

DSW SERIES SUBWOOFERS | THE BEST BASS ANYWHERE



SERIES | CATALOG

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DSWmicroPRO

The four DSWmicroPRO Series models are Polk's new top-of-the-line powered subwoofers. They feature proprietary digital engines for spectacular performance and convenience, as well as unprecedented optimization for room acoustic and placement conditions with features like the Polk Room Optimizer (PRO) and Automatic Polk Room Optimizer (AutoPRO™) systems. All DSWmicroPRO models are compact designs, significantly smaller than traditional subwoofers of similar performance. All four models reflect the latest styling with their grille-free design. And three of the models have a high-gloss black lacquer finish for the ultimate in home theater elegance. The DSWmicroPRO1000 is finished in satin black and may be painted to match room décor.

DSWmicroPRO 1000, 2000, 3000, 4000

- 1200 Watt digital amplifiers, massive die-cast aluminum baskets and 13 lb. motor structures.
- A 2 1/2" Glass/Epoxy voice coil former wound with four layers of heavy gauge aluminum wire to provide the highest power handling and reliability of any home subwoofer driver in Polk's history.
- Dual progressive roll spiders tightly control cone motion for the ultimate in tight, detailed and musical bass.
- Klippel Optimized Woofer—enabled Polk engineers to optimize the woofer's motor structure, voice coil alignment and suspension for the best possible performance even at extreme listening levels.
- Bottom-mounted sub-bass radiators augment deep bass response and output. With 60% more surface area than a round radiator, the square shape takes full advantage of the area available on the compact enclosure for higher efficiency, higher output and lower distortion.
- Acoustically inert 1" thick MDF enclosure panels.
- Adjustable rubber carpet spike feet for mechanical stability.
- 12V trigger input (except DSWmicroPRO1000).
IR input (except DSWmicroPRO1000).
Universal voltage operation (120V And 220V).



DSWmicroPRO4000



DSWmicroPRO3000

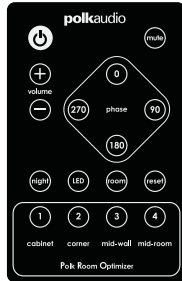
polk
technology

FEED FORWARD DISTORTION SUPPRESSION TECHNOLOGY

This technology maximizes acoustic output as it reduces audible distortion. Feed Forward is a zero latency system that maximizes dynamic output of the subwoofer system, without relying on slow responding feedback techniques or broad band dynamic compression, which squeeze the life out of the low end. What you hear is quick, precise bass output with minimal audible distortion, even at ground shaking volume levels.

REMOTE CONTROL

- Credit card-sized remote control to adjust volume, phase (0, 90, 180 and 270 degree settings), mute, and select the PRO presets.
- “Night” function compresses the dynamic range of the woofer’s output so you hear all the low-level bass detail on the program material without resorting to loud listening.
- “Reset” button on the remote restores the woofer’s settings to factory presets.
- Blue LED behind the woofer’s logo badge blinks to confirm the subwoofer has received and responded to the remote’s instructions.



REMOTE CONTROL

DSWmicroPRO4000

POWERED SUBWOOFER
 16 3/4" H X 15 1/2" W X 16 1/2" D (42.5CM H X 39.37CM W X 41.91CM D)
 OVERALL FREQUENCY RESPONSE 19Hz - 140kHz.

DSWmicroPRO3000

POWERED SUBWOOFER
 14 1/8" H X 12 1/2" W X 13 1/2" D (35.9CM H X 31.75CM W X 34.29CM D)
 OVERALL FREQUENCY RESPONSE 25Hz - 200kHz.

DSWmicroPRO2000

POWERED SUBWOOFER
 12 5/8" H X 11" W X 12 3/4" D (32.07CM H X 27.94CM W X 32.38CM D)
 OVERALL FREQUENCY RESPONSE 29Hz - 200kHz.

DSWmicroPRO1000

POWERED SUBWOOFER
 12 5/8" H X 11" W X 12 3/4" D (32CM H X 27.94CM W X 32.39CM D)
 OVERALL FREQUENCY RESPONSE 29Hz - 200kHz.

SEE SPECIFICATIONS FOR MORE DETAILED PRODUCT INFORMATION.



BLACK



DSWmicroPRO2000



DSWmicroPRO1000

AUTO PRO (AUTOMATIC POLK ROOM OPTIMIZER)

AutoPRO is an in room optimization system which measures (by means of a supplied microphone) the response peaks created by standing waves (room modes) and flattens in-room response. AutoPRO preserves the dynamics and transient response of the woofer system by optimizing the in-room time response of the system rather than simply equalizing the steady state response. Polk’s unique method effectively eliminates boomy response problems while preserving dynamics and transient response for bass performance that is tight, musical and punchy.



DSWPRO

The all-new DSW_{PRO} Series represents more than a significant step forward in subwoofer performance. Rather, with the incorporation of two proprietary Polk Audio technologies, Feed Forward and PRO™, each of which clearly offer discernable benefits—you might want to think of the new subwoofer performance standard.

DSWPRO400, DSWPRO500, DSWPRO600

- Klippel Optimized Woofer motor structure, voice coil alignment and suspension for the best possible performance even at extreme listening levels.
- Class D Amplifier. The efficiency of a Class D digital amplifier translates into high-power, and cool, reliable operation with low distortion.
- Polypropylene Cones are stiff yet lightweight for high efficiency and real precision for tight, punchy bass.
- Downward Radiating Slot Port lessens turbulence, noise and distortion; you get all the bass—every time.
- Front-Firing Application Repositionable Feet allow you to orient the subwoofer on its “back” to turn it into a front-firing woofer when you want to hide DSW_{PRO} Series subs away in cabinets.

DSWPRO600

POWERED SUBWOOFER

17 1/8" H X 16 1/2" W X 16 1/2" D (43.5CM H X 41.91CM W X 41.91CM D)

OVERALL FREQUENCY RESPONSE 20Hz - 160kHz.

SEE SPECIFICATIONS FOR MORE DETAILED PRODUCT INFORMATION.



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DSWPRO600

polk
technology

POLK ROOM OPTIMIZER™ (PRO™)

The DSW_{PRO} Series remote control incorporates the Polk Room Optimizer (PRO) feature, four push-button room equalization presets that correct for room boundary effects for typical room placements: “Cabinet,” “Corner,” “Mid-Wall” and “Mid-Room.” No matter where you place your DSW_{PRO} Series Sub, you’re assured great bass performance.



- Optional grilles available for all models.
- Line and speaker level inputs ensure easy hook-up compatibility with virtually any system; Unfiltered LFE input for use with low-pass filtered subwoofer output jacks.
- Amplifier features—adjustable low-pass crossover, phase switch and subwoofer volume control to more easily control your bass output and the sub's blending characteristics with your front stage speakers.
- Signal-sensing "smart amp" auto ON/OFF circuitry "knows" when to turn itself on and off.
- Rock-solid MDF enclosure construction suppresses enclosure panel resonance for distortion-free, accurate response.
- 5-way binding posts give you lots of hookup versatility and tight, snug connections.
- DSW^{PRO} subs are easily paintable to match any room.

DSW^{PRO}500

POWERED SUBWOOFER

16 1/8" H X 15 1/2" W X 15 1/2" D (40.96CM H X 39.37CM W X 39.37CM D)
OVERALL FREQUENCY RESPONSE 23Hz - 160kHz.

SEE SPECIFICATIONS FOR MORE DETAILED PRODUCT INFORMATION.



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- DSW^{PRO} Series subwoofers come with a credit card-sized remote control and have the following features:
 - Adjust subwoofer volume
 - 4-button phase control (0°, 90°, 180° and 270° settings).
 - 4-button Polk Room Optimizer (PRO™) presets.
 - Mute function.
 - Night function, which compresses the dynamic range of the woofer's output, so you hear low-level bass detail at lower volumes.
 - Reset button restores the woofer's settings to factory presets. Blue LED behind the woofer's logo badge blinks to confirm the subwoofer has received and responded to the remote's instructions.
 - The LED can be turned off.

DSW^{PRO}400

SUBWOOFER

14 5/8" H X 13 3/4" W X 13 3/4" D (37.15CM H X 34.92CM W X 34.92CM D)
OVERALL FREQUENCY RESPONSE 25Hz - 160kHz.

SEE SPECIFICATIONS FOR MORE DETAILED PRODUCT INFORMATION.



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DSW^{PRO}500DSW^{PRO}400

DSW SERIES SUBWOOFERS | PRODUCT SPECIFICATIONS

POWERED SUBWOOFERS

| | DSWmicroPRO4000 | DSWmicroPRO3000 |
|--------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------|
| Driver Complement | 1 - 12" (30.5cm) | 1 - 10" (25.4cm) |
| Port Type | Quadrilateral Fluid Coupled Bass Radiator | Quadrilateral Fluid Coupled Bass Radiator |
| Frequency Response: Overall / -3dB Limits | 19Hz - 140Hz / 24Hz - 90Hz | 25Hz - 200Hz / 28Hz - 130Hz |
| Continuous Power (Average Output) | 1200 Watts | 1200 Watts |
| Dynamic Power | 2400 Watts | 2400 Watts |
| Crossover Frequency | n/a | n/a |
| Inputs | speaker level, line, IR, AutoPRO mic, 12V Trigger & LFE (unfiltered) | speaker level, line, IR, AutoPRO mic, 12V Trigger & LFE (unfiltered) |
| Outputs | speaker level, line | speaker level, line |
| Magnetic Shielding | yes | yes |
| Available Finish | gloss black | gloss black |
| Product Weight / Shipping Weight (+/- 3 lbs/kgs) | 56.8 lbs each / 56.8 lbs each (25.8 kg each / 25.8 kg each) | 44.7 lbs each / 44.7 lbs each (20.3 kg each / 20.3 kg each) |
| Dimensions | 16 3/4" H x 15 1/2" W x 16 1/2" D 42.54cm H x 39.37cm W x 41.91cm D | 14 1/8" H x 12 1/2" W x 13 1/2" D 35.9cm H x 31.75 cm W x 34.29cm D |
| Feed-Forward Distortion Suppression Technology | yes | yes |
| AutoPRO In-Room Optimization System | yes | yes |
| PRORoom Boundary Presets | yes | yes |
| Remote Control | yes | yes |
| IR Input | yes | yes |

POWERED SUBWOOFERS

| | DSWmicroPRO2000 | DSWmicroPRO1000 |
|--------------------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------|
| Driver Complement | 1 - 8" (20.32cm) | 1 - 8" (20.32cm) |
| Port Type | Quadrilateral Fluid Coupled Bass Radiator | Quadrilateral Fluid Coupled Bass Radiator |
| Frequency Response: Overall / -3dB Limits | 29Hz - 200Hz / 32Hz - 140Hz | 29Hz - 200Hz / 32Hz - 140Hz |
| Continuous Power (Average Output) | 1200 Watts | 1200 Watts |
| Dynamic Power | 2400 Watts | 2400 Watts |
| Crossover Frequency | n/a | n/a |
| Inputs | speaker level, line, IR, AutoPRO mic, 12V Trigger & LFE (unfiltered) | speaker level, line, & LFE (unfiltered) |
| Outputs | speaker level, line | speaker level, line |
| Magnetic Shielding | yes | yes |
| Available Finish | gloss black | gloss black |
| Product Weight / Shipping Weight (+/- 3 lbs/kgs) | 34 lbs each / 34 lbs each (15.4 kg each / 15.4 kg each) | 34 lbs each / 34 lbs each (15.4 kg each / 15.4 kg each) |
| Dimensions | 12 5/8" H x 11" W x 12 3/4" D 32.07cm H x 27.94cm W x 32.38cm D | 12 5/8" H x 11" W x 12 3/4" D 32.07cm H x 27.94cm W x 32.38cm D |
| Active Woofer | 8" | 8" |
| Sub Bass Radiator | 8" x 8" | 8" x 8" |
| Continuous Power | 1200 Watts | 1200 Watts |
| Dynamic Power | 2400 Watts | 2400 Watts |
| Feed-Forward Distortion Suppression Technology | yes | yes |
| AutoPRO In-Room Optimization System | yes | no |
| PRORoom Boundary Presets | yes | yes |
| Remote Control | yes | yes |
| IR Input | yes | no |

**POWERED
SUBWOOFERS**

| | DSWPRO600 | DSWPRO500 | DSWPRO400 |
|--------------------------------------------------|-----------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|
| Driver Complement | 1 - 12" (30.5cm) | 1 - 10" (25.4cm) | 1 - 8" (20.32cm) |
| Port Type | Downward Radiating Slot Port | Downward Radiating Slot Port | Downward Radiating Slot Port |
| Frequency Response: Overall / -3dB Limits | 20Hz - 160kHz / 25Hz - 125Hz | 23Hz - 160kHz / 30Hz - 125Hz | 25Hz - 160kHz / 30Hz - 125Hz |
| Continuous Power (Average Output) | 250 Watts | 200 Watts | 180 Watts |
| Dynamic Power | 500 Watts | 400 Watts | 360 Watts |
| Crossover Frequency | n/a | n/a | n/a |
| Inputs | speaker level, line, & LFE (unfiltered) | speaker level, line, & LFE (unfiltered) | speaker level, line & LFE (unfiltered) |
| Outputs | speaker level, line | speaker level, line | speaker level, line |
| Magnetic Shielding | yes | yes | yes |
| Available Finish | black | black | black |
| Product Weight / Shipping Weight (+/- 3 lbs/kgs) | 45 lbs each / 51 lbs each (20.4 kg each / 23.15 kg each) | 41 lbs each / 47 lbs each (18.6 kg each / 21.31 kg each) | 30 lbs each / 35 lbs each (13.6 kg each / 15.9 kg each) |
| Dimensions | 17 1/8" H x 16 1/2" W x 16 1/2" D 43.5cm H x 41.91cm W x 41.91cm D | 16 1/8" H x 15 1/2" W x 15 1/2" D 40.96cm H x 39.37cm W x 39.37cm D | 14 5/8" H x 13 3/4" W x 13 3/4" D 37.15cm H x 34.92cm W x 34.92cm D |
| Driver Complement | 12" long throw, magnetically shielded | 10" long throw, magnetically shielded | 8" long throw, magnetically shielded |
| Feed-Forward Distortion | yes | yes | yes |
| proRoom Boundary Presets | yes | yes | yes |
| Remote Control | yes | yes | yes |

We're fanatics when it comes to providing you useful, accurate information that can help you evaluate our products. But as we all know, we live in an imperfect world. At least some of us do. That's why performance specifications and product dimensions are subject to change without notice. For the most current specifications see our website, www.polkaudio.com/home.

Polk Audio is an award-winning designer and manufacturer of high performance audio products and the largest audio brand of Directed Electronics, Inc. (NASDAQ, DEIX). Founded in 1972 by three Johns Hopkins University graduates, Polk Audio holds over 50 patents for advances in audio design and technology. Polk's products include loudspeakers and electronic components for home, auto and marine applications, the first satellite radio home component tuner, the world's first audiophile-grade active IP-addressable loudspeaker, the first THX® Ultra2 Certified in-ceiling loudspeaker and I-Sonic®—the first Entertainment System to include HD™ Radio, XM® Connect & Play capability and a DVD player. Polk products are available through authorized specialist consumer electronics retailers worldwide. For more information and the location of a Polk retailer or distributor in your area, visit www.polkaudio.com or call us at 1-800-377-7655 (USA and Canada). Outside of North America call +1 (410) 358-3600.

Polk Audio is a Directed Electronics company which trades on NASDAQ under the symbol DEIX. Investor information can be found at <http://investor.directed.com>.

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