

# **OPERAD<sup>X</sup>** *Series*

*OPERA 508 DX*

*OPERA 510 DX*

*OPERA 512 DX*

*OPERA 515 DX*

*OPERA 710 DX*

*OPERA 712 DX*

*OPERA 715 DX*

*OPERA 910 DX*

*OPERA 912 DX*

*OPERA 915 DX*

## ***Professional Active Speakers***



**dB**Technologies

# Professional Active Speakers

dBTechnologies has added another chapter to the celebrated Opera Series' 12-year success story: Welcome to the new Opera DX line. Our engineers have again succeeded in treating users to state-of-the-art features and functions unrivalled in this price range.

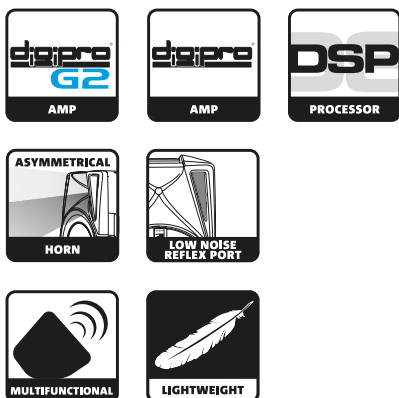
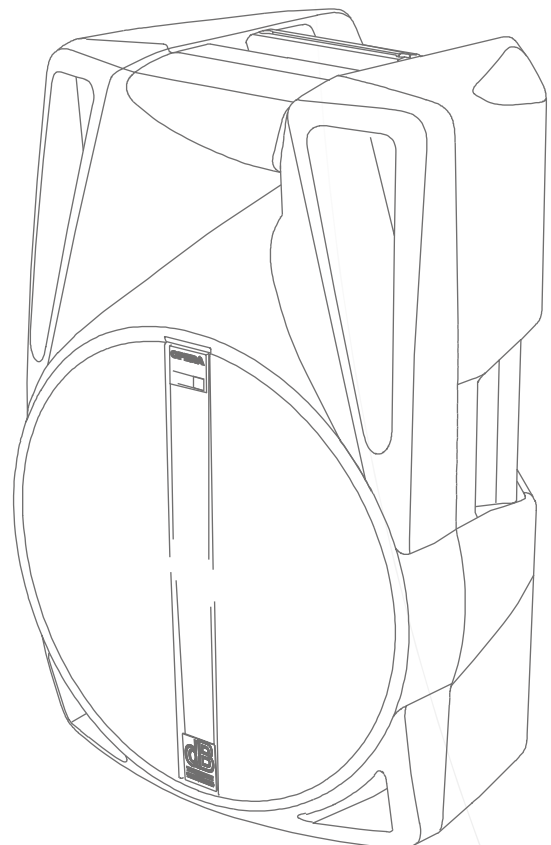
The digipro® G2 digital power amps, DSPs and asymmetrical horns have been tuned to deliver peerless performance. And with that, the three Opera DX 500, 700, and 900 lines provide a tailored solution for every sound reinforcement application.

The secret to the extraordinary performance of products bearing the dBTechnologies brand is the custom design effort that went into each component. These units outperform their rivals because almost every component was developed from the bottom up for the given product.

All components in an OPERA system are manufactured in our plants or sourced from trusted suppliers that we have relied on for many years, with dBTechnologies' quality assurance experts rigorously monitoring the production process.

Final assembly takes place at our home base in Bologna, Italy, where we burn in speakers and put every enclosure to the test for several hours before it ships.

This painstaking attention to detail has made the OPERA series one of the most successful and most frequently copied speaker systems. dBTechnologies leverages leading-edge technologies and proven manufacturing processes to continue making – in Italy rather than offshore - quality products that deliver unmatched performance for the price.



**500  
DX**



## OPERA 508 DX

### Technical Data

Speaker Type: 2-Way Active Speaker

### Acoustical data

Frequency Response [-10dB]: 67 - 20.000 Hz  
 Frequency Response [+/- 3dB]: 78 - 19.000 Hz  
 Max SPL: 121 dB  
 HF: 1 "  
 Type HF: Compression driver  
 Directivity: 80/65 x 60 °  
 Horn: Asymmetrical CD Horn  
 LF: 8 "

### Amplifier

Amp Technology: digipro®  
 Amp Class: Class D  
 Power PRG: 400 Watt

### Processor

Controller: DSP 24bit/48kHz  
 System Presets: Flat, Processed  
 Limiter: Dual Active Peak, RMS, Thermal

### Mechanics

Housing: Polyporpylen PP  
 Angles Up: Monitor use 43 °  
 Width: 300 mm (12 in)  
 Height: 484 mm (19.36 in)  
 Depth: 284 mm (11.36 in)  
 Weight: 7,9 kg (15.43 lbs)

## OPERA 510 DX

### Technical Data

Speaker Type: 2-Way Active Speaker

### Acoustical data

Frequency Response [-10dB]: 62 - 20.000 Hz  
 Frequency Response [+/- 3dB]: 71 - 19.000 Hz  
 Max SPL: 122 dB  
 HF: 1 "  
 Type HF: Compression driver  
 Directivity: 80/65 x 60 °  
 Horn: Asymmetrical CD Horn  
 LF: 10 "

### Amplifier

Amp Technology: digipro®  
 Amp Class: Class D  
 Power PRG: 400 Watt

### Processor

Controller: DSP 24bit/48kHz  
 System Presets: Flat, Processed  
 Limiter: Dual Active Peak, RMS, Thermal

### Mechanics

Housing: Polyporpylen PP  
 Angles Up: Monitor use 43 °  
 Width: 343 mm (13.72 in)  
 Height: 553 mm (22.12 in)  
 Depth: 304 mm (12.16 in)  
 Weight: 9.8 kg (21.61 lb)



**508DX**



**510DX**



## OPERA 512 DX

### Technical Data

Speaker Type: 2-Way Active Speaker

### Acoustical data

Frequency Response [-10dB]: 59 - 20.000 Hz  
 Frequency Response [+/- 3dB]: 70 - 19.000 Hz  
 Max SPL: 126 dB  
 HF: 1 "  
 Type HF: Compression driver  
 Directivity: 80/65 x 60 °  
 Horn: Asymmetrical CD Horn  
 LF: 12 "

### Amplifier

Amp Technology: digipro®  
 Amp Class: Class D  
 Power PRG: 400 Watt

### Processor

Controller: DSP 24bit/48kHz  
 System Presets: Flat, Processed  
 Limiter: Dual Active Peak, RMS, Thermal

### Mechanics

Housing: Polyporpylen PP  
 Angles Up: Monitor use 43 °  
 Width: 432 mm (17.28 in)  
 Height: 655 mm (26.2 in)  
 Depth: 353 mm (14.12 in)  
 Weight: 15,8 kg (33.07 lbs)

## OPERA 515 DX

### Technical Data

Speaker Type: 2-Way Active Speaker

### Acoustical data

Frequency Response [-10dB]: 52 - 20.000 Hz  
 Frequency Response [+/- 3dB]: 60 - 19.000 Hz  
 Max SPL: 127 dB  
 HF: 1 "  
 Type HF: Compression driver  
 Directivity: 80/65 x 60 °  
 Horn: Asymmetrical CD Horn  
 LF: 15 "

### Amplifier

Amp Technology: digipro®  
 Amp Class: Class D  
 Power PRG: 400 Watt

### Processor

Controller: DSP 24bit/48kHz  
 System Presets: Flat, Processed  
 Limiter: Dual Active Peak, RMS, Thermal

### Mechanics

Housing: Polyporpylen PP  
 Angles Up: Monitor use 43 °  
 Width: 432 mm (17.28 in)  
 Height: 655 mm (26.2 in)  
 Depth: 353 mm (14.12 in)  
 Weight: 16,7 kg (35.27 lbs)



**512DX**



**515DX**

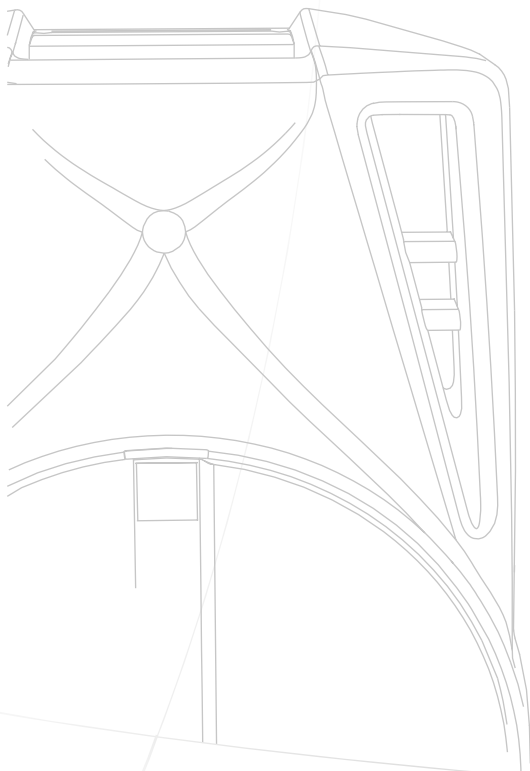
**700  
DX**



# OPERA DX700

## Advanced Active Technology

Equipped with 700-watt digipro®G2 power amps, high-quality transducers, and modern DSPs, every 700 Series sound system delivers the kind of stellar audio performance that sets the stage for success. And that makes it the perfect companion for the discerning performer.



## OPERA 710 DX

### Technical Data

Speaker Type: 2-Way Active Speaker

### Acoustical data

Frequency Response [-10dB]: 61 - 20.000 Hz  
 Frequency Response [+/- 3dB]: 70 - 19.000 Hz  
 Max SPL: 127 dB  
 HF: 1 "  
 Type HF: Compression driver  
 Directivity: 80/65 x 60 °  
 Horn: Asymmetrical CD Horn  
 LF: 10 "

### Amplifier

Amp Technology: digipro®G2  
 Amp Class: Class D  
 Power PRG: 700 Watt

### Processor

Controller: DSP 24bit/48kHz  
 System Presets: Flat, Processed  
 Limiter: Dual Active Peak, RMS, Thermal

### Mechanics

Housing: Polyporpylen PP  
 Angles Up: Monitor use 43 °  
 Width: 343 mm (13.72 in)  
 Height: 553 mm (22.12 in)  
 Depth: 304 mm (12.16 in)  
 Weight: 11,6 kg (24.25 lbs)





## OPERA 712 DX

### Technical Data

Speaker Type: 2-Way Active Speaker

### Acoustical data

Frequency Response [-10dB]: 59 - 20.000 Hz  
 Frequency Response [+/- 3dB]: 70 - 19.000 Hz  
 Max SPL: 128 dB  
 HF: 1 "  
 Type HF: Compression driver  
 Directivity: 80/65 x 60 °  
 Horn: Asymmetrical CD Horn  
 LF: 12 "

### Amplifier

Amp Technology: digipro®G2  
 Amp Class: Class D  
 Power PRG: 700 Watt

### Processor

Controller: DSP 24bit/48kHz  
 System Presets: Flat, Processed  
 Limiter: Dual Active Peak, RMS, Thermal

### Mechanics

Housing: Polyporpylen PP  
 Angles Up: Monitor use 43 °  
 Width: 432 mm (17.28 in)  
 Height: 655 mm (26.2 in)  
 Depth: 353 mm (14.12 in)  
 Weight: 15,4 kg (33.07 lbs)

## OPERA 715 DX

### Technical Data

Speaker Type: 2-Way Active Speaker

### Acoustical data

Frequency Response [-10dB]: 48 - 20.000 Hz  
 Frequency Response [+/- 3dB]: 58 - 19.000 Hz  
 Max SPL: 129 dB  
 HF: 1 "  
 Type HF: Compression driver  
 Directivity: 80/65 x 60 °  
 Horn: Asymmetrical CD Horn  
 LF: 15 "

### Amplifier

Amp Technology: digipro®G2  
 Amp Class: Class D  
 Power PRG: 700 Watt

### Processor

Controller: DSP 24bit/48kHz  
 System Presets: Flat, Processed  
 Limiter: Dual Active Peak, RMS, Thermal

### Mechanics

Housing: Polyporpylen PP  
 Angles Up: Monitor use 43 °  
 Width: 432 mm (17.28 in)  
 Height: 655 mm (26.2 in)  
 Depth: 353 mm (14.12 in)  
 Weight: 15,4 kg (33.07 lbs)



**900  
DX**

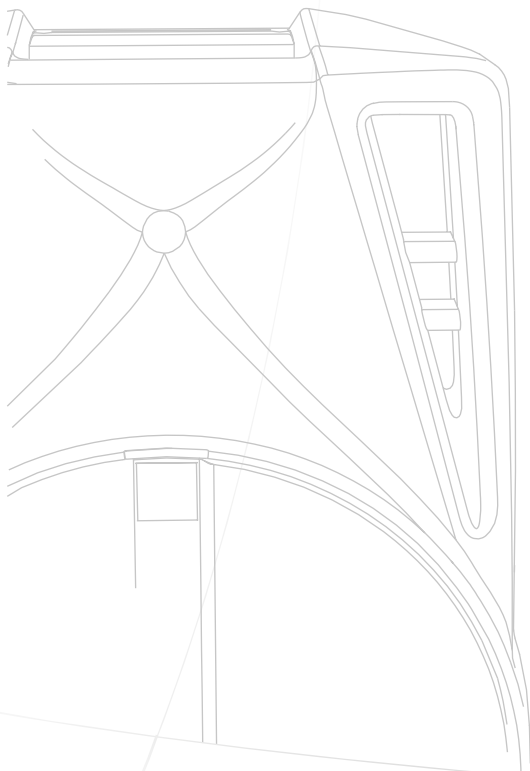


## OPERA DX 900

### High-end Audio Performance

It doesn't get any better than this: The OPERA 900 is not only the flagship of the line, it is also the reference standard for the entire class.

Its 900-watt digipro®G2 power amp comes with a SMPS and an onboard DSP. Paired with a premium woofer and a high-end driver sporting a 1.4" diaphragm, it packs a powerful low-frequency punch and conjures crystal-clear top end. Its range is nothing short of remarkable.



## OPERA 910 DX

### Technical Data

Speaker Type: 2-Way Active Speaker

### Acoustical data

Frequency Response [-10dB]: 60 - 20.000 Hz  
 Frequency Response [+/- 3dB]: 68 - 19.000 Hz  
 Max SPL: 129 dB  
 HF: 1 "  
 Type HF: Compression driver  
 Directivity: 80/65 x 60 °  
 Horn: Asymmetrical CD Horn  
 LF: 10 "

### Amplifier

Amp Technology: digipro®G2  
 Amp Class: Class D  
 Power PRG: 900 Watt

### Processor

Controller: DSP 24bit/48kHz  
 System Presets: Flat, Processed  
 Limiter: Dual Active Peak, RMS, Thermal

### Mechanics

Housing: Polyporpylen PP  
 Angles Up: Monitor use 43 °  
 Width: 343 mm (13.72 in)  
 Height: 553 mm (22.12 in)  
 Depth: 304 mm (12.16 in)  
 Weight: 11,7 kg (24.25 lbs)



**910DX**



## OPERA 912 DX

### Technical Data

Speaker Type: 2-Way Active Speaker

### Acoustical data

Frequency Response [-10dB]: 55 - 20.000 Hz  
 Frequency Response [+/- 3dB]: 68 - 19.000 Hz  
 Max SPL: 130 dB  
 HF: 1 "  
 Type HF: Compression driver  
 Directivity: 80/65 x 60 °  
 Horn: Asymmetrical CD Horn  
 LF: 12 "

### Amplifier

Amp Technology: digipro®G2  
 Amp Class: Class D  
 Power PRG: 900 Wat

### Processor

Controller: DSP 24bit/48kHz  
 System Presets: Flat, Processed  
 Limiter: Dual Active Peak, RMS, Thermal

### Mechanics

Housing: Polyporpylen PP  
 Angles Up: Monitor use 43 °  
 Width: 432 mm (17.28 in)  
 Height: 655 mm (26.2 in)  
 Depth: 353 mm (14.12 in)  
 Weight: 18,1 kg (39.68 lbs)

## OPERA 915 DX

### Technical Data

Speaker Type: 2-Way Active Speaker

### Acoustical data

Frequency Response [-10dB]: 48 - 20.000 Hz  
 Frequency Response [+/- 3dB]: 58 - 19.000 Hz  
 Max SPL: 131 dB  
 HF: 1 "  
 Type HF: Compression driver  
 Directivity: 80/65 x 60 °  
 Horn: Asymmetrical CD Horn  
 LF: 15 "

### Amplifier

Amp Technology: digipro®G2  
 Amp Class: Class D  
 Power PRG: 900 Watt

### Processor

Controller: DSP 24bit/48kHz  
 System Presets: Flat, Processed  
 Limiter: Dual Active Peak, RMS, Thermal

### Mechanics

Housing: Polyporpylen PP  
 Angles Up: Monitor use 43 °  
 Width: 432 mm (17.28 in)  
 Height: 655 mm (26.2 in)  
 Depth: 353 mm (14.12 in)  
 Weight: 18,8 kg (39.68 lbs)

