RENKUS-HEINZ

# DR Series

# DRS18-2B
# DR18-2B-RD

## High Output Direct Radiating 18” Subwoofer

### Uncompromising Performance, Unequaled Versatility

The self-powered DR18-2B-RD and the externally-powered DRS18-2B 18 in. subwoofers use advanced technology and application-driven engineering to bring live sound closer to the ultimate reference point—reality.

Cutting-edge, high-power woofers and large, rock-solid enclosures in a classic vented direct radiating design provide the natural, uncolored sub-bass favored by audio professionals around the world.

Wherever audiences and operators demand the ultimate in sub-bass performance, the DR18-2B-RD and DRS18-2B subwoofers deliver the emotional impact obtainable only from 18 inch subwoofers.

All DR18-2B-RD subwoofers are RHAON II empowered for flexible analog and digital signal distribution and loudspeaker management and control over a standard Ethernet network.

### Applications

- Any application where the visceral impact of a dual-eighteen-inch subwoofer is required.
- Used singly it adds sub-bass extension or LFE for AV, House-of-Worship and other multi-media applications.
- In multiples, it’s deep extension and large cone area provide chest thumping impact for all kinds of musical performance.
- Optional handles, casters and covers make it the ultimate mobile subwoofer.

### Designed in Power & Flexibility

Sixteen, M10 Universal Mounting Points allow the DR/DRS18-2B subs to be flown using M10 eyebolts or custom rigging hardware.

The Built-in SA2000 power amplifier precisely matches the power needs of the DR18-2B-RD, provides optimal damping of the woofer and has factory optimized, multi-band limiting. The built-in amp eliminates the need for additional rack space and speaker cable runs, making adding a subwoofer to existing installs as simple as plugging it into power and running a signal to it.

Controlled via RHAON II, the SA2000’s built-in DSP has eight, fully parametric EQ filters, high and low shelf and high and low pass filters and up to 340 ms. of delay and Dante digital signal distribution capability including network redundancy and AES67 compatibility. All of these features are easily accessed and configured via a computer running RHAON II.

For applications where self-powered isn’t an option, the DRS18-2B offers the same exceptional performance without the built-in amplifier.

- **High Output**

  Outstanding, 32 Hz to 120 Hz, 136 dB peak SPL performance.
- **Eighteen-inch Woofers for Excellent Bass Response**

  Strong performance to 35 Hz.
- **Versatile**

  Optional recessed handles and casters for mobile use.
- **Optimal Subwoofer Fidelity**

  Direct radiating design with large ports assures deep, powerful bass without coloration or port noise.
- **SA2000 Amplifier**

  SA2000 amplifier offers high output, full protection limiting, analog, AES & Dante inputs.
- **Dante Digital Audio Standard**

  Dante digital signal distribution capability including network redundancy and AES67 compatibility is standard.

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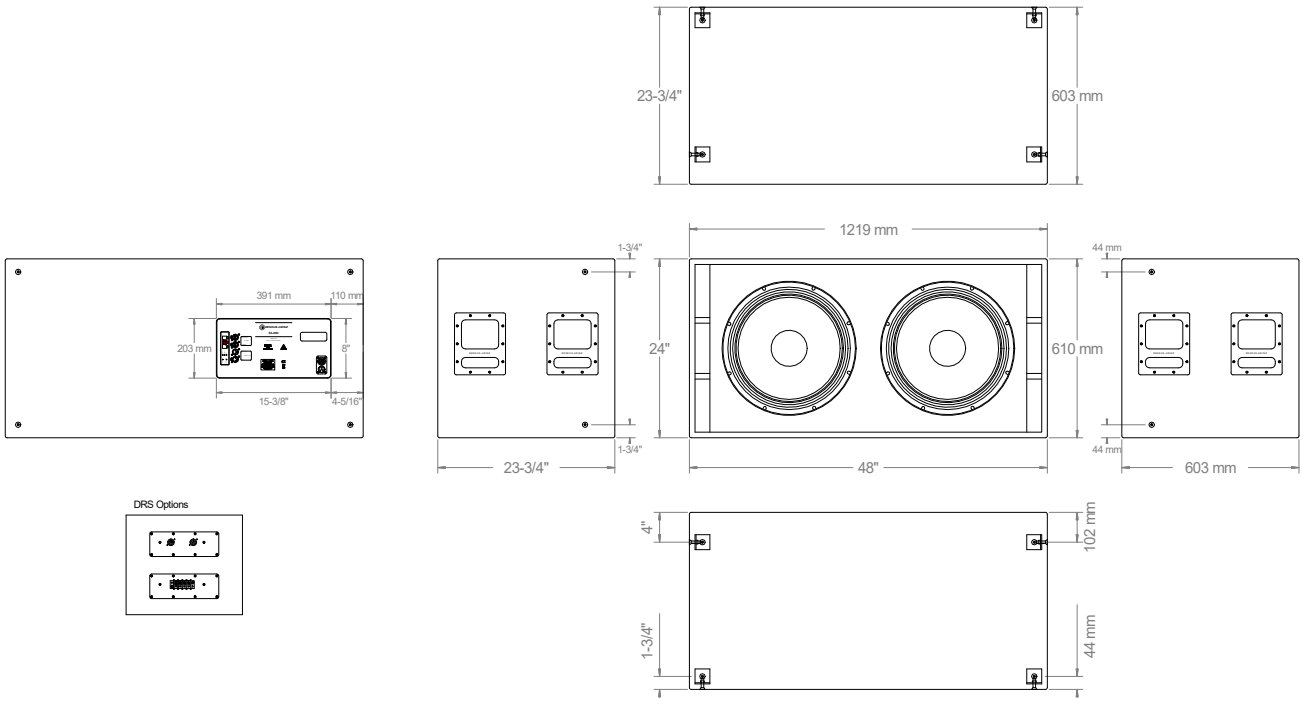
## DRS18-2B and DR18-2B-RD Technical Specifications

| | DRS18-2B | DR18-2B-RD |
|---|---|---|
| **Connector:** | 2 x speakON OR 4-position screw terminal | 2 x XLR-3, In & Loop-out, Analog and AES, 2 x RJ45 Primary & Secondary Ethernet |
| **Sensitivity:** | 101 dB 1 W/1 M (half-space) | 1 volt for rated output, analog |
| **Latency** | N/A | 6 ms plus any digital transport latency |
| **Power Handling:** | 800 W AES @ 4 Ohms | |
| **Calculated Max. SPL:** | 136 dB (peak, half space) | |
| **Crossover Frequency:** | 100 Hz low-pass | |
| **Frequency Response:** | 32 Hz to 120 Hz (+/- 3dB) | |
| **Transducers:** | Woofer: SSL18-7 | |
| **Enclosure:** | 0.75 in./19 mm plywood | |
| **Grille:** | 16 GA powder-coated, plated steel | |
| **Finish:** | Black (RAL9011) or White (RAL9010) paint, custom color available. | |
| **Mounting:** | 16 x M10 threaded Universal Mounting Points | |
| **Weight:** | 190 lbs/86.4 kg. | |
| **Dimensions:** | 48" w x 24" h x 23-3/4" d / 1219 mm w x 610 mm h x 603 mm d | |

## SA2000 Amplifier Specifications

| | SA2000-RD |
|---|---|
| **Audio Connections:** | 2 x XLR-3, In & Loop-out, Analog and AES<br>2 x RJ45 Ethernet/Dante Primary & Secondary |
| **Latency:** | 6.25 ms + Dante transport latency |
| **Max. Input Level:** | +22 dBu, Analog, 0 dBFS digital |
| **Network Connections:** | 2 x RJ45 Dante Primary & Secondary Ethernet/RHAON *(Note: Dante and RHAON share a single or redundant Ethernet network.)* |
| **User DSP:** | Eight fully parametric filters, high and low shelf, high and low pass filters, delay to 340 ms. |
| **Software:** | RHAON II |
| **Power Output:** | LF = 2 x 1000 watts, @ 8 ohms |
| **Mains Voltage:** | 100-240 volts, 50/60 Hz auto-switching |
| **Power Consumption:** | Idle: 200 mW. 1/8 power: 480 W *(onset of limiting)* 1/3 power: 1200 W *(hard limiting)* |
| **Power Connector:** | Neutrik powerCON TRUE-1 |

*Note: All analog inputs and outputs comply with AES Standard 48-2005 on interconnecting, grounding and shielding.*





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RH 539 R6, SEPT 2026