

YONSAI

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# BONSAI

## 2023



## NEW BONSAI SYSTEM

**W&dB** The new Bonsai 2020 series incorporates new features such as the new Bonsai Maxx, Pulse Bonsai and new designs with new hardware and renewed aesthetics and finishes of high level. The new Bonsai systems offer many more possibilities for use in sound reinforcement, small PA or installation where discreet and elegant sound equipment is needed. The Bonsai are made of Finnish birch wood, stainless steel and aluminum, the transducers are of high quality manufactured in Spain. The Bonsai series reduces the Line Array system to miniature size. It offers the possibility of choosing the finishing colors (RAL Table), apart from the basic colors, black or white.  
More information at [www.wdb.audio](http://www.wdb.audio)

# BONSAI THREE

Bonsai SERIES



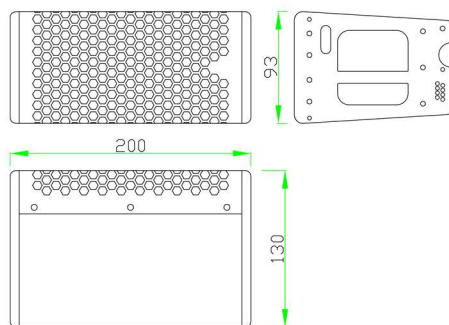
## SPECIFICATIONS



- Mini "Line Array" system.
- Includes two 3" high-power, high-sensitivity speakers.
- Titanium treble driver, in each group of four units.
- This unit is made of Baltic laminate and aeronautical aluminum.
- 60° dispersion pattern
- The amplifier is built into the subwoofer.

Model specifically designed as a "line array" system in groups of four units. The system is complemented by two 15" or 18" subwoofer models that incorporate amplification, with an option for an external amplifier. The Bonsai One's four-drive performance is amazing, as it can array four, eight or even 32 drives per side, it's a very versatile product for PA, home use and fixed installation.

| TECHNICAL DATA         | BONSAI TRHEE              |
|------------------------|---------------------------|
| Speakers               | 2 x 3"                    |
| Dispersion             | 60°                       |
| Rated impedance        | 16Ω                       |
| AES power.             | 60W/240W four pcs.        |
| Max SPL (Peak)         | 119 dB four units         |
| Frequency Response     | 150 to 20kHz              |
| Sensitivity (1W at 1m) | 94dB (Four units)         |
| Weight                 | 1.9kg                     |
| Geometry               | trapezoidal .             |
| Adjustment angle       | 1° to 1°                  |
| Dimensions (LxWxD)     | 200 x 93 x 130 mm.        |
| Type of material       | Wissa Plywood Birch       |
| Flying support         | Stainless steel/ aluminum |
| Finish                 | Polyurethane              |
| Color                  | RAL letter                |
| Connections            | 2x BNC-----               |
| Power module           |                           |



# BONSAI FOUR

## Bonsai SERIES



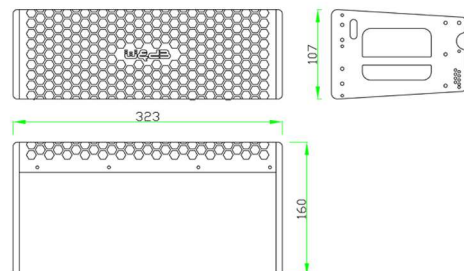
### SPECIFICATIONS



- Mini "Line Array" system.
- Includes two 4" high-power, high-sensitivity speakers.
- Waveguide with a 1" compression driver.
- This unit is made of Baltic laminate and aeronautical aluminum.
- 7° x 120° dispersion pattern.
- Passive or bi-amplified version.

Model specifically designed as a "line array" system in groups of four units. The system is complemented by two 15" or 18" subwoofer models that incorporate amplification, with an option for an external amplifier. The performance of four units of the Bonsai Maxx is amazing, you can make arrangements of four, eight or even 32 units per side, it is a very versatile product for PA and fixed installation use.

| TECHNICAL DATA         | BONSAI FOUR                |
|------------------------|----------------------------|
| Speakers               | 2 x 4" - 1 x 1"            |
| Dispersion             | 7° x 120°                  |
| Rated impedance        | 16 Ω                       |
| AES power.             | 80 W                       |
| Max SPL (Peak)         | 122 dB four units          |
| Frequency response     | 120 to 20kHz               |
| Sensitivity (1W at 1m) | 96 dB (Four units)         |
| Weight                 | 2.5 kg                     |
| Geometry               | trapezoidal .              |
| Adjustment angle       | 1° to 1°                   |
| Dimensions (LxWxD)     | 323 x 107 x 160mm.         |
| Type of material       | Wissa Plywood Birch        |
| Flying support         | stainless steel / aluminum |
| Finish                 | Polyurethane               |
| Color                  | RAL letter                 |
| Connections            | 2 x Speakon NL4            |
| Power module           | -----                      |





# BONSAI FIVE

## Bonsai SERIES



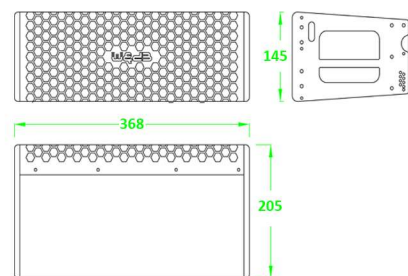
### SPECIFICATIONS



- Mini "Line Array" system.
- Includes two 5" high-power, high-sensitivity speakers.
- Waveguide with a 1" compression driver.
- This unit is made of Baltic laminate and aeronautical aluminum.
- 7° x 120° dispersion pattern.
- Passive or bi-amplified version.

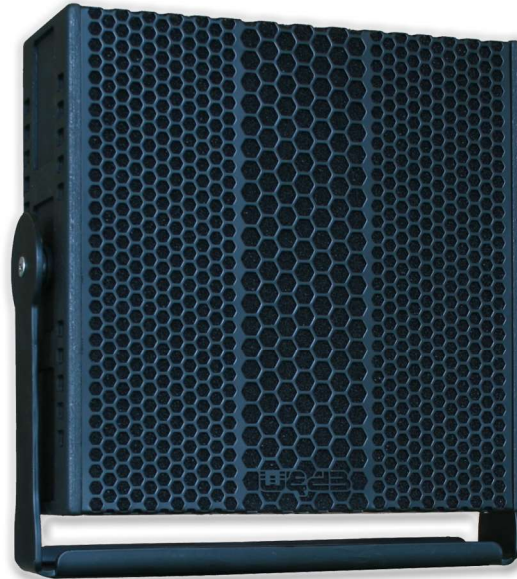
Model specifically designed as a "line array" system in groups of four units. The system is complemented by two 15" or 18" subwoofer models that incorporate amplification, with an option for an external amplifier. The performance of four units of the Bonsai Five is amazing, you can make arrangements of four, eight or even 32 units per side, it is a very versatile product for PA and fixed installation use.

| TECHNICAL DATA         | BONSAI FIVE                    |
|------------------------|--------------------------------|
| Speakers               | 2 x 5" - 1 x 1"                |
| Dispersion             | 7° x 120°                      |
| rated impedance        | 16 Ω                           |
| AES power.             | 400 W                          |
| Max SPL (Peak)         | 131 dB four units              |
| Frequency response     | 80 to 20kHz                    |
| Sensitivity (1W at 1m) | 98 dB (Four units)             |
| Weight                 | 7.5 kg                         |
| Geometry               | trapezoidal                    |
| Adjustment angle       | 1° to 1°                       |
| Dimensions (LxWxD)     | 368 x 145 x 205mm.             |
| Type of material       | Wissa Plywood Birch            |
| Flying support         | stainless steel/ aluminum      |
| Finish                 | Polyurethane                   |
| Color                  | RAL letter                     |
| Connections            | 2 x Speakon NL4                |
| Power module           | Amplifier inside the subwoofer |



# BONSAI FLAT

## Bonsai SERIES



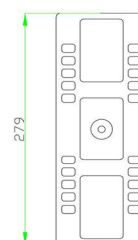
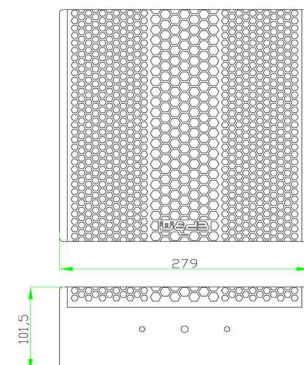
### SPECIFICATIONS



- Flat array "Line Array".
- Includes eight 3" transducers of high sensitivity and power.
- 1" titanium driver.
- This unit is made of batic laminate, incorporates U-Bracket support.
- Scatter pattern, 80°.
- Passive only version, it is amplified through the subwoofer or external amplifier.

Model designed to take up as little space as possible, it has an extra flat design. This array offers very high performance, you can use just one drive per side or up to four drives per side. The system is complemented by two subwoofer models of 15" and 18" that incorporate amplification, the option of an external amplifier is also offered, this model can be used in PA or installation, being a new solution in small sound systems.

| TECHNICAL DATA         | BONSAI PULSE           |
|------------------------|------------------------|
| Speakers               | 8 x 3" - 1 x 1"        |
| Dispersion             | 60° Horz. 40° Vertical |
| Rated impedance        | 8 Ω                    |
| AES power.             | 265 W                  |
| Max SPL (Peak)         | 123 dB four units      |
| Frequency response     | 120 to 20kHz           |
| Sensitivity (1W at 1m) | 103 dB (Four units)    |
| Weight                 | 5 kg                   |
| Geometry               | rectangle .            |
| Adjustment angle       | ----                   |
| Dimensions (LxWxD)     | 279 x 279 x 101mm.     |
| Type of material       | Wissa Plywood Birch    |
| Flown support          | stainless steel        |
| Finish                 | Polyurethane           |
| Color                  | RAL letter             |
| Connections            | 2 x Speakon NL4        |
| Power module           | -----                  |





# BONSAI SB15A

## Bonsai SERIES



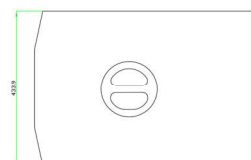
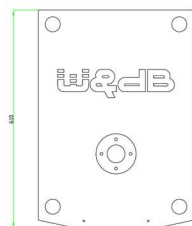
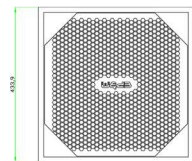
### SPECIFICATIONS

- 15" subwoofer
- Includes a 15" speaker
- Includes a three-channel DSP power module.
- This unit is made of Baltic laminate.
- Special flying coupling system for the telescopic mast.
- Amplified and passive version.

*Ultra-compact 15" direct radiation subwoofer, this model incorporates an amplifier with three channels plus DSP, it can amplify from the subwoofer up to eight units of the Bonsai.*

*One model, four units of the Bonsai Two model or up to four units of the Pulse Bonsai. This model is made of high quality Finnish birch wood, you can choose the color of the finish.*

| TECHNICAL DATA         | SB 15A               |
|------------------------|----------------------|
| Speakers               | 1 x 15"              |
| Dispersion             | -                    |
| Rated impedance        | 8 Ω                  |
| AES power.             | 700 W                |
| Max SPL (Peak)         | 129 dB               |
| Frequency response     | 35Hz to 150Hz        |
| Sensitivity (1W at 1m) | 100 dB               |
| Weight                 | 38 kg                |
| Geometry               | rectangle .          |
| Adjustment angle       | ----                 |
| Dimensions (LxWxD)     | 434 x 434 x 610mm.   |
| Type of material       | Wissa Plywood Birch  |
| Flown support          | -                    |
| Finish                 | Polyurethane         |
| Color                  | RAL letter           |
| Connections            | 2 x Speakon NL4      |
| Power module           | 1500W +750 +750W DSP |



# BONSAI SB18A

Bonsai SERIES



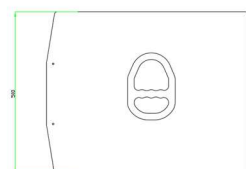
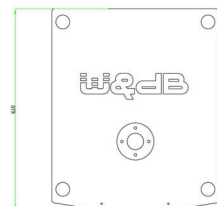
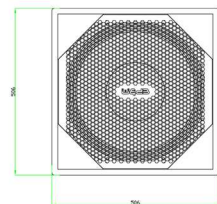
## SPECIFICATIONS

- 18" subwoofer
- Includes an 18" speaker with high sensitivity and power.
- Includes a three-channel module with DSP.
- This unit is made of Baltic laminate.
- Special flying coupling system for the telescopic mast.
- Amplified and passive version.

Ultra-compact 18" direct radiation subwoofer, this model incorporates an amplifier with three channels plus DSP, it can amplify from the subwoofer up to eight units of the Bonsai

One model, four units of the Bonsai Two model or up to four units of the Pulse Bonsai. This model is made of high quality Finnish birch wood, you can choose the color of the finish.

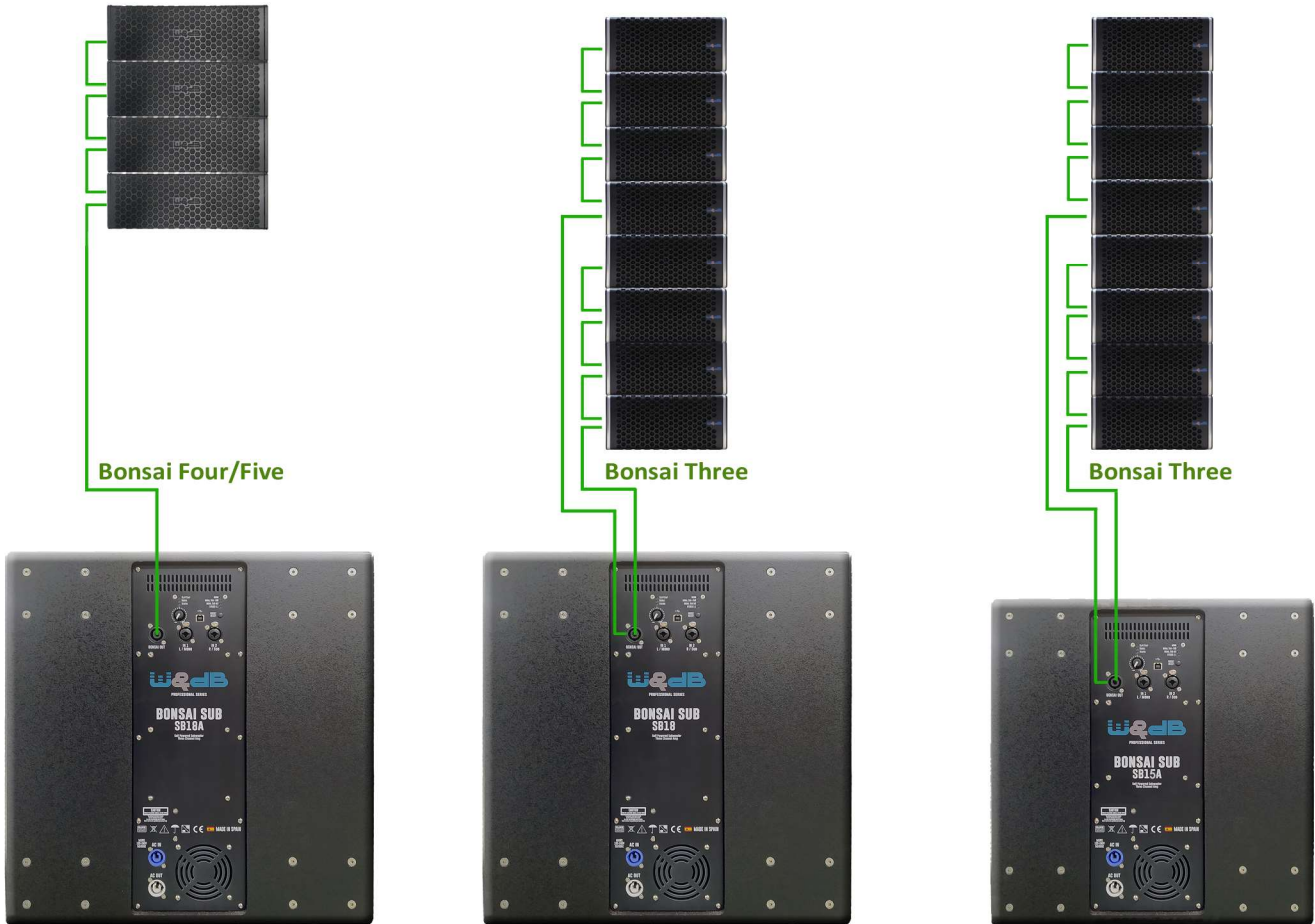
| TECHNICAL DATA         | SB 18A               |
|------------------------|----------------------|
| Speakers               | 1 x 18"              |
| Dispersion             | -                    |
| Rated impedance        | 8 Ω                  |
| AES power.             | 1200 W               |
| Max SPL (Peak)         | 131 dB               |
| Frequency response     | 35 Hz to 150 Hz      |
| Sensitivity (1W at 1m) | 104 dB               |
| Weight                 | 45 kg                |
| Geometry               | rectangle .          |
| Adjustment angle       | ----                 |
| Dimensions (LxWxD)     | 506 x 506 x 610 mm.  |
| Type of material       | Wissa Plywood Birch  |
| Flown support          | -                    |
| Finish                 | Polyurethane         |
| Color                  | RAL letter           |
| Connections            | 2 x Speakon NL4      |
| Power module           | 2000W+1000+1000W DSP |





Mini Line Array systems.

## Basic configuration by side. Self Powered Powersot



Sub channel 2000 W to 8 ohms.  
 Mid channel 1000 W to 4 ohms.  
 High channel 1000 W to 4 ohms  
 Bi-amplified, RMS power and frequency adjustment per channel. (MONO)

Sub channel 2000 W to 8 ohms.  
 Mid/high 1000 W to 4 ohms.  
 Mid/high 1000 W to 4 ohms.  
**You can do a two point one, with four units per side (Stereo).**

Sub channel 2000 W to 8 ohms.  
 Mid/high 1000 W to 4 ohms.  
 Mid/high 1000 W to 4 ohms.  
**You can do a two point one, with four units per side (Stereo).**



Sub channel 300 W to 8 ohms.  
 Mid/high 150 W to 4 ohms.  
 Mid/high 150 W to 4 ohms  
**You can do a two point one, with four units per side (Stereo).**



Sub channel 1500 W to 8 ohms.  
 Mid/high 750 W to 4 ohms.  
 Mid/high 750 W to 4 ohms  
**You can do a two point one, with four units per side (Stereo)**