DRM18S

The DRM18S 2000W 18” Professional Powered Subwoofer delivers class-leading power via an ultra-efficient Class-D amplifier with next-gen protection and Power Factor Correction technology provides peak low-end performance when you need it.

Advanced Impulse™ DSP provides acoustic correction via precision tuned FIR filters for accurate, punchy sound typically experienced only with massive touring systems.

The DRM Control Dashboard™ features a high-contrast, full-color display for quick access metering, crossover settings, and more.

Designed to match the rest of the DRM Series perfectly, the DRM18S is stackable, flyable, and is equipped with a pole cup for maximum versatility.

APPLICATIONS:

Small to mid-size club/band PA systems, houses of worship, DJs, rehearsal spaces, gymnasiums, banquet halls, A/V rentals and many, many more.

FEATURES:

- High-efficiency 2000W Class-D amplifier offers ample headroom for professional applications
  - Universal power supply (100-240 VAC) with Power Factor Correction technology ensures consistent performance even with unstable AC power
  - Next-gen protection circuitry keeps transducers safe and ensures peak performance in all applications

- Advanced Impulse™ DSP module
  - Precision acoustic correction delivers reference quality sound that is consistent even at high SPL

- DRM Control Dashboard™ features a high-resolution full color display for easy single-knob access to configuration, processing, and more
  - View current crossover setting, high-resolution metering, and more from a single overview window
  - User adjustable variable crossover point allows for matching to any speaker system plus a DRM specific mode tailors DRM18S for full-range DRM loudspeakers
  - Save and recall up to 6 user presets for various applications and venues
  - Cardioid mode allows for easy setup of a directional subwoofer array
  - Screensaver plus dimmer and contrast control
  - Polarity Invert
  - Alignment Delay control for delay stacks
  - System lock with 4-digit passcode

- Dual independent input channels with Full-Range Direct and High-Pass outputs

- Premium components
  - Road-worthy 18mm plywood construction and internal bracing offers optimal acoustic performance with a touring-grade textured coating and powder-coated heavy gauge steel grille
  - 18” high-excursion woofer offers increased bass response, low distortion, and professional reliability to withstand the most demanding applications

- Acoustic design with no compromises
  - DRM18S is acoustically designed with ample internal volume and precision tuned ports to naturally deliver the bass you need with minimal distortion

- Versatile configuration options
  - Flyable via optional FB100 Fly Bar and FKDRM18S Flyware Kit
  - M20 threaded pole attachment for use with DRM Series loudspeakers and other pole mountable speakers

- Max SPL: 135 dB
- 90 lb / 40.8 kg
# DRM18S SPECIFICATIONS

## Acoustic Performance
- **Frequency Range (–10 dB):** 30 Hz – 120 Hz
- **Frequency Range (–3 dB):** 35 Hz – 160 Hz
- **Maximum SPL Peak:** 135 dB

## Transducers
- **Low Frequency:** 18 in / 457 mm woofer with ferrite

## Power Amplifiers
- **System Power Amplification**
  - Rated Power: 2000 watts peak
- **Low Frequency Power Amplifier**
  - Rated Power: 2000 watts peak
  - Rated THD: < 1%
  - Cooling: Convection
  - Design: Class D

## System Processing
- **Subwoofer Mode:** Normal / Invert
- **X-Over:** DRM Top / Var
- **Cardioid:** Front / Rear
- **Delay:** 0 – 100 ms

## Input / Output
- **Input Type:** 2x Female XLR Balanced and 1/4" Balanced
- **Mic-Line Impedance:** 8 kΩ balanced
- **Direct Out and High-Pass Out:** Male XLR Balanced
- **Mix Out Impedance:** 600 Ω balanced
- **Main Control:** Rotating Knob

## Line Input Power
- **Detachable line cord:** -100 – 240 VAC, 50 – 60 Hz, 110W
  - -220 – 240 VAC, 50 – 60 Hz, 110W
- **AC Connector:** 3-pin IEC 250 VAC, 10 A male
- **Power Supply Type:** Switchmode

## Safety Features
- **Input Protection:** Peak and RMS limiting, power supply and amplifier thermal protection
- **Display LEDs:** Defeatable front power, Speaker Control
- **Status Info:** Input and output levels, subwoofer mode, crossover, cardioid mode and delay setting

## Construction Features
- **Basic Design:** Rectangular
- **Enclosure Material:** 18 mm plywood
- **Enclosure Finish:** Black Polyurea
- **Grille Material:** 16-18 gauge perforated steel
- **Grille Finish:** Powder-coated black
- **Handles:** One on each side
- **Display LEDs**
  - **Front:** Power ON
  - **Rear:** Speaker Control
- **Operating Temperature:** 0 – 40 °C
  - 32 – 104 °F

## Physical Properties (product)
- **Height:** 23.3 in / 592 mm
- **Width:** 23.0 in / 584 mm
- **Depth:** 31.1 in / 790 mm
- **Weight:** 90.0 lb / 40.8 kg

## Physical Properties (packaged product)
- **Height:** 25.9 in / 658 mm
- **Width:** 28.0 in / 711 mm
- **Depth:** 35.6 in / 904 mm
- **Weight:** 102.1 lb / 46.3 kg

## Mounting Methods
- Floor mount or fly via the integrated M10 mounting points (using M10 x 1.5 x 20 mm forged shoulder eyebolts).

## Options
- **DRM18S Cover:** P/N 2036809-51
- **FKDRM18S Flyware Kit:** P/N 2051056
- **FB100 Flybar Kit:** P/N 2050041
- **CK100 Caster Kit:** P/N 2035618-01
- **SPM400 Loudspeaker Pole Mount:** P/N 2051055
- **PA-A2 Forged Shoulder Eyebolt Kit (3 x M10 x 1.5 x 20 mm):** P/N 2051054

## Ordering Information
- **DRM18S 2000W 18” Professional Powered Subwoofer, US:** P/N 2050081-00
- **DRM18S 2000W 18” Professional Powered Subwoofer, EU:** P/N 2050081-01
- **DRM18S 2000W 18” Professional Powered Subwoofer, UK:** P/N 2050081-03
- **DRM18S 2000W 18” Professional Powered Subwoofer, AU:** P/N 2050081-04
- **DRM18S 2000W 18” Professional Powered Subwoofer, CN:** P/N 2050081-05
- **DRM18S 2000W 18” Professional Powered Sub, BZ ~120V:** P/N 2050081-06
- **DRM18S 2000W 18” Professional Powered Subwoofer, AR:** P/N 2050081-07
DRM18S DIMENSIONS

WEIGHT
90.0 lb
40.8 kg

23.3 in
592 mm

23.0 in
584 mm

31.1 in
790 mm

DRM18S FREQUENCY GRAPH

Frequency (Hz)

0 dB
10 dB
20 dB
30 dB
40 dB
50 dB
60 dB
70 dB
80 dB
90 dB
100 dB
110 dB

20 dB
100
1000
10000
20000

Frequency (Hz)
DRM18S MOUNTING POINTS

DRM18S RIGGING POSSIBILITIES
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LOUD Audio, LLC. is always striving to improve our products by incorporating new and improved materials, components, and manufacturing methods. Therefore, we reserve the right to change these specifications at any time without notice.

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Electronic files for this product are available at:
www.mackie.com

Specification Sheet  DRMI8S_SS.PDF
Owner's Manual  DRMI8S_OM.PDF

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