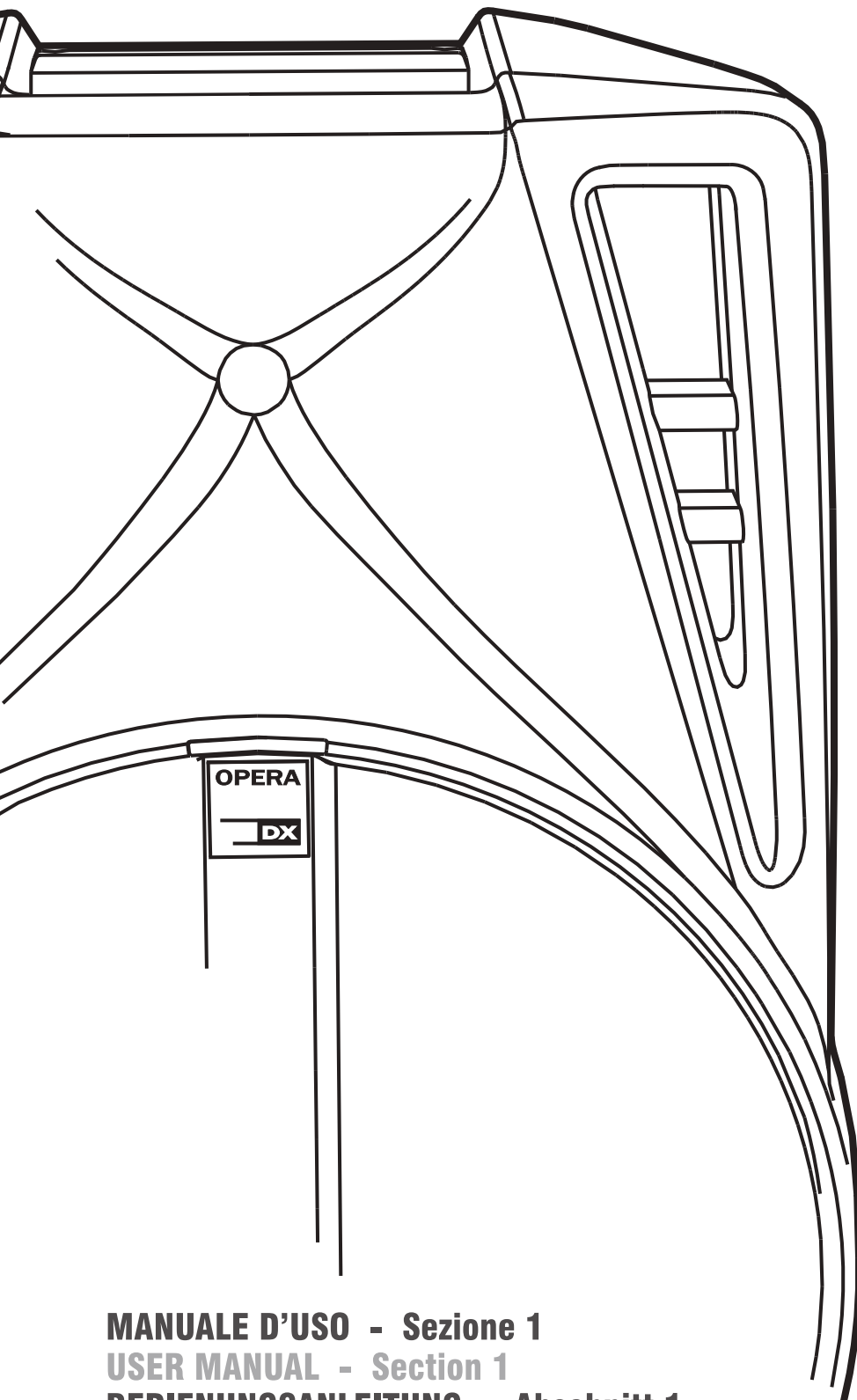


# OPERA

# DX

## PROFESSIONAL ACTIVE SPEAKER



**MANUALE D'USO - Sezione 1**

**USER MANUAL - Section 1**

**BEDIENUNGSANLEITUNG - Abschnitt 1**

**CARACTERISTIQUES TECHNIQUES - Section 1**



COD. 420120191 Rev 2.0

**digipro**<sup>®</sup>  
digital power



## DESCRIPTION

The models of the “OPERA DX” series use digital amplifiers of the DIGIPRO® G2 last generation; providing three different powers - 400W, 700W and 900W - to meet the requirements of any kind of application.

The speakers have two-channel amplifiers, one for low frequencies and one for the other frequencies, to permit perfect management of acoustic components.

These highly efficient amplifiers provide high power with limited weight and dimension. Thanks to the low power dissipated, the cooling of the amplifier module does not require a fan.

The digital preamplifier with DSP (Digital Signal Processing) controls the audio crossover of the acoustic components, the frequency response, the limiter, and the phase alignment. A selector enables to select one of two different equalizations - “FLAT” or “PROCESSED” - to provide high versatility for the different applications.

The amplifiers DIGIPRO® G2 700W and 900W use power supplies featuring SMPS (Switched-Mode Power Supplies) technology.

This technology increases power supply efficiency and minimizes its weight.

The correct operation is signalled by the lighting of a blue indicator, located on the front panel of the speaker. The indicator can be disabled following a specific procedure described in paragraph “Front LED” (Page 18).

## OPERA 500 DX Series

### OPERA 508DX

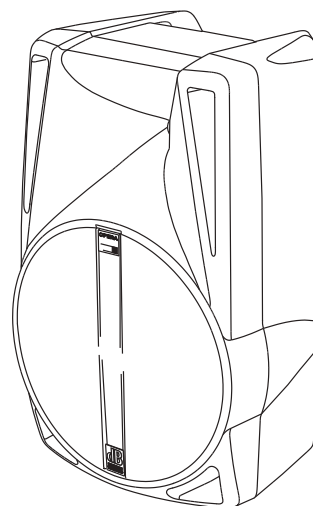
The OPERA 508DX bi-amped active speaker is equipped with a DIGIPRO® G2 amplifier delivering 300W for the bass section and 100W for the high frequency section.

The speaker is equipped with 8” woofer (1,5” voice coil) and 1” driver (1” voice coil) loaded with 80°/65°x60° asymmetric horn.

The speaker is in plastic material, provided with recessed top handle, easing its transport.

In the bottom of the box there is a standard pole mount cup (D36mm).

The speaker has been designed to be used also as stage monitor (43° angle).



### OPERA 510DX

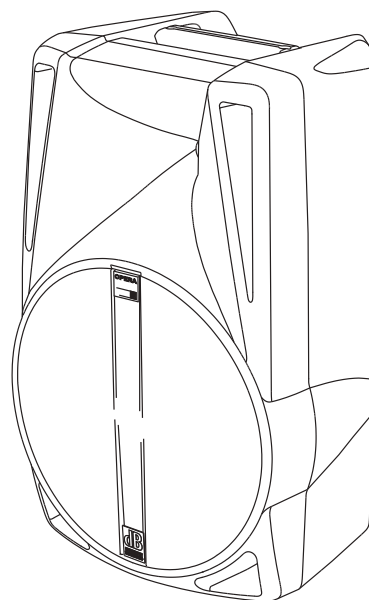
The OPERA 510DX bi-amped active speaker is equipped with a DIGIPRO® G2 amplifier delivering 300W for the bass section and 100W for the high frequency section.

The 2-way bi-amplified speaker is equipped with 10” woofer (1,5” voice coil) and 1” driver (1” voice coil) loaded with 80°/65°x60° asymmetric horn.

The speaker is plastic material and is provided with top handle easing its transport

In the bottom of the box there is a standard pole mount cup (D36mm).

The speaker has been designed to be used also as stage monitor (43° angle).



**OPERA 512DX**

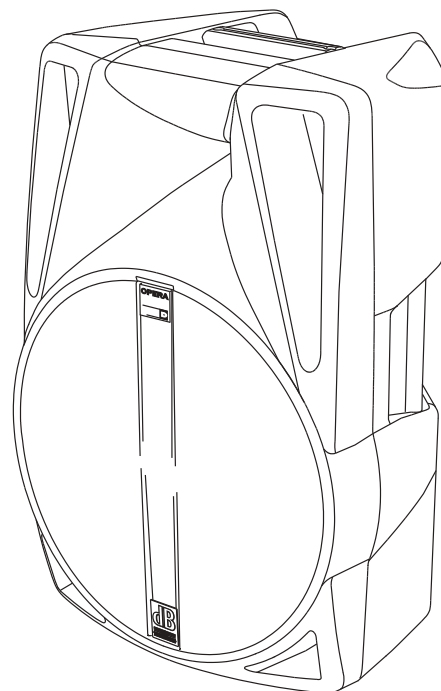
The OPERA 512DX bi-amped active speaker is equipped with a DIGIPRO® G2 amplifier delivering 300W for the bass section and 100W for the high frequency section.

The 2-way bi-amplified speaker is equipped with 12" woofer (1,5" voice coil) and 1" compression driver (1,4" voice coil) loaded with 80°/65°x60° asymmetric horn.

The speaker is plastic material and is provided with top handles and two side handles, easing its transport.

In the bottom of the box there is a standard pole mount cup (D36mm).

The speaker has been designed to be used also as stage monitor (43° angle).

**OPERA 515DX**

The OPERA 515DX bi-amped active speaker is equipped with a DIGIPRO® G2 amplifier delivering 300W for the bass section and 100W for the high frequency section.

The 2-way bi-amplified speaker is equipped with 15" woofer (1,5" voice coil) and 1" compression driver (1,4" voice coil) loaded with 80°/65°x60° asymmetric horn.

The speaker is plastic material and is provided with top handles and two side handles, easing its transport.

In the bottom of the box there is a standard pole mount cup (D36mm).

The speaker has been designed to be used also as stage monitor (43° angle).

**OPERA 700DX Series****OPERA 710DX**

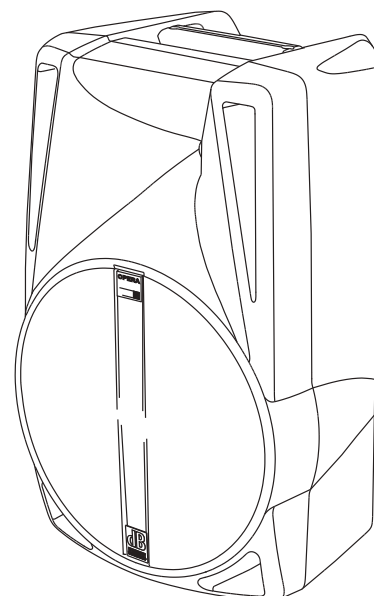
The OPERA 710DX bi-amped active speaker is equipped with a DIGIPRO® G2 amplifier delivering 500W for the bass section and 200W for the high frequency section.

The 2-way bi-amplified speaker is equipped with 10" woofer (2" voice coil) and 1" compression driver (1,4" voice coil) loaded with 80°/65°x60° asymmetric horn.

The speaker is plastic material and is provided with top handle, easing its transport

In the bottom of the box there is a standard pole mount cup (D36mm).

The speaker has been designed to be used also as stage monitor (43° angle).



### **OPERA 712DX**

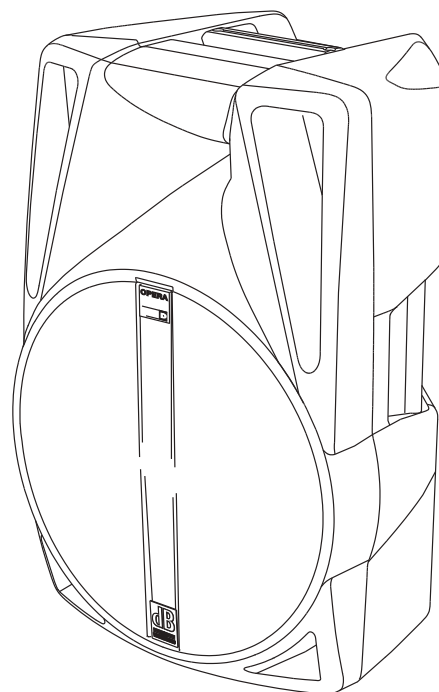
The OPERA 712DX bi-amped active speaker is equipped with a DIGIPRO® G2 amplifier delivering 500W for the bass section and 200W for the high frequency section.

The 2-way bi-amplified speaker is equipped with 12" woofer (2" voice coil) and 1" compression driver (1,4" voice coil) loaded with 80°/65°x60° asymmetric horn.

The speaker is plastic material and is provided with top handle and two sides handles, easing its transport.

In the bottom of the box there is a standard pole mount cup (D36mm).

The speaker has been designed to be used also as stage monitor (43° angle).



### **OPERA 715DX**

The OPERA 715DX bi-amped active speaker is equipped with a DIGIPRO® G2 amplifier delivering 500W for the bass section and 200W for the high frequency section.

The 2-way bi-amplified speaker is equipped with 15" woofer (2" voice coil) and 1" compression driver (1,4" voice coil) loaded with 80°/65°x60° asymmetric horn.

The speaker is plastic material and is provided with top handle and two sides handles, easing its transport.

In the bottom of the box there is a standard pole mount cup (D36mm).

The speaker has been designed to be used also as stage monitor (43° angle).

## **OPERA 900DX Series**

### **OPERA 910DX**

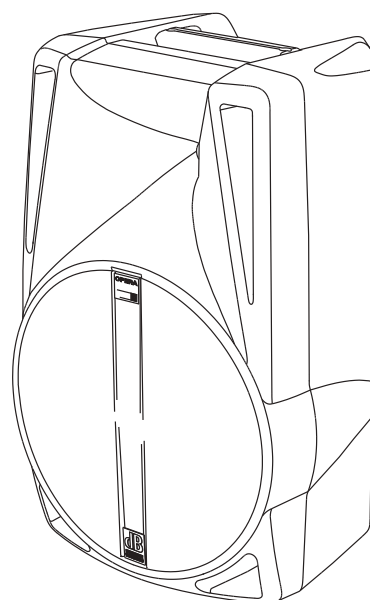
The OPERA 910DX bi-amped active speaker is equipped with a DIGIPRO® G2 amplifier delivering 600W for the bass section and 300W for the high frequency section.

The 2-way bi-amplified speaker is equipped with 10" woofer (3" voice coil) and 1" compression driver (1,5" voice coil) loaded with 80°/65°x60° asymmetric horn.

The speaker is plastic material and is provided with top handle, easing its transport

In the bottom of the box there is a standard pole mount cup (D36mm).

The speaker has been designed to be used also as stage monitor (43° angle).



**OPERA 912DX**

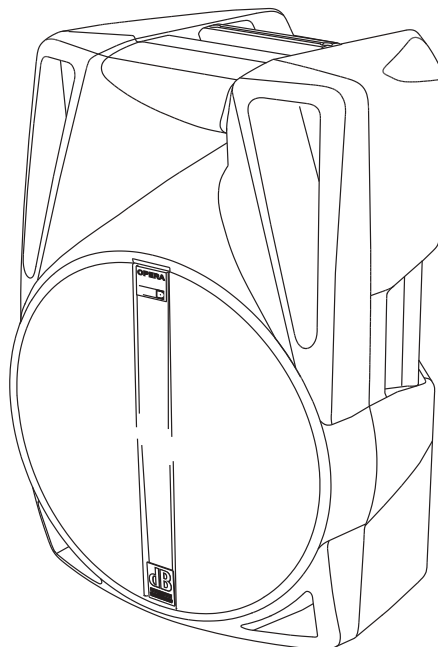
The OPERA 912DX bi-amped active speaker is equipped with a DIGIPRO® G2 amplifier delivering 600W for the bass section and 300W for the high frequency section.

The 2-way bi-amplified speaker is equipped with 12" woofer (3" voice coil) and 1" compression driver (1,75" voice coil) loaded with 80°/65°x60° asymmetric horn.

The speaker is plastic material and is provided with top handle and two sides handles, easing its transport.

In the bottom of the box there is a standard pole mount cup (D36mm).

The speaker has been designed to be used also as stage monitor (43° angle).

**OPERA 915DX**

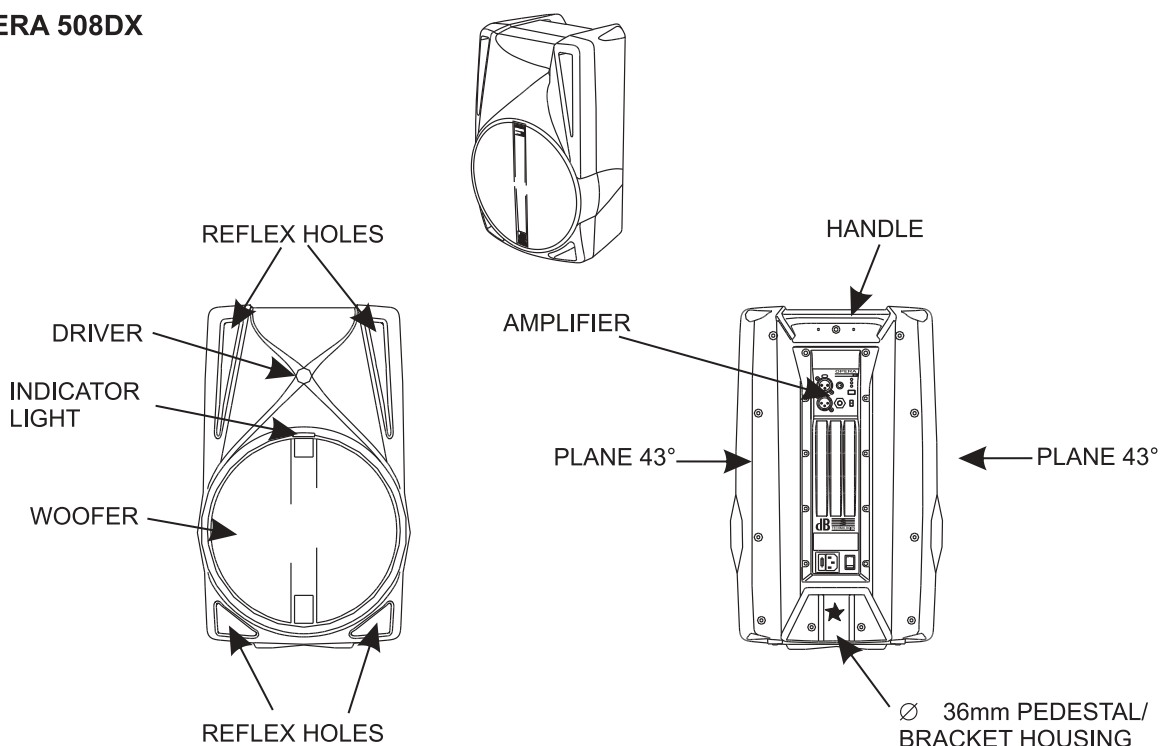
The OPERA 915DX bi-amped active speaker is equipped with a DIGIPRO® G2 amplifier delivering 600W for the bass section and 300W RMS for the high frequency section.

The 2-way bi-amplified speaker is equipped with 15" woofer (3" voice coil) and 1" compression driver (1.75" voice coil) loaded with 80°/65°x60° asymmetric horn.

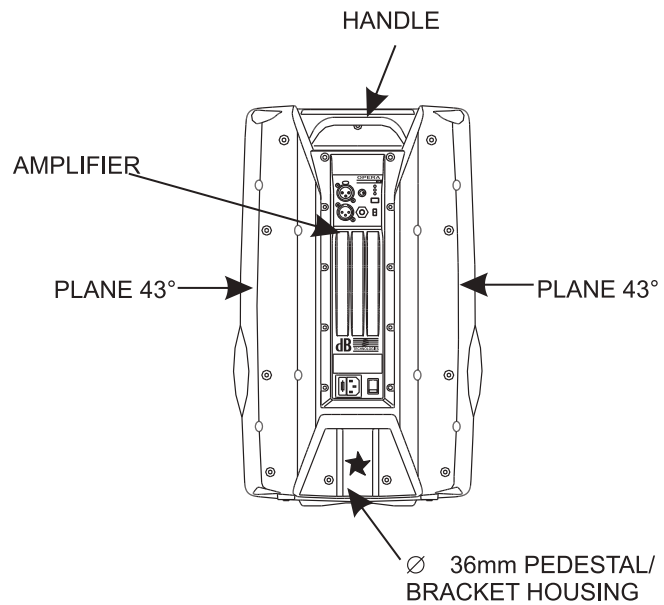
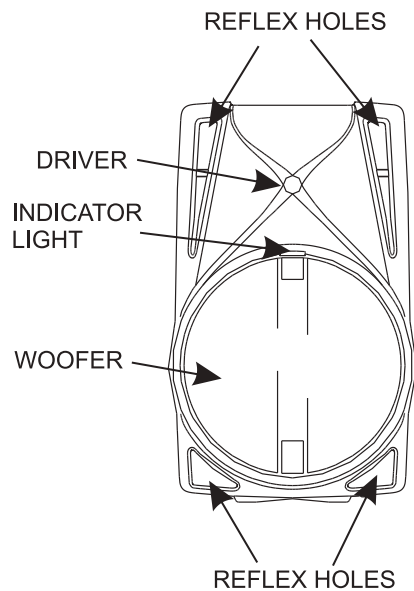
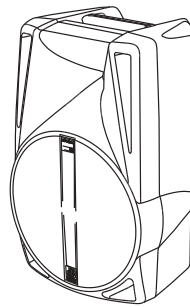
The speaker is plastic material and is provided with top handle and two sides handles, easing its transport.

In the bottom of the box there is a standard pole mount cup (D36mm).

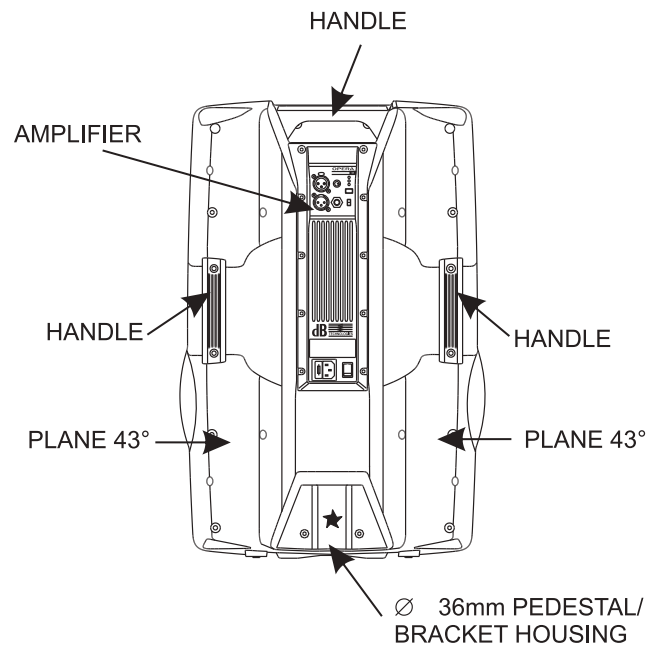
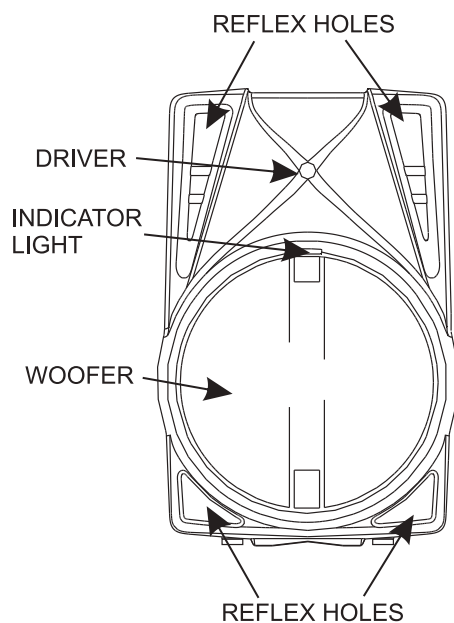
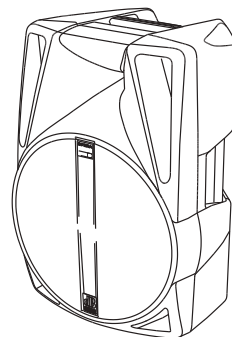
The speaker has been designed to be used also as stage monitor (43° angle).

**OPERA 508DX**

**OPERA 510DX**  
**OPERA 710DX**  
**OPERA 910DX**



**OPERA 512DX**  
**OPERA 515DX**  
**OPERA 712DX**  
**OPERA 715DX**  
**OPERA 912DX**  
**OPERA 915DX**





## COMMANDS AND FUNCTIONS

### AMPLIFIER PANEL

- 1) **“Balanced Input” - “Link” - “Input Link” CONNECTORS**  
These balanced inputs can be used to connect balanced or unbalanced microphones or audio sources at line level (0dB) (eg. preamplifier, mixer, recorder, CD player, musical instrument, ...).  
The balanced connector is connected in parallel and can be used to send the audio signal to other amplified speakers, recorders or supplementary amplifiers.
- 2) **“Limiter” INDICATOR LIGHT**  
This indicator shows red to indicate that the internal limiter circuit has tripped.  
This prevents amplifier distortion and protects the speakers against overloads.
- 3) **“Signal” INDICATOR LIGHT**  
This indicator shows green to indicate the presence of the audio signal (at a level of -20dB).
- 4) **“Ready” INDICATOR LIGHT**  
This indicator shows green to indicate that the main power voltage is correct.  
The LED shows green normal operating conditions
- 5) **“Sensitivity” INPUT SENSITIVITY CONTROL**  
This control adjusts the sensitivity of the signal amplifier input.  
This control does not affect the “Link” - “Input - Link” output level
- 6) **MODE SWITCH**  
This two-way switch allows to choose between two different system presets.  
The “Flat” position allows linear response of the speaker, which is mainly suitable for the “live” application.  
The “Processed” position emphasizes the low frequency and regulates the mid frequency. It is suitable for music play back
- 7) **“Input Sens” SWITCH**  
Position the switch in LINE to use a line level source (0 dB) or MIC to use a microphone.
- 8) **POWER CABLE SOCKET “MAINS”**  
Used for connecting the power cable supplied.
- 9) **FUSE CARRIER “FUSE”**  
Mains fuse housing.
- 10) **POWER SWITCH “POWER”**  
This switch can be used to switch the diffuser on and off.

### SPEAKER FRONT

- 1) **INDICATOR LIGHT**  
The blue indicator light indicates speaker status

## CHARACTERISTICS AND PROTECTION

### Front Grille

The speakers's components in the box are protected by 1.2mm metal steel grille (8" version) and by 1.5mm metal steel grille(10",12" and 15" versions) covered by foam on backside.

### Cooling

Thermal control is provided by the internal microprocessor which, by means of two sensors, controls the temperature of the amplifier and of the power supply, avoiding overheating by limiting the overall volume.

In case of overheating (> 80 degrees) the volume decreases proportionally to the temperature increase, making the change unnoticeable.

The correct volume and all the functions are automatically restored when standard operating temperatures are reached.

### Front LED

On the front of the speaker a blue LED indicates the state of the speaker.

During normal operation the speaker front LED can be disabled if necessary (theatre, cinema installations)

To change the state of the front LED, press and release for several times (6 times) the MODE switch during switch on, when all the LEDs ("Limiter", "Signal" and "Ready") on the amplifier module are off.

To restore front LED operation, repeat the operation.

The diagnostics of the speaker provided by this LED, is still active even if the LED is disabled.

### Switch on

The amplifiers are equipped with a microprocessor to control the DSP and the amplifier.

The correct switch on of the amplifier is ensured by an initialization procedure; during this test stage, the blue front LED flashes twice and the LEDs ("Limiter", "Signal" and "Ready"), located on the amplifier module, remain off for approx. 2 sec.

At the end of the switch on procedure, the front LED lights up (if enabled) and on the amplifier module the "Ready" green LED only remains steadily on.

In case of severe failure of the speaker, the LED on the front panel flashes several times and on the amplifier module, the "Limiter" red LED flashes.

The speaker switches to "mute".

### Failure indications and safeties

The microprocessor is able to signal three different kinds of failure by flashing the "Limiter" red LED on the amplifier panel before the lighting up of the "Ready" green LED. The three types of failure are:

- 1) **WARNING:** a non severe error or auto-ripristinate malfunction is detected and the performance of the speaker is not limited
- 2) **LIMITATION:** an error is detected and the performance of the speaker is limited (the sound level is reduced by 3dB).  
This does not affect the operation of the speaker since it continues to operate. However, it is necessary to call the service centre to solve the issue.
- 3) **FAILURE:** a severe malfunction is detected. The speaker switches to "mute".

Flashing	Indication
1 or 2	Warning
3 or 4	Limitation
from 5 to 8	Failure

In case of failure, the "Ready" green LED remains off.



Perform the checks listed below:

- Check if the speaker is properly connected to the power supply.
- Make sure that the power supply is of correct voltage.
- Check that the amplifier is not overheated.
- Disconnect the speaker from the mains power supply, wait for a few minutes and connect it again.

If after these tests the red "LIMITER" LED is still on, please contact an authorised service centre.

## LOUDSPEAKER INSTALLATION



### WARNING

The speakers with speaker stand and pole mount must be installed only by qualified personnel, with appropriate training and experience in the installation of professional systems.

However, the user/installer has the final responsibility for the installation of the equipment/system in such a way as to avoid any danger of overturning and damage to people, animals and properties.

For safety reasons do not place one loudspeaker on top of another. Before hanging the loudspeaker check all the components for damages, deformations, missing or damaged parts that may compromise safety during installation.

In order to avoid the danger of electric shock for the user, do not install, use, or leave the speaker exposed to unsuitable weather conditions, such as rain, snow, hail and particularly dusty environments. The equipment is not designed to operate in such environmental conditions.

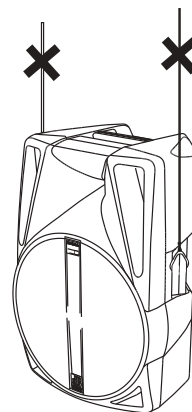
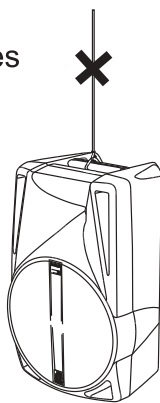
The loudspeaker has the following mounting options:

- bookshelf (Fig. 1)
- floor (monitor) (Fig.2)
- on speaker stands (Fig.3a)
- on pole mount, stacked over a subwoofer (Fig.3b)
- suspended with brackets supplied by the manufacturer (Fig.4)



### WARNING

Never use the handles to hang the speaker!



### ATTENTION

The installation of the speaker on speaker stand must be carried out exclusively by professionally qualified staff, being careful to place a speaker stand foot in the direction of the output side of the sound (front side of the speaker) so as to maximize stability in relation to the centre of gravity of the speaker (ref. page 51 Fig.3a).



### ATTENTION

When using the speaker with a pole mount for subwoofer (ref. page 52 Fig.3b), in order to avoid the danger of overturning and damage to people, animals and properties, before proceeding with the installation of the system, check the allowed configurations, the indications and the related requirements on the site of dBTechnologies. However, make sure that the subwoofer which supports the speaker is placed on a horizontal surface without inclinations.

## EMI CLASSIFICATION

According to the standards EN 55103 this equipment is designed and suitable to operate in E3 (or lower E2, E1) Electromagnetic environments.

## TECHNICAL SPECIFICATIONS

	<u>OPERA 508DX</u>	<u>OPERA 510DX</u>
<b>Amp and processor</b>		
System:	Active 2-Amps	Active 2-Amps
Type of amplifier:	Digital - Class D DIGIPRO G2 technology	Digital - Class D DIGIPRO G2 technology
Power:		
High (HF)	100W	100W
Low (BF)	300W	300W
Cooling:	Convection, fan-free	Convection, fan-free
System presets:	Flat - Processed	Flat - Processed
Limiter:	Peak,RMS, Thermal, limiters	Peak,RMS, Thermal, limiters
Pre-Amp:	24bit 48KHz DSP	24bit 48KHz DSP
X-over frequency:	2050 Hz, 24 dB/oct.	2050 Hz, 24 dB/ oct.
<b>Audio Data</b>		
Frequency response -10 dB:	67 Hz - 20 kHz	62 Hz - 20 kHz
Frequency response +-3 dB:	77 Hz - 19 kHz	71 Hz - 19 kHz
Max SPL:	121 dB	122 dB
Bass/midrange woofer:	1x8" - 1,5" voice coil	1x10" - 1,5" voice coil
High frequency driver:	1x1" driver - 1" voice coil	1x1" driver - 1" voice coil
Horn:	80°/65 x 60° CD Horn	80°/65 x 60° CD Horn
<b>Input section</b>		
Input sensitivity:	-40dBu/-3dBu (Mic/Line)	-40dBu/-3dBu (Mic/Line)
Mains:	220-240V~ 50-60Hz 110-120V~ 50-60Hz	220-240V~ 50-60Hz 110-120V~ 50-60Hz
Inrush current:	6,6A	6,6A
<b>Hardware</b>		
Pole mount:	36 mm	36mm
Handles:	one on top -----	one on top -----
Angles up:	43° for monitor	43° for monitor
Grille:	1,2mm Metal with foam	1,5mm Metal with foam
Dimensions (W x H x D):	300 x 484 x 284 mm	343 x 553 x 304 mm
Weight:	7,9 kg	9,8 kg
Optional accessories:	gig bag, mounting bracket	gig bag, mounting bracket

## TECHNICAL SPECIFICATION

### Amp and processor

System:

Type of amplifier:

Power:

High (HF)

Low (BF)

Cooling:

System presets:

Limiter:

Pre-Amp:

X-over frequency:

### Audio Data

Frequency response -10 dB:

Frequency response +-3 dB:

Max SPL:

Bass/midrange woofer:

High frequency driver:

Horn:

### Input section

Input sensitivity:

Mains:

Inrush current:

### Hardware

Pole mount:

Handles:

Angles up:

Grille:

Dimensions (W x H x D):

Weight:

Optional accessories:

## OPERA 512DX

Active 2-Amps

Digital - Class D

DIGIPRO G2 technology

100W

300W

Convection, fan-free

Flat - Processed

Peak,RMS, Thermal, limiters

Peak,RMS, Thermal, limiters

2040 Hz, 24 dB/ oct.

59 Hz - 20 kHz

69 Hz - 19 kHz

125 dB

1x12" - 1,5" voice coil

1x1" compression driver 1,4" voice coil

80°/65 x 60° CD Horn

-40dBu/-3dBu (Mic/Line)

220-240V~ 50-60Hz

110-120V~ 50-60Hz

6,6A

36mm

one on top

two on sides

43° for monitor

1,5mm Metal with foam

432 x 655 x 353 mm

15,8 kg

gig bag, mounting bracket

## TECHNICAL SPECIFICATIONS

### Amp and processor

System:

Type of amplifier:

Power:

High (HF)

Low (BF)

Cooling:

System presets:

Limiter:

Pre-Amp:

X-over frequency:

### Audio Data

Frequency response -10 dB:

Frequency response +-3 dB:

Max SPL:

Bass/midrange woofer:

High frequency driver:

Horn:

### Input section

Input sensitivity:

Mains:

Inrush current:

### Hardware

Pole mount:

Handles:

Angles up:

Grille:

Dimensions (W x H x D):

Weight:

Optional accessories:

## OPERA 515DX

Active 2-Amps

Digital - Class D

DIGIPRO G2 technology

100W

300W

Convection, fan-free

Flat - Processed

Peak,RMS, Thermal, limiters

Peak,RMS, Thermal, limiters

2030 Hz, 24 dB/ oct.

52 Hz - 20 kHz

60 Hz - 19 kHz

126 dB

1x15" - 1,5" voice coil

1x1" compression driver 1,4" voice coil

80°/65 x 60° CD Horn

-40dBu/-3dBu (Mic/Line)

220-240V~ 50-60Hz

110-120V~ 50-60Hz

6,6A

36mm

one on top

two on sides

43° for monitor

1,5mm Metal with foam

432 x 655 x 353 mm

16,7 kg

gig bag, mounting bracket

## TECHNICAL SPECIFICATION

### Amp and processor

System:

Type of amplifier:

Power

High (HF)

Low (BF)

Cooling:

System presets:

Limiter:

Pre-Amp:

X-over frequency:

### Audio Data

Frequency response -10 dB:

Frequency response +-3 dB:

Max SPL:

Bass/midrange woofer:

High frequency driver:

Horn:

### Input section

Input sensitivity:

Mains:

Inrush current

### Hardware

Pole mount:

Handles:

Angles up:

Grille:

Dimensions (W x H x D):

Weight:

Optional accessories:

## OPERA 710 DX

Active 2-Amps

Digital - Class D

DIGIPRO G2 technology

200W

500W

Convection, fan-free

Flat, Processed

Peak,RMS, Thermal, limiters

24bit 48KHz DSP

1940Hz, 24 dB/oct.

61 Hz - 20 kHz

70 Hz - 19 kHz

127 dB

1x10" - 2" voice coil

1x1" compression driver - 1,4" voice coil

80°/65 x 60° CD Horn

-40dBu/-3dBu (Mic/Line)

220-240V~ 50-60Hz

110-120V~ 50-60Hz

7,5A

36 mm

-----

one on top

43° for monitor

1,5mm Metal with foam

343 x 553 x 304mm

11,6kg

gig bag, mounting bracket

## TECHNICAL SPECIFICATION

### Amp and processor

System:

Type of amplifier:

Power

High (HF)

Low (BF)

Cooling:

System presets:

Limiter:

Pre-Amp:

X-over frequency:

### Audio Data

Frequency response -10 dB:

Frequency response +-3 dB:

Max SPL:

Bass/midrange woofer:

High frequency driver:

Horn:

### Input section

Input sensitivity:

Mains:

Inrush current

### Hardware

Pole mount:

Handles:

Angles up:

Grille:

Dimensions (W x H x D):

Weight:

Optional accessories:

## OPERA 712 DX

Active 2-Amps

Digital - Class D

DIGIPRO G2 technology

200W

500W

Convection, fan-free

Flat, Processed

Peak,RMS, Thermal, limiters

24bit 48KHz DSP

1870Hz, 24 dB/oct.

59 Hz - 20 kHz

68 Hz - 19 kHz

128 dB

1x12" - 2" voice coil

1x1" compression driver - 1,4" voice coil

80°/65 x 60° CD Horn

-40dBu/-3dBu (Mic/Line)

220-240V~ 50-60Hz

110-120V~ 50-60Hz

7,5A

36 mm

two on side

one on top

43° for monitor

1,5mm Metal with foam

432 x 655 x 353mm

15,4kg

gig bag, mounting bracket



## TECHNICAL SPECIFICATION

### Amp and processor

System:

Type of amplifier:

Power

High (HF)

Low (BF)

Cooling:

System presets:

Limiter:

Pre-Amp:

X-over frequency:

### Audio Data

Frequency response -10 dB:

Frequency response +-3 dB:

Max SPL:

Bass/midrange woofer:

High frequency driver:

Horn:

### Input section

Input sensitivity:

Mains:

Inrush current

### Hardware

Pole mount:

Handles:

Angles up:

Grille:

Dimensions (W x H x D):

Weight:

Optional accessories:

## OPERA715 DX

Active 2-Amps

Digital - Class D

DIGIPRO G2 technology

200W

500W

Convection, fan-free

Flat, Processed

Peak,RMS, Thermal, limiters

24bit 48KHz DSP

1850 Hz, 24 dB/ oct.

49 Hz - 20 kHz

59 Hz - 19 kHz

129 dB

1x15" - 2" voice coil

1x1" compression driver - 1,4" voice coil

80°/65 x 60° CD Horn

-40dBu/-3dBu (Mic/Line)

220-240V~ 50-60Hz

110-120V~ 50-60Hz

7,5A

36mm

two on side

one on top

43° for monitor

1,5mm Metal with foam

432 x 655 x 353mm

15,4 kg

gig bag, mounting bracket

## TECHNICAL SPECIFICATION

### Amp and processor

System:

Type of amplifier:

Power

High (HF)

Low (BF)

Cooling:

System presets:

Limiter:

Pre-Amp:

X-over frequency:

### Audio Data

Frequency response -10 dB:

Frequency response +-3 dB:

Max SPL:

Bass/midrange woofer:

High frequency driver:

Horn:

### Input section

Input sensitivity:

Mains:

Inrush current

### Hardware

Pole mount:

Handles (rubber):

Angles up:

Grille:

Dimensions (W x H x D):

Weight:

Optional accessories:

## OPERA 910DX

Active 2-Amps

Digital - Class D

DIGIPRO G2 technology

200W

500W

Convection, fan-free

Flat, Processed

Peak,RMS, Thermal, limiters

24bit 48KHz DSP

1740 Hz, 24 dB/oct

60 Hz - 20 kHz

69 Hz - 19 kHz

129 dB

1x10" - 3" voice coil

1x1" compression driver 1,5" voice coil

80°/65 x 60° CD Horn

-40dBu/-3dBu (Mic/Line)

220-240V~ 50-60Hz

110-120V~ 50-60Hz

9,8A

36 mm

-----

one on top

43° for monitor

1,5mm Metal with foam

343x553 x 304mm

11,7kg

gig bag, mounting bracket

## TECHNICAL SPECIFICATION

### Amp and processor

System:

Type of amplifier:

Power

High (HF)

Low (BF)

Cooling:

System presets:

Limiter:

Pre-Amp:

X-over frequency:

### Audio Data

Frequency response -10 dB:

Frequency response +-3 dB:

Max SPL:

Bass/midrange woofer:

High frequency driver:

Horn:

### Input section

Input sensitivity:

Mains:

Inrush current

### Hardware

Pole mount:

Handles (rubber):

Angles up:

Grille:

Dimensions (W x H x D):

Weight:

Optional accessories:

## OPERA 912DX

Active 2-Amps

Digital - Class D

DIGIPRO G2 technology

200W

500W

Convection, fan-free

Flat, Processed

Peak,RMS, Thermal, limiters

24bit 48KHz DSP

1690 Hz, 24 dB/oct.

55 Hz - 20 kHz

64 Hz - 19 kHz

130 dB

1x12" - 3" voice coil

1x1" compression driver 1,75" voice coil

80°/65 x 60° CD Horn

-40dBu/-3dBu (Mic/Line)

220-240V~ 50-60Hz

110-120V~ 50-60Hz

9,8A

36 mm

two on sides

one on top

43° for monitor

1,5mm Metal with foam

432 x 655 x 353mm

18,1 kg

gig bag, mounting bracket

## TECHNICAL SPECIFICATION

### Amp and processor

System:

Type of amplifier:

Power

High (HF)

Low (BF)

Cooling:

System presets:

Limiter:

Pre-Amp:

X-over frequency:

### Audio Data

Frequency response -10 dB:

Frequency response +-3 dB:

Max SPL:

Bass/midrange woofer:

High frequency driver:

Horn:

### Input section

Input sensitivity:

Mains:

Inrush current

### Hardware

Pole mount:

Handles (rubber):

Angles up:

Grille:

Dimensions (W x H x D):

Weight:

Optional accessories:

## OPERA 915DX

Active 2-Amps

Digital - Class D

DIGIPRO G2 technology

200W

500W

Convection, fan-free

Flat, Processed

Peak,RMS, Thermal, limiters

24bit 48KHz DSP

1670 Hz, 24 dB/ oct.

48 Hz - 20 kHz

57 Hz - 19 kHz

131 dB

1x15" - 3" voice coil

1x1" compression driver 1,75" voice

80°/65 x 60° CD Horn

-40dBu/-3dBu (Mic/Line)

220-240V~ 50-60Hz

110-120V~ 50-60Hz

9,8A

36mm

two on sides

one on top

43° for monitor

1,5mm Metal with foam

432 x 655 x 353mm

18,8 kg

gig bag, mounting bracket



**A.E.B. INDUSTRIALE s.r.l.**

Via Brodolini, 8 - 40056 Crespellano (Bo) - ITALIA

Tel. + 39 051 969870 - Fax. + 39 051 969725

Internet: [www.dbtechnologies.com](http://www.dbtechnologies.com)

E-mail: [info@dbtechnologies-aeb.com](mailto:info@dbtechnologies-aeb.com)