-118S 18-inch bass reflex subwoofers.

The whole system is powered by Powersoft K-Series amplifiers – seven K-6s, eleven K-2s and twenty-four K-3s – all with inbuilt DSP and Pioneer pre-sets.

"There are some great sound systems out there. But I actually think Pioneer have made a better one: they've brought back a warmer, bassier sound, which gives you a hug rather than slapping you in the face. It's probably the best sound system in the world."

Giuseppe Cipriani, owner, Booom! Ibiza

# **GS-WAVE SERIES**

A 3-metre high dancefloor stack with wide dispersion and a high SPL across a broad frequency range; delivers a powerful, warm sound that combines a resonant bass and tight chest kick with crystal clear high frequencies.



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## WAV-SUB Multi-fold hyperbolic horn subwoofer



#### **FEATURES**

Hyperbolic subwoofer
Dual 18 inch LF drivers
3 metre folded horn

Robust polyurethane matt finish
High SPL output
35 Hz to 300 Hz

#### **SPECIFICATION**

Enclosure Type: Frequency Response: Sensitivity (1w/1m): Nominal Impedance: Power Handling: Maximum SPL: Driver Configuration: Connectors: Dimensions (WxDxH): Weight: Enclosure: Finish:

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 Hyperbolic folded horn subwoofer

 35 Hz to 150 Hz

 108 dB

 2 × 8 Ω

 1600 W RMS, 3200 W program

 140 dB cont., 146 dB peak

 2 × 18 inch (457 mm) ferrite LF drivers

 1 × Neutrik SpeakON™ NL4MPR

 1549 × 1083 × 919 mm (61 × 42.6 × 36.2 inch)

 213 kg (469.7 lb)

 18 mm (0.7 inch) birch plywood

 Impact-resistant, black textured polyurethane









## **FEATURES**

Extension for WAV-SUBDelivers increased SPL

## **SPECIFICATION**

Enclosure Type: Sensitivity (1w/1m):	Extended horn for WAV-SUB Increased sensitivity using a pair of WAV-SUB su (producing an extra 5 dB at 50 Hz)
Dimensions (WxDxH): Weight:	2443 × 1083 × 726.5 mm (96.2 × 42.6 × 28.6 inch) 125 kg (275.6 lb)
Enclosure:	18 mm (0.7 inch) birch plywood
Finish:	Impact-resistant, black textured polyurethane



## WAV-LOW Dual 15 inch high-power upper bass box



### **FEATURES**

- Low to mid frequency enclosure
- Rear-loaded transmission line design
- 2 x high-powered 15 inch drivers
- Reproduces low, tight and responsive bass

#### **SPECIFICATION**

Enclosure Type: Frequency Response: Sensitivity (1w/1m): Nominal Impedance: Power Handling: Maximum SPL: Driver Configuration: Connectors: Dimensions (WxDxH): Weight: Enclosure: Finish:

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Back-loaded horn, Iow-mid box 50 Hz to 2 kHz 103 dB 2 x 8 Ω 1200 W RMS, 2400 W program 134 dB cont., 140 dB peak 2 x 15 inch (381 mm) ferrite LF drivers 1 x Neutrik SpeakON™ NL4MPR 1529 x 905 x 793 mm (60.2 x 35.6 x 31.2 inch) 179 kg (394.7 lb) 18 mm (0.7 inch) birch plywood Impact-resistant, black textured polyurethane







Acoustic Lens with coaxial compression drivers



#### **FEATURES**

- Mid-high to high frequency response range
- 2 x coaxial neodymium compression drivers
- Delivers a wide even dispersion
- Exclusive Pioneer horn design
- The lens array helps reduce fatigue of audience area • Easy adjustment design enables perfect alignment

#### **SPECIFICATION**

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Enclosure Type: Frequency Response: Sensitivity (1w/1m): Nominal Impedance: Power Handling:	Mid-high box with Acoustic Lens MF: 1 kHz to 6 kHz/HF: 6 kHz to 16 kHz MF: 115 dB/HF: 113 dB MF: 4 $\Omega$ /HF: 4 $\Omega$ MF: 250 W RMS, 500 W program HF: 160 W RMS, 320 W program
Maximum SPL:	MF: 139 dB cont., 145 dB peak HF: 135 dB cont., 145 dB peak
Dispersion:	$110^{\circ}H \times 50^{\circ}V$ (variable range of the lens in the vertical direction: 20°)
Driver Configuration: Connectors: Dimensions (WxDxH):	2 × 2 inch (51 mm) exit coaxial neodymium compression drivers 1 × Neutrik SpeakON™ NL4MPR Cabinet: 1153 × 573 × 515 mm (454 × 22.6 × 20.3 inch). Depth incl. the acoustic lens: 707 mm (27.8 inch)
Weight: Enclosure: Finish:	71 kg (156 lb) with the Acoustic Lens 18 mm (0.7 inch) birch plywood Impact-resistant, black textured polyurethane









707mm







### **FEATURES**

- Super tweeter pod
- Reproduces UHF from overhead
- Expands the depth of the system

### **SPECIFICATION**

Enclosure Type: Frequency Response: Sensitivity (1w/1m): Nominal Impedance: Power Handling: Maximum SPL: Dispersion: Driver Configuration: Connectors: Dimensions (WxDxH):

Weight: Enclosure:

Finish:

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100 dB 8  $\Omega$ 100 W RMS, 200 W program 120 dB cont., 126 dB peak Omnidirectional 4 × 1.5 inch (38 mm) exit ferrite compression bullet tweeters 1 × Neutrik SpeakON<sup>TM</sup> NL4MPR 226 × 201 × 226 mm (8.9 × 7.9 × 8.9 inch) not including eyebolts 10 kg (22 lb) 18 mm (0.7 inch) birch plywood Impact-resistant, black textured polyurethane

Omnidirectional tweeter array

5 kHz to 20 kHz









# **XY SERIES**

A versatile speaker system designed to deliver incredible sound quality and durability. Perfect for near-field monitoring, yet delivers high quality sound to every corner of the room.



Available in

## XY-152 15 inch two-way loudspeaker



#### 440mm 444mm $\bigcirc$ 715mm

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## FEATURES

- Two-way full range enclosure
- 15 inch neodymium LF driver
- 1.4 inch neodymium compression driver
- User rotatable waveguide
- High output and even response
- Asymmetric passive crossover network

## **SPECIFICATION**

Enclosure Type: Frequency Response: Sensitivity (1w/1m): Nominal Impedance: Power Handling: Maximum SPL: Dispersion: Driver Configuration:

Crossover: Connectors: Power Amplifier:

#### Two-way passive, reflex-loaded 98 dB 8Ω 650 W RMS, 1300 W program

15 inch (380 mm) neodymium LF cone driver, 1.4 inch (36 mm) exit neodymium HF compression driver Asymmetric internal passive crossover 2 x Neutrik SpeakON™ NL4MP

Available in black or white

Wide range of fixing options and dual cluster plates

440 × 715 × 444 mm

29 kg (63.9 lb)

(17.3 × 28.1 × 17.5 inch)

Robust multi-laminated birch ply construction

- FEATURES Available in
  - Two-way full range enclosure

Enclosure Type:

- 12 inch neodymium LF driver
- 1.4 inch neodymium compression driver

XY-122

12 inch two-way loudspeaker

- Wide dispersion 60 x 90 degree constant directivity horn
- User rotatable waveguide High output and even response

#### **SPECIFICATION**

- Asymmetric passive crossover network Robust multi-laminated birch ply construction Wide range of fixing options and dual cluster plates 35 mm polemount
  - Available in black or white

Two-way passive, reflex-loaded 70 Hz to 20 kHz	Dimensions (WxDxH):	380 × 622 × 360 mm (15 × 24.5 × 14.2 inch)	
101 dB	Weight:	23 kg (50.7 lb)	
8 Ω	Rigging and Hardware:		
400 W RMS, 800 W program	$8 \times M10$ threaded mounting points (4 top/4 bottom),		
127 dB cont., 133 dB peak	$2 \times M10$ threaded mounting points on rear,		
$90^{\circ}\text{H} \times 60^{\circ}\text{V}$ . Rotatable	$4 \times M10$ threaded mounting points on side (2 left/2 right),		
12 inch (305 mm) neodymium	$4 \times M8$ threaded points on rear (for wall mount bracket),		
LF cone driver, 1.4 inch (36 mm) exit	$1 \times$ flush handle on rear,		
neodymium HF compression driver	1 × 35 mm polemount socket		
Asymmetric internal passive crossover	Grille:	Hex punched steel	
2 × Neutrik SpeakON™ NL4MP	Enclosure:	15 mm (0.6 inch) birch plywood	
	Finish:	Impact-resistant, black semi-matt textured	

**XY SERIES** 

#### Weight: Rigging and Hardware: 3 × M10 threaded mounting points on rear,

2 × flush handles (1 left/1 right), Grille: Enclosure: Finish: Accessories:

Flush handles

35 mm polemount

Dimensions (WxDxH):

 $8 \times M10$  threaded mounting points (4 top/4 bottom), 4 × M10 threaded mounting points on side (2 left/2 right),  $4 \times M8$  threaded points on rear (for wall mount bracket),

Hex punched steel Polemount socket cover (-W model only) Frequency Response: Sensitivity (1w/1m): Nominal Impedance: 8Ω Power Handling: Maximum SPL: Dispersion: Driver Configuration: Crossover: Connectors:



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#### **XY Series** | Compact club speakers

## I XY-101 10 inch two-way loudspeaker





292mm 280mm ø 508mm Anner

#### **FEATURES**

#### Two-way full range enclosure

- 10 inch LF neodymium driver
- 1 inch neodymium compression driver
- Wide dispersion 60 x 90 degree constant directivity horn

8Ω

- User rotatable waveguide
- High output for its compact size

#### **SPECIFICATION**

Enclosure Type: Frequency Response: Sensitivity (1w/1m): Nominal Impedance: Power Handling: Maximum SPL: Dispersion: Driver Configuration:

Crossover: Connectors: Power Amplifier:

**XY SERIES** 

#### Two-way passive, reflex-loaded 94 dB 400 W RMS, 800 W program 8 × M8 threaded mounting points (4 top/4 bottom),

120 dB cont., 126 dB peak  $90^{\circ}\text{H} \times 60^{\circ}\text{V}$ , Rotatable LF cone driver, 1 inch (25 mm) exit neodymium HF compression driver Asymmetric internal passive crossover 2 x Neutrik SpeakON™ NL4 Minimum: M30DHDSP

#### Asymmetric passive crossover network

14 kg (30.9 lb)

- Robust multi-laminated birch ply construction
- Wide range of fixing options
- 35 mm polemount
- Available in black or white

Dimensions (WxDxH):

Rigging and Hardware:

Weight:

## **FEATURES**

- Two-way full range enclosure
- 10 inch LF neodymium driver

I XY-81

8 inch two-way full-range loudspeaker

- 1 inch neodymium compression driver
- Wide dispersion 60 x 90 constant directivity horn
- User rotatable waveguide
- High output for its compact size

### **SPECIFICATION**

Available in

- Robust multi-laminated birch ply-construction
- Wide range of fixing options
- 35 mm polemount
- Available in black or white
- Two-way passive, reflex-loaded Dimensions (WxDxH): Weight: Rigging and Hardware: 8 × M8 threaded mounting points (4 top/4 bottom), 350 W RMS, 700 W program 1 × M8 threaded mounting points on rear, 4 × M6 threaded points on rear (for wall mount bracket), 1 x flush handle on rear, 8 inch (203 mm) ferrite LF cone driver. 1 inch (25 mm) exit neodymium HF Grille: Enclosure: Asymmetric internal passive crossover Finish: Impact-resistant, black semi-matt textured

3 × M8 threaded mounting points on rear,				
4 × M8 threaded mounting points on side (2				
4 × M6 threaded points on rear (for wall more				
1 × flush handle on rear	r,			
1 × 35 mm polemount	socket			
Grille:	Hex punched stee			
Enclosure:	15 mm (0.6 inch) t			
Finish:	Impact-resistant, bla			
Accessories:	Polemount socket of			

Polemount socket cover (-W model only)

Available in

Enclosure Type: Frequency Response: Sensitivity (1w/1m): Nominal Impedance: 8Ω Power Handling: 116 dB cont., 122 dB peak Maximum SPL: Dispersion: 90°H × 60°V, Rotatable Driver Configuration: compression driver Crossover: Connectors:

		462mm	
	(Same)		
•	Asymmetric		

## I XY-218S

Reflex-loaded subwoofer with twin 18 inch drivers







### **FEATURES**

- High-power bass reflex subwoofer
- 2 x 18 inch LF drivers
- Highly rigid construction

Available in

8 x flush handles and castor location points Available in black or white



Bass reflex 18 inch subwoofer

**I XY-118S** 





Available in

- 4 x flush handles and castor location points
- M20 threaded polemount

#### Available in black or white

### **SPECIFICATION**

Enclosure Type: Frequency Response: Sensitivity (1w/1m): Nominal Impedance: Power Handling: Maximum SPL: Driver Configuration: Connectors: Power Amplifier:

#### Dual driver, reflex-loaded subwoofer 102 dB (half space)

4 Ω 1600 W RMS, 3200 W program 134 dB cont., 140 dB peak 2 x 18 inch (460 mm) LF cone drivers 2 x Neutrik SpeakON™ NL4 Recommended: K6DSP

Dimensions (WxDxH): (45.8 × 22 × 29.3 inch)

#### Rigging and Hardware:

Weight:

 $8 \times$  rubber feet (bottom and left) and  $4 \times$  mating recesses (top),  $16 \times M8$  holes with pre-inserted bolts for  $4 \times castors$  on rear Hex punched steel Grille: Enclosure: Finish<sup>.</sup>

## **SPECIFICATION**

High-power bass reflex subwoofer

**FEATURES** 

• 18 inch LF driver

Highly rigid construction

Enclosure Type: Frequency Response: Sensitivity (1w/1m): 97 dB Nominal Impedance: 8Ω Power Handling: 127 dB cont., 133 dB peak Maximum SPL: Driver Configuration: 2 × Neutrik SpeakON™ NL4MP Connectors: Dimensions (WxDxH):

# 18 inch (457 mm) ferrite LF cone driver

- Weight: 52 kg (114.7 lb) Rigging and Hardware: 4 × flush handles (2 left/2 right),
- $4 \times$  rubber feet (bottom) and  $4 \times$  mating recesses (top), 16 × M10 threaded points for 4 × castors on rear Grille: Enclosure: 18 mm (0.7 inch) birch plywood
- Finish:



8 x flush handles (4 left/4 right),

# I XY-215S

Quasi-bandpass subwoofer with twin 15 inch drivers









#### **FEATURES**

Quasi-bandpass subwoofer

- 2 x 15 inch LF drivers
- Highly rigid construction

- Available in
- 4 x flush handles and castor location points
- 2 x M20 thread polemounts
- Available in black or white





Available in

- Flush handles and castor location points
  - M20 threaded polemount Available in black or white

## **SPECIFICATION**

Enclosure Type: Frequency Response: Sensitivity (1w/1m): Nominal Impedance: Power Handling: Maximum SPL: Driver Configuration: Connectors: Dimensions (WxDxH):

Dual driver, guasi-bandpass subwoofer 42 Hz to 160 Hz 102 dB 4Ω 800 W RMS, 1600 W program 131 dB cont., 137 dB peak 2 × Neutrik SpeakON™ NL4MP 831 x 526 x 700 mm

#### Weight: 71 kg (156.6 lb)

Rigging and Hardware:

4 x flush handles.

2 × M20 polemount sockets for mid/high enclosures,  $8 \times$  rubber feet (bottom and left) and  $4 \times$  mating recesses (top),  $16 \times M10$  threaded points for 4 x castors on rear Grille: Enclosure: 18 mm (0.7 inch) birch plywood

Finish:

## **SPECIFICATION**

**FEATURES** 

High-power subwoofer

Highly rigid construction

15 inch LF driver

Enclosure Type:

Power Handling:

Maximum SPL:

Power Amplifier:

Connectors:

Single driver, reflex-loaded subwoofer Frequency Response: 45 Hz to 150 Hz Sensitivity (1w/1m): 96 dB (half space) Nominal Impedance: 8Ω 700 W RMS, 1400 W program 124 dB cont., 130 dB peak 15 inch (380 mm) neodymium LF cone driver Driver Configuration: 2 × Neutrik SpeakON<sup>™</sup> NL4 Recommended: K3DSP Dimensions (WxDxH): 472 × 466 × 510 mm

#### Weight: 30 kg (66.1 lb) Rigging and Hardware: 1 x M20 polemount socket for mid/high enclosures, 4 x rubber feet (bottom) and 4 x mating recesses (top) Grille: Hex punched steel Enclosure: 15 mm (0.6 inch) birch plywood Finish: Impact-resistant, black semi-matt textured Accessories: Polemount socket cover (-W model only)

#### **XY SERIES**

# **BRACKETS & MOUNTS**

A selection of accessories for ease of installation and transportation



	VERTICAL FLYING CRADLE	HORIZONTAL FLYING CRADLE	VARIABLE ANGLE BRACKET	DUAL ENCLOSURE FLYING PLATE
XY-81	CP-XY8VC1	CP-XY8HC1	(N/A)	(N/A)
XY-101	CP-XY10VC1	CP-XY10HC1	(N/A)	(N/A)
XY-122	CP-XY12VC1	CP-XY12HC1	CP-XY12AB1	CP-XY12DF1
XY-152	CP-XY15VC1	CP-XY15HC1	CP-XY15AB1	CP-XY15DF1



## **XY CASTOR SET**

Heavy-duty castors with excellent traction and stability.









Specification and design are subject to change without notice. Due to colour reproduction in printing, the product colour may differ from the brochure.

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