



BLACK 18|SUB

2400 WATT 18" ACTIVE SUBWOOFER WITH WIRELESS CONNECTIVITY
TECHNICAL SPECIFICATIONS



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WIRELESS CONNECTIVITY

Designed and tuned in the USA, Black Series powered subwoofers offer more power, more agility, and more intelligence than any other speaker in their class.

The cabinet features sturdy plywood construction with an anti-scuff coating. The steel grille is finished in a professional-grade powder coating. Custom-molded handles allow easy transport. Steel-reinforced rubber feet provide excellent stability. A pole-mount socket (35mm) is fitted into every model. Standard M10 rigging points allow the Black 18 Sub to be flown. The illuminated logo nameplate can be switched off for more discreet installations.

The Black 18 Sub features two XLR+1/4" combo inputs controlled by a single level control. The dual XLR outputs can be set to bypass the internal crossover. A convenient polarity switch provides instant phase correction. The internal DSP EQ can be accessed directly from the rear panel or Live Drive app. All models include a ground lift switch to minimize any unexpected ground loop hum at the venue.

Live Drive is the wireless remote control app available for iPhone, iPod touch, and iPad. Available at the App Store, Live Drive for the Alto Professional Black Series provides remote wireless control over the internal DSP/EQ, Time Alignment, Level and Mute status. The Live Drive app allows each Black Series loudspeaker and subwoofer to be quickly re-adjusted at any time, and from any location to assure peak performance in every venue.



FEATURES

- 2400 Watts peak Class D power (1200 Watts continuous)
- Powerful 18" low-frequency, long-excursion driver
- Stereo inputs: XLR 1/4" combo connector
- Stereo XLR outputs: with user-selectable high-pass filter
- Specifically crafted, purpose-matched components for maximum efficiency and industry-leading power
- Adjustable level and polarity controls
- Switch to turn off logo LED
- Portable design with comfortable, custom-molded handles
- Heavy-duty vented plywood cabinet
- Rugged, highly durable scratch-resistant finish
- Extremely durable powder-coated steel speaker grille
- Steel-reinforced rubber feet
- Standard 35mm pole socket
- Designed and tuned in the U.S.A.

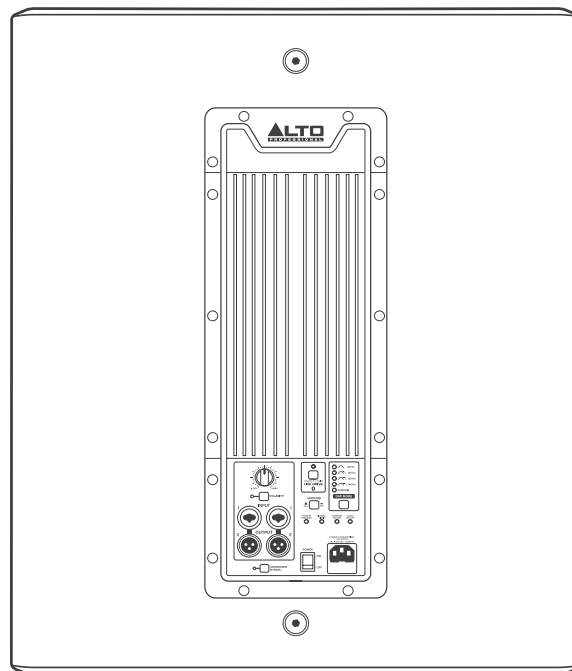
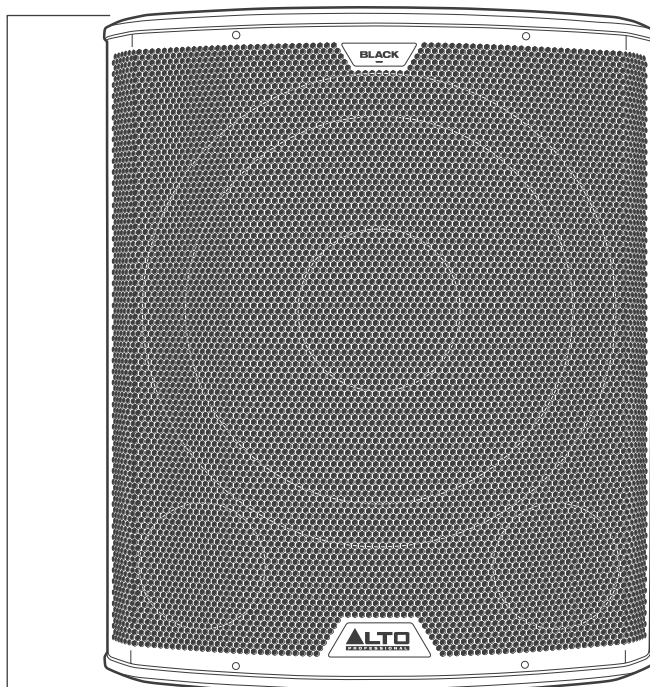
SPECIFICATIONS

SYSTEM CONFIGURATION: <div>System Type:18" bass reflex, direct-radiating, subwoofer</div>		<div>Power Connector:Male IEC</div> <div>Current Requirement:6 A per system @ 120 VAC. 3 A per system @ 240 VAC</div> <div>AC Line Cord:9.8' (3m) IEC female, to regional AC male, 18 AWG.</div>
ACOUSTIC PERFORMANCE: <div>Frequency Range (-10 dB):27 Hz – 160 Hz</div> <div>Frequency Response (+/-3 dB):29 Hz – 140 Hz</div> <div>Maximum Peak SPL (Measured):133 dB @ 1 m</div>		CONNECTORS AND CONTROLS: <div>Input Connectors:2 x XLR/TRS combo connectors, balanced</div> <div>Input Impedance:10 KΩ balanced, 20 KΩ unbalanced</div> <div>Input level Controls:Rotary volume control to control subwoofer level</div> <div>Acoustic Polarity:Positive voltage applied to XLR Pin 2 generates positive pressure from LF driver. Reversible via rear panel switch.</div> <div>Output Connector:2 x male XLR, with loop-through high-pass filter bypass via by rear panel switch.</div> <div>Output Mix Control:Switch to select output mix Pre- or Post- volume control</div> <div>Ground Switch:Push-button to lift input signal input ground connection</div> <div>Bluetooth:Momentary contact to initiate Bluetooth pairing mode</div> <div>DSP Mode Selection:Momentary contact to cycle through DSP EQ modes</div> <div>DSP Modes Available:5 total: 80 Hz, 100 Hz, 120 Hz, 140 Hz, User</div> <div>DSP Wireless Control:Alto Professional Live Drive™ iOS App over Bluetooth</div> <div>Grille Logo LED On/Off Control:Recessed push-button switch</div> <div>Standby mode On/Off Control:Recessed push-button switch</div> <div>LED Indicators:Signal Present / Limit, Power / Standby</div> <div>Line Input Level Control Range:-∞ to +10 dB, detented at 0 dB, +4 dBu nominal input level, +10 dBu input level for max output</div>
POWER AMPLIFICATION: <div>Peak Power:2400 Watts</div> <div>Continuous Power:1200 Watts</div> <div>Amplifier Topology:Class D / Switching</div> <div>Amplifier Cooling:Passive</div>		
TRANSDUCER: <div>LF Transducer:18" (300mm) ultra-high excursion cone transducer, 4" (100mm) voice coil, ferrite magnet</div>		
DSP FUNCTIONALITY: <div>System Control:high-pass & low-pass crossover filters, transducer EQ and time alignment transducer excursion, thermal, and amplifier clip protection.</div> <div>User Controls:Rear panel selection of 5 DSP low-pass modes: (80 Hz, 100 Hz, 120 Hz, 140 Hz, User) Polarity reverse enable/disable XLR out high-pass filter bypass enable/disable</div>		
WIRELESS CONTROL AND MONITORING: <div>Wireless Type:Bluetooth 2.0 + EDR. Class 2 RF</div> <div>Wireless Range (typical):82' (25m) clear line-of-sight.</div> <div>Wireless Control App:Alto Professional Live Drive™ (Available at the App Store)</div> <div>Simultaneous Devices Connectable:1 to 3 Black series loudspeakers</div> <div>Compatible Wireless Devices:iPhone 3GS and newer, iPad 2 and newer, iPod touch (4th generation) and newer</div> <div>iOS Version Requirements:iOS 6.1 and newer</div> <div>Wireless Control Features:Level Control (-∞ to + 10 dB), Mute, Signal level metering (-70 to 0 dB) DSP Low pass mode (80 Hz, 100 Hz, 120 Hz, 140 Hz, User) Rear Panel control lockout, Bass-Tilt EQ, Delay, Polarity, User low-pass filter, Monitoring (Limit, Peak, Fault)</div>		
AC LINE POWER: <div>Power Supply Design:Fully regulated switching, with Power Factor Correction</div> <div>Input Voltage Nominal Range:100 – 240 VAC, 50/60 Hz</div> <div>Input Voltage Operating Range:90 – 264 VAC, 50/60 Hz</div> <div>Voltage Selection:Automatic (self-regulating)</div>		ENCLOSURE: <div>Construction:15mm and 18mm premium plywood</div> <div>Finish:High-durability textured catalyzed polyurethane, black</div> <div>Mounting:12 x M10 female threaded screw sockets</div> <div>Handles:2 x ergonomic handles with aluminum cross-bar</div> <div>Stand mount:1 x 35mm female socket</div> <div>Grille:1.2mm-thick perforated steel, black powder-coat</div> <div>Operating Temperature:-10°C to 40°C (14°F to 104°F)</div> <div>Dimensions (H x W x D)632mm x 523mm x 721mm (24.9" x 20.9" x 28.4")</div> <div>Net Weight:47.6 kg (104.7 lbs)</div>

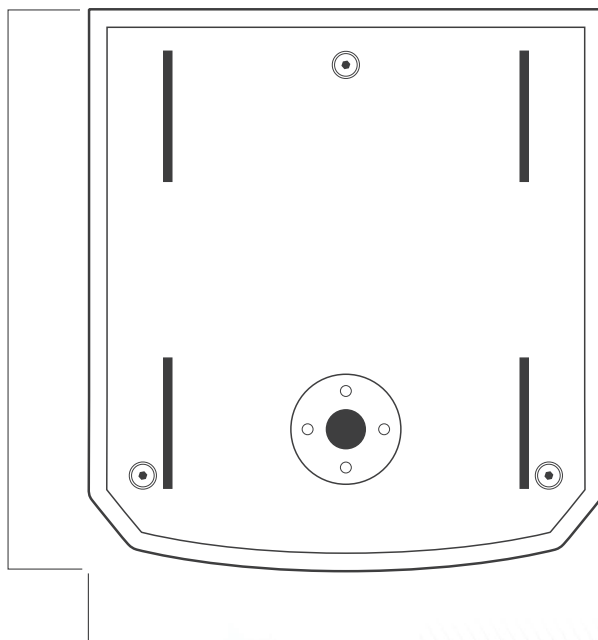
PHYSICAL PROPERTIES

Height	632mm (24.9")
Width	523mm (20.9")
Depth	721mm (28.4")
Net Weight	47.6 kg (104.7 lbs)

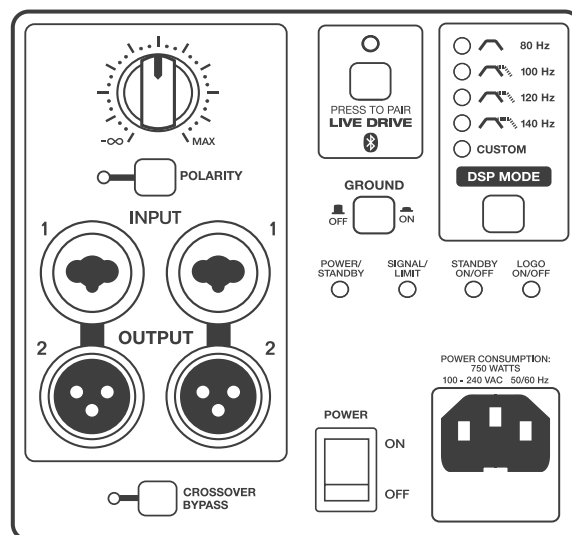
632mm
(24.9")



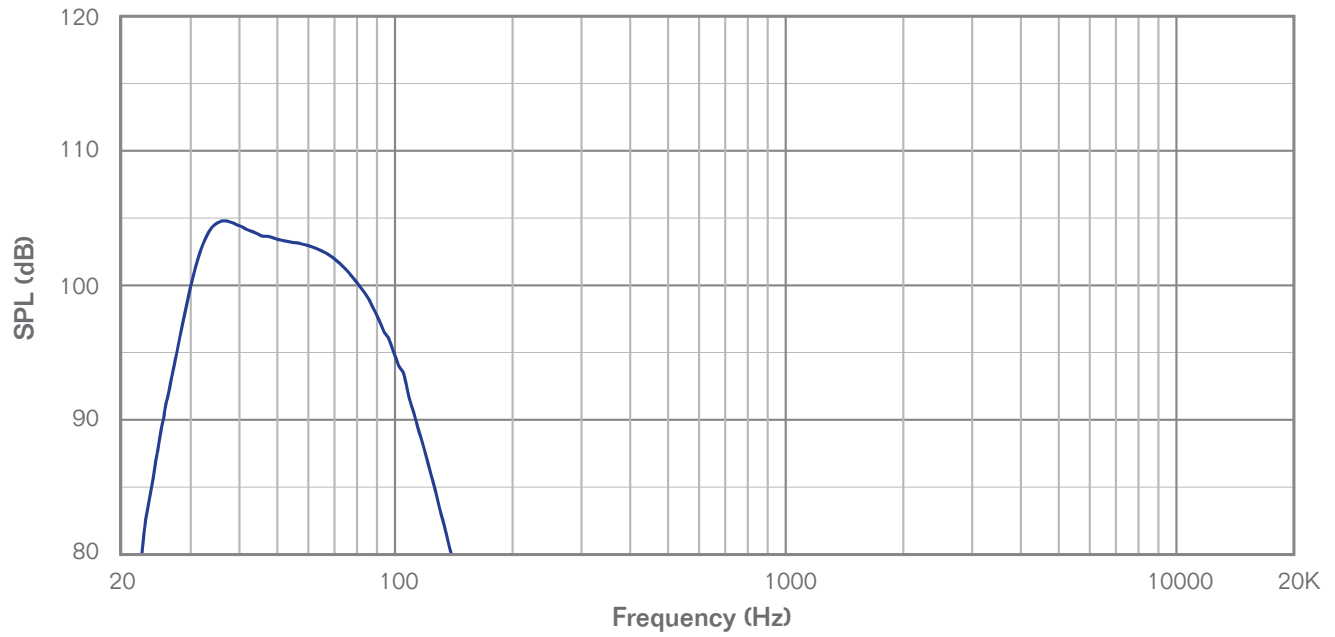
721mm
(28.4")



523mm
(20.9")



FREQUENCY RESPONSE ON-AXIS





BLACK 18 SUB



USA | WORLD HEADQUARTERS

200 Scenic View Drive
Cumberland, RI
02864
USA
Tel: 401.659.8135
Fax: 401.658.3640

UNITED KINGDOM

Unit 3, Nexus Park
Lysons Avenue
Ash Vale
HAMPSHIRE
GU12 5QE
ENGLAND
Tel: +44.1252.896000
Fax: +44.1252.896021

GERMANY | WILlich

Halskestr. 16-18
47877 Willich
GERMANY
Tel: +49.2154.812990
Fax: +49.2154.812999

GERMANY | BREMEN

Osterstr. 28/29
D-28199 Bremen
GERMANY
Tel: +49.421.16039-001

BRAZIL

RUA General Flores,
290 - cj 134/135
Bom Retiro
São Paulo — SP
01129-010
BRAZIL
Tel: +551132234820
Fax: +551133370579

PERU

437 Av. Larco
Miraflores
Lima 18
PERU
Tel: +51981096189
Fax: 401.223.6767

JAPAN

6F, 3-19-23, Minami-Azabu
Minato-ku, Tokyo
106-0047
JAPAN
Tel: +81.3.6277.2230
Fax: +81.3.6277.0025

TAIWAN

7F, #165, Naking East Road, Sec. 4,
Taipei 105
TAIWAN
Tel: 886.2.2717.2389
Fax: 88 6.2.2717.2734