

Acoustic Density Product Catalog

# embrace the sound



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Bringing spaces to life with Audio, Engineering and Design



## About Us

We are a company that manufactures professional sound equipments with an innovative design that offers a visual and audio experience different from what is currently on the market.

Acoustic Density is based in Cluj-Napoca, Transylvania (Romania), and was founded in the autumn of 2008 with a desire to provide customers different audio systems, capable of producing not only a balanced and clear sound, but also to be able to integrate by shape and colour in the desired spaces.

Our passion for music combined with our skills in computer science and sound engineering have enabled us to develop products with attitude and style, but also to be able to provide the best solution in terms of quality and design to our projects.

Acoustic Density offers various high performance audio equipments to both professionals and amateurs, each one being a unique project resulted from a need encountered during the evolution of our company. All our products are the result of cutting edge technology carefully guided by a team of passion driven technicians, with an innovative design, having shapes that would prevent the formation of standing waves. Each product is tested and retested in order to provide the best sound, in any circumstances.

Our mission is to get the perfect sound in the perfect shape and to redefine people's perception of professional sound systems. We are looking for that natural, clean and clear sound that can dazzle even the most demanding ear. We focus on creativity, innovation, quality, and are aware that passion and boundless thinking are essential for development.



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## Jet Engine Series

# The power of the perfect sound

by Acoustic Density

*Signature series for large venues and clubs.  
Suitable for both live and mastered music.*

### **Features:**

Great performance sound, curved wood enclosure for high quality frequency response, reinforced with internal “Bracing” specially designed to eliminate resonance and sound coloration.



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Jet Engine Series

J212



## SPECIFICATIONS

Power AES/Program/Peak	<b>600W / 1200W / 2400W</b>
Max Output Level	<b>136.7 dBL</b>
Speakers Configuration	<b>LF: 2 x 12" / HF: 1"</b>
Frequency Range	<b>44 - 20.000 Hz</b>
Dimensions	<b>W 1200 / D 610 / H 425</b>
Weight	<b>31Kg</b>
Product Type	<b>Bi-Amp / Passive</b>
Connection Type	<b>Speakon®</b>
Enclosure	<b>Birch Plywood</b>

## OPTIONS

Speaker Type	<b>Mid / High</b>
Impedance	<b>4   16 Ω</b>
Color	<b>Black</b>
Orientation	<b>Landscape</b>



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## C Series

*The C Series reproduce a great sound for both live & mastered music. These products are designed for clubs, pubs and event halls.*

### **Features:**

The speakers have a short throw and a wide dispersion. Multi-use enclosure, particularly suitable for permanent, high quality installations in clubs and theatres, ideal for use along with Acoustic Density subwoofers, for further extension on the bottom end. The speakers can be oriented both portrait and landscape to change the pattern of dispersion in the high frequencies.



## SPECIFICATIONS

Power AES/Program/Peak	<b>500W / 1000W / 2000W</b>
Max Output Level	<b>125.8 dBL</b>
Speakers Configuration	<b>LF: 12" / HF: 1"</b>
Frequency Range	<b>51 - 20.000 Hz</b>
Dimensions	<b>W 700 / D 410 / H 390</b>
Weight	<b>17.2 Kg</b>
Connection Type	<b>Speakon®</b>
Enclosure	<b>Birch Plywood</b>

## OPTIONS

Speaker Type	<b>Mid / High</b>
Impedance	<b>8 Ω</b>
Color	<b>Black / White</b>
Orientation	<b>Landscape</b>



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C Series

C10

## OPTIONS

Speaker Type	Mid / High
Impedance	8 $\Omega$
Color	Black / White
Orientation	Landscape



## SPECIFICATIONS

Power AES/Program/Peak	300W / 600W / 1200W
Max Output Level	122.3 dBL
Speakers Configuration	LF: 10" / HF: 1"
Frequency Range	59 - 20.000 Hz
Dimensions	W 610 / D 350 / H360
Weight	11.6 Kg
Connection Type	Speakon®
Enclosure	Birch Plywood





## X Series



*Designed for small bands, public address, but also in small clubs and venues. Used in live applications and recorded music.*

### **Features:**

Wide range loudspeaker, two way system with high quality passive crossover. Attractive design with flying hardware to meet a wide range of mounting and flying requirements for fixed and mobile application.



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**X Series**

# X12 / X10

## SPECIFICATIONS X10

Power AES/Program/Peak	<b>150W / 300W / 600W</b>
Max Output Level	<b>120.8 dBL</b>
Speakers Configuration	<b>LF: 10" / HF: 1"</b>
Frequency Range	<b>55 - 20.000 Hz</b>
Dimensions	<b>W 380 / D 370 / H 600</b>
Weight	<b>17.2 Kg</b>
Connection Type	<b>Speakon®</b>
Enclosure	<b>Birch Plywood</b>



## OPTIONS

Speaker Type	<b>Mid / High</b>
Impedance	<b>8 Ω</b>
Color	<b>Black / White</b>
Orientation	<b>Portrait</b>

## SPECIFICATIONS X12

Power AES/Program/Peak	<b>500W / 1000W / 2000W</b>
Max Output Level	<b>124.6 dBL</b>
Speakers Configuration	<b>LF: 12" / HF: 1"</b>
Frequency Range	<b>53 - 20.000 Hz</b>
Dimensions	<b>W 430 / D 420 / H 650</b>
Weight	<b>19.4 Kg</b>
Connection Type	<b>Speakon®</b>
Enclosure	<b>Birch Plywood</b>

## Profile Series

*Designed for lounge, bars, music-caffes, pubs,  
theaters, conference rooms, stores,  
shopping centers, malls and restaurants.*

# P1.3L

## Profile Series



## OPTIONS

Speaker Type	<b>FullRange / Mid-High</b>
Impedance	<b>8 Ω</b>
Color	<b>Black / White</b>
Orientation	<b>Portrait</b>

## SPECIFICATIONS

Power AES/Program/Peak	<b>20W / 40W / 80W</b>
Max Output Level	<b>100.4 dBL</b>
Speakers Configuration	<b>3" full range driver</b>
Frequency Range	<b>112 - 20.000 Hz</b>
Dimensions	<b>W 135 / D 120 / H 110</b>
Weight	<b>0.65 Kg</b>
Connection Type	<b>Wire</b>
Material 1	<b>MDF</b>
Material 2	<b>PVC</b>



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Profile Series

P2.3L



## OPTIONS

Speaker Type **FullRange / Mid-High**  
 Impedance **4 | 16 Ω**  
 Color **Black / White**  
 Orientation **Landscape / Portrait**

## SPECIFICATIONS

Power AES/Program/Peak	<b>40W / 80W / 120W</b>
Max Output Level	<b>100.4 dBL</b>
Speakers Configuration	<b>2x3" full range driver</b>
Frequency Range	<b>112 - 20.000 Hz</b>
Dimensions	<b>W 149 / D 110 / H 300</b>
Weight	<b>1.7 Kg</b>
Connection Type	<b>Wire</b>
Material 1	<b>MDF</b>
Material 2	<b>PVC</b>



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# P2.3F

## Profile Series



## SPECIFICATIONS

Power AES/Program/Peak	<b>40W / 80W / 160W</b>
Max Output Level	<b>104.0 dBL</b>
Speakers Configuration	<b>2 x 3" full range driver</b>
Frequency Range	<b>78 - 20.000 Hz</b>
Dimensions	<b>W 120 / D 300 / H 140</b>
Weight	<b>1.58 Kg</b>
Connection Type	<b>Wire</b>
Enclosure	<b>PVC-U</b>

## OPTIONS

Speaker Type	<b>FullRange   Mid/High</b>
Impedance	<b>4   16 Ω</b>
Color	<b>Black / White</b>
Orientation	<b>Landscape / Portrait</b>



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# P2.3C

## Profile Series



## OPTIONS

Speaker Type	<b>FullRange   Mid-High</b>
Impedance	<b>4   16 <math>\Omega</math></b>
Color	<b>Black / White</b>
Orientation	<b>Ceiling Mount</b>
Accessories	<b><i>Ceiling frame &amp; mount *optional</i></b>

## SPECIFICATIONS

Power AES/Program/Peak	<b>40W / 80W / 160W</b>
Max Output Level	<b>109.3 dBL</b>
Speakers Configuration	<b>2 x 3" full range driver</b>
Frequency Range	<b>100 - 20.000 Hz</b>
Dimensions	<b>D 315 / H 85</b>
Weight	<b>3.12 Kg</b>
Connection Type	<b>Push Terminal 10mm</b>
Material 1	<b>MDF</b>
Material 2	<b>PVC</b>





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Profile Series

P4.3L



## OPTIONS

Speaker Type **FullRange | Mid-High**  
Impedance **8 | 32  $\Omega$**   
Color **Black / White**  
Orientation **Landscape / Portrait**

## SPECIFICATIONS

Power AES/Program/Peak	<b>80W / 160W / 320W</b>
Max Output Level	<b>113.6 dBL</b>
Speakers Configuration	<b>4 x 3" full range driver</b>
Frequency Range	<b>100 - 20.000 Hz</b>
Dimensions	<b>W 120 / D 550 / H 165</b>
Weight	<b>3 Kg</b>
Connection Type	<b>Wire</b>
Material 1	<b>MDF</b>
Material 2	<b>PVC</b>



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Profile Series

P4.3F



## SPECIFICATIONS

Power AES/Program/Peak	<b>80W / 160W / 320W</b>
Max Output Level	<b>113.6 dBL</b>
Speakers Configuration	<b>4 x 3" full range driver</b>
Frequency Range	<b>75 - 20.000 Hz</b>
Dimensions	<b>W 120 / D 550 / H 165</b>
Weight	<b>3.1 Kg</b>
Connection Type	<b>Wire</b>
Enclosure	<b>PVC-U</b>

## OPTIONS

Speaker Type	<b>FullRange   Mid/High</b>
Impedance	<b>8   32 Ω</b>
Color	<b>Black / White</b>
Orientation	<b>Landscape / Portrait</b>



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Profile Series

P4.3C



## OPTIONS

Speaker Type	<b>FullRange   Mid/High</b>
Impedance	<b>8   32 <math>\Omega</math></b>
Color	<b>Black / White</b>
Orientation	<b>Ceiling Mount</b>
Accessories	<b><i>Ceiling frame &amp; mount *optional</i></b>

## SPECIFICATIONS

Power AES/Program/Peak	<b>80W / 160W / 320W</b>
Max Output Level	<b>112.5 dBL</b>
Speakers Configuration	<b>4 x 3" full range driver</b>
Frequency Range	<b>64 - 20.000 Hz</b>
Dimensions	<b>D 320 / H 150</b>
Weight	<b>3.6 Kg</b>
Connection Type	<b>Push Terminal 10mm</b>
Material 1	<b>MDF</b>
Material 2	<b>PVC</b>



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## Profile Series

*Designed for lounge, bars, music-caffes, pubs,  
theaters, conference rooms, stores,  
shopping centers, malls and restaurants.*



# P4.3S

## Profile Series



## SPECIFICATIONS

Power AES/Program/Peak	<b>80W / 160W / 320W</b>
Max Output Level	<b>114.9 dBL</b>
Speakers Configuration	<b>4 x 3" full range driver</b>
Frequency Range	<b>90 - 20.000 Hz</b>
Dimensions	<b>W 360 / D 350 / H 75</b>
Weight	<b>3.66 Kg</b>
Connection Type	<b>Push Terminal 10mm</b>
Material 1	<b>MDF</b>
Material 2	<b>PVC</b>

## OPTIONS

Speaker Type	<b>FullRange   Mid/High</b>
Impedance	<b>8   32 Ω</b>
Color	<b>Black / White</b>
Orientation	<b>Portrait</b>



## Bass Series

*Low frequency loudspeakers*

### Features:

Loudspeaker systems suitable for high SPL reinforcement of low frequency. Crafted with curved wood for a diverse range of applications and spaces.



# B10C

## Bass Series



## SPECIFICATIONS

Power AES/Program/Peak	<b>300W / 600W / 1200W</b>
Max Output Level	<b>117.5 dBL</b>
Speakers Configuration	<b>LF 10" bass driver</b>
Frequency Range	<b>40 - 130 Hz</b>
Dimensions	<b>D 320 / H 400 mm</b>
Weight	<b>12 Kg</b>
Connection Type	<b>Push Terminal 18mm</b>
Material 1	<b>Birch Plywood</b>
Material 2	<b>PVC</b>

## OPTIONS

Speaker Type	<b>Bass</b>
Impedance	<b>8 Ω</b>
Color	<b>Black / White</b>
Orientation	<b>Ceiling Mount</b>
Accessories	<b>Floor Stand *optional</b>



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## Bass Series

# B12/B12A

## SPECIFICATIONS B12A

Power AES/Program/Peak	<b>300W / 600W / 1200W</b>
Max Output Level	<b>122.4 dBL</b>
Speakers Configuration	<b>LF 12" bass driver</b>
Frequency Range	<b>43 - 150 Hz</b>
Dimensions	<b>W 650 / D 400 / H 400</b>
Weight	<b>21 Kg</b>
Connection Type	<b>Balanced XLR</b>
Material 1	<b>Birch Plywood</b>
Material 2	<b>Laminated MDF</b>

## OPTIONS

Speaker Type	<b>Bass</b>
Power	<b>Integrated class D amplifier</b>
Color	<b>Black / White</b>
Orientation	<b>Floor Standing</b>



Powersoft D-Cell504 IS Amp



## OPTIONS

Speaker Type	<b>Bass</b>
Impedance	<b>8 Ω</b>
Color	<b>Black / White</b>
Orientation	<b>Floor Standing</b>

## SPECIFICATIONS B12

Power AES/Program/Peak	<b>300W / 600W / 1200W</b>
Max Output Level	<b>122.4 dBL</b>
Speakers Configuration	<b>LF 12" bass driver</b>
Frequency Range	<b>43 - 150 Hz</b>
Dimensions	<b>W 650 / D 400 / H 400</b>
Weight	<b>20 Kg</b>
Connection Type	<b>Speakon®</b>
Material 1	<b>Birch Plywood</b>
Material 2	<b>Laminated MDF</b>





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# B15

## Bass Series



## OPTIONS

Speaker Type **SubWoofer**  
Impedance **8 Ω**  
Color **Black / White**  
Orientation **Floor Standing (Stackable)**  
*\*Ceiling Mount Version (optional)*

## SPECIFICATIONS

Power AES/Program/Peak	<b>500W / 1000W / 2000W</b>
Max Output Level	<b>125.6 dBL</b>
Speakers Configuration	<b>LF 15" bass driver</b>
Frequency Range	<b>43 - 150 Hz</b>
Dimensions	<b>W 500 / D 500 / H 575</b>
Weight	<b>22 Kg</b>
Connection Type	<b>Speakon®</b>
Material 1	<b>Birch Plywood</b>
Material 2	<b>Laminated MDF</b>



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Bass Series

SW415



## SPECIFICATIONS

Max Output Level	<b>138 dBL</b>
Speakers Configuration	<b>LF 4 x 15" bass driver</b>
Power AES/Program/Peak	<b>2x1400W / 2x2800W / 2x5600W</b>
Frequency Range	<b>35 - 150 Hz</b>
Dimensions	<b>W 1000 / D 633 / H 1000</b>
Weight	<b>103.6 Kg</b>
Connection Type	<b>2x Speakon®</b>
Enclosure	<b>Birch Plywood</b>

## OPTIONS

Speaker Type	<b>SubWoofer</b>
Impedance	<b>2x4 Ω</b>
Color	<b>Black / White</b>
Orientation	<b>Floor Standing (Stackable)</b>



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# SW18

## Bass Series



## OPTIONS

Speaker Type	<b>SubWoofer</b>
Impedance	<b>8 <math>\Omega</math></b>
Color	<b>Black / White</b>
Orientation	<b>Floor Standing (Stackable)</b>

## SPECIFICATIONS

Power AES/Program/Peak	<b>1500W/3000W/6000W</b>
Max Output Level	<b>128.3 dBL</b>
Speakers Configuration	<b>LF 18" bass driver</b>
Frequency Range	<b>27 - 80 Hz</b>
Dimensions	<b>W 845 / D 700 / H 700 mm</b>
Weight	<b>65 Kg</b>
Connection Type	<b>Speakon®</b>
Material 1	<b>Birch Plywood</b>
Material 2	<b>Laminated MDF</b>



## LA Series

*Full range line array systems designed for arenas, concert halls, theaters, houses of worship, sport venues*



### **Features:**

Powerful sound reinforcement systems that provide clarity, SPL and coverage control over a defined area with maximum dynamic impact and efficiency. Their directional properties recommend them for a truly successful delivery of sound to the audience, regardless of venue.



## LA Series

# SPECIFICATIONS L204

## OPTIONS

Speaker Type	<b>FullRange   Mid/High</b>
Impedance	<b>16 Ω</b>
Color	<b>Black / White</b>
Orientation	<b>Landscape</b>

Power AES/Program/Peak	<b>60W/120W/240W</b>
Max Output Level	<b>110.5 dBL</b>
Speakers Configuration	<b>2 x 4" full range driver</b>
Frequency Range	<b>72 - 20.000 Hz</b>
Dimensions	<b>W 600 / D 265 / H 150 mm</b>
Weight	<b>4.3 Kg</b>
Connection Type	<b>Speakon®</b>
Material 1	<b>MDF</b>
Material 2	<b>PVC</b>



## OPTIONS

Speaker Type	<b>Bass</b>
Impedance	<b>8 Ω</b>
Color	<b>Black / White</b>
Orientation	<b>Landscape</b>

# SPECIFICATIONS L110B

Power AES/Program/Peak	<b>300W / 600W / 1200W</b>
Max Output Level	<b>114.5 dBL</b>
Speakers Configuration	<b>LF 10" driver</b>
Frequency Range	<b>48-200Hz</b>
Dimensions	<b>W 600, D 465, H 310</b>
Weight	<b>17 Kg</b>
Connection Type	<b>Speakon®</b>
Material 1	<b>MDF</b>
Material 2	<b>Laminated MDF</b>

## Accessories



*Individually matched accessories to our audio systems (racks, stands, cables etc.)*

Practical yet elegant solutions that make it possible to bring the ACD creations to life unleashing their acoustic and visual potential. The perfect complements to our systems.

# octomic

## Microphone stand

Unique, Modern, Innovative



### Minimum microphone diameter

The maximum diameter of the microphones to be placed on the OctoMic microphone stand is 45 mm. Wired microphones or wireless microphones

### Recommended accessories

Microphone stand with base and  $\frac{3}{8}$ " thread

### Materials

The Octomic microphone stand is crafted out of MDF fiberboard with cork and copper inserts.



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## Voice Chamber



## SPECIFICATIONS

- Dimensions: W600 x D850 x H540
- Weight: 13 kg





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octosplit

Audio Splitter



## SPECIFICATIONS

Inputs	2 x 1 Balanced XLR
Outputs	2 x 4 Balanced XLR
Operation	Passive
Dimensions	W 120 / D225 / H40
Weight	1kg

*\*included rack mounting faceplate*



## 6U Rack

### SPECIFICATIONS



<b>Dimensions</b>	(W x D x H): 526 x 650 x 231 mm
<b>Weight</b>	12.5 kg
<b>Material</b>	Birch Plywood
<b>Color</b>	black / white

- 19" Aluminium rack rails
- Front door with lock
- Open back
- Accessories- Cage Nuts and Screws \*optional

## 10U Rack

### SPECIFICATIONS



<b>Dimensions</b>	(W x D x H): 526 x 650 x 478 mm
<b>Weight</b>	15.7 kg
<b>Material</b>	Birch Plywood
<b>Color</b>	black / white

- 19" Aluminium rack rails
- Front door with lock
- Rubber feet
- Open back
- Accessories- Cage Nuts and Screws \*optional



## 12U Rack

### SPECIFICATIONS



<b>Dimensions</b>	(W x D x H): 526 x 650 x 601 mm
<b>Weight</b>	17.3 kg
<b>Material</b>	Birch Plywood
<b>Color</b>	black / white

- 19" Aluminium rack rails
- Front door with lock
- Rubber feet
- Open back
- Accessories- Cage Nuts and Screws \*optional

## 14U Rack

### SPECIFICATIONS



<b>Dimensions</b>	(W x D x H): 526 x 650 x 685 mm
<b>Weight</b>	18.9 kg
<b>Material</b>	Birch Plywood
<b>Color</b>	black / white

- 19" Aluminium rack rails
- Front door with lock
- Rubber feet
- Open back
- Accessories- Cage Nuts and Screws \*optional



## 16U Rack

### SPECIFICATIONS



<b>Dimensions</b>	(W x D x H): 526 x 650 x 808 mm
<b>Weight</b>	20.5 kg
<b>Material</b>	Birch Plywood
<b>Color</b>	black / white

- 19" Aluminium rack rails
- Front door with lock
- Swivel castor wheels, 2 wheels lockable
- Open back
- Accessories- Cage Nuts and Screws \*optional

## 18U Rack

### SPECIFICATIONS



<b>Dimensions</b>	(W x D x H): 526 x 650 x 937 mm
<b>Weight</b>	22.1 kg
<b>Material</b>	Birch Plywood
<b>Color</b>	black / white

- 19" Aluminium rack rails
- Front door with lock
- Swivel castor wheels, 2 wheels lockable
- Open back
- Accessories- Cage Nuts and Screws \*optional





**acoustic density**

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