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CUT SHEET



SUBLIM8

3-Way Self-Powered Full Range
Column Speaker System

Overview

BASSBOSS isn't making a column loudspeaker.

The column loudspeaker is usually defined by a row of small speakers stacked up in the shape of a column, but the origin of the column was as an element of structure, something of substance that provided support and inspired confidence. Our column was conceived as just such a solid structure, to house a very powerful loudspeaker, with the capability to support big dreams, bold ambitions and wild festivities. The Sublim8 is a loudspeaker system in the form of a column. It is not a column loudspeaker. Here's how you can tell.

The Sublim8 is built from Birch plywood and uses premium quality components that can actually do the duty they are called upon to do. The design of the system provides the column speaker aesthetic and ease of use without leaving you with a column of compromises.

The Sublim8 is a 3-way active system. The subwoofer section features an 18", long-excursion, high-powered, 4" voice coil Neodymium motor driver in a Birch cabinet, which also houses the 3-channel amplifier and the DSP. One of the amp channels drives the subwoofer, while the other two power the mid-bass and high-frequency drivers respectively. There are two 8" mid-bass drivers in the top section, and between those two woofers is a something you won't see in any other column, a 3" voice coil, 1.4" throat high-frequency compression driver mounted to an isophasic waveguide. This configuration clearly differentiates the Sublim8 from column loudspeaker systems that rely on many small drivers to take care of upper end of the audible range.

The thoughtful design and impressive structure of the Sublim8 dramatically increases the size of the crowds that can be covered. When the front row doesn't block the sound from getting to the back of the venue, that's because the Sublim8 places its mid and high frequency drivers above the heads of the audience so everyone can hear clearly. When the sound projected to the back row maintains every detail, that's because of the equal spacing between the HF horn and each of the mid-bass drivers. When the people off to the sides can hear as well as those out front, that's because the exit from the dedicated HF waveguide is only 1" wide so it doesn't narrow the spread of high-frequency waves. There are many more ways that the Sublim8 design maximizes the potential of the column structure without falling victim to the common column compromises.

Setting up the Sublim8 is so much easier than you're expecting. You won't need a crew to lift big, heavy loudspeakers in order to deliver a big, heavy sound. The whole setup process can be completed by one person. First, the transport cart is included, so the subwoofer unit as well as the mid and high sections roll in on it together. After removing the two top sections, there's no need to lift the subwoofer from the cart because it tilts off the cart. The sub is then tilted onto its side. The dolly serves to support and align the mid and high sections with the sub, allowing them to link together while still horizontal. Finally, the complete assembly provides huge leverage that makes it easy to raise the system to its full 9-foot height.

To keep things as light and as convenient as possible, the middle section of the column is hollow and open at the back, allowing cables and other accessories to be stored within the unit itself. No hardware is needed to secure the Sublim8; the included NL-4 connecting cable prevents the middle and top sections from sliding apart while the unit is in use.

To top it all off, this structural column is actually designed for light fixtures to be mounted to its top, and even includes a power outlet for a light! You may not need that truss tower any more!

If you need to take it to the extremes, the driver cones are waterproof, the grilles are backed with hydrophobic cloth and the power connectors are IP65-rated.



Pre-Installed Onboard Presets

High-pass filters with included phase compensation.

Preset 1	32Hz high-pass filter
Preset 2	34Hz high-pass filter
Preset 3	36Hz high-pass filter
Preset 4	36Hz high-pass filter
Preset 5	38Hz high-pass filter
Preset 6	40Hz high-pass filter
Preset 7	40Hz high-pass filter
Preset 8	Preset 8 Maximum SPL 42Hz high-pass filter

Presets 1-8 provide 8 steps between maximum low frequency extension (Preset 1) and maximum SPL (Preset 8). Higher-numbered presets are recommended for pairing the Sublim8 with additional BASSBOSS subs.

Preset 1: Heavy Bass Mode: 32Hz and up. Deep, dark, dangerous

Preset 2: Still heavy, 34Hz and up, less dark and dangerous

Preset 3: Just on the heavy side, 36Hz and up

Preset 4: Same bottom, more top. 36Hz and up, brighter balance

Preset 5: Smooth and even. 38Hz and up

Preset 6: More flat than fat, 40Hz and up, more loud for the crowd

Preset 7: Big and bright. 40Hz and up, letting the highs shine

Preset 8: Big crowd, get loud! Top on top. 42Hz and up.

If you have more subs, this is where you'll need them

All presets are compatible with all BASSBOSS subwoofer models and other presets.

Additional presets are accessible through software.

See "How to Use the Presets" section for more information

IMPORTANT - Update NOW!

ControlBASS + Settings

For improved performance and stability, update your settings immediately after opening your new gear!

Major new updates are available.

The most up-to-date information on presets can be found here:
bassboss.com/sublim8presets

We recommend listening to each preset and choosing the one that sounds best for your application.

Download new settings updates and the ControlBASS app at
bassboss.com/software

Instructions on using the software, linking to your computer for remote monitoring and control and updating the settings files will be provided when you sign up!

Register your gear
bassboss.com/support

For more information and setup tips on how to get the best and most out of your system check out the Knowledge BASS
help.bassboss.com

Specifications

Acoustical

Loudspeaker Description	Self-powered, 3-Way Active Full Range Loudspeaker Column
Frequency Response (± 3 dB)	35Hz - 19,000Hz
Maximum Measured SPL	130 dB (half-space)
Max calculated SPL (Peak)	133 dB (half-space)
Nominal Dispersion (H° x V°)	120 x 20

Electrical

Amplification	4000W Class D (2400W LF + 800W MF + 800W HF)
Processing	Integrated comprehensive DSP. 96kHz sampling rate with 8 pushbutton presets. All presets include high pass filters, low pass filters, phase alignment, equalization and multi-stage limiting. Storage capacity for up to 100 presets
Electrical Input Connector, Amp	Neutrik powerCON True 1 TOP IP65 rated waterproof connectors
Electrical Connector, Mains	USA 3-pin grounding 120V electrical plug: NEMA 5-15; Outside USA alternate connectors provided
Voltage Operating Range	100-240V AC, 50-60Hz (Auto-sensing, auto switching universal supply)
Current Draw, Nominal	5.4A @ 120V (nominal), 2.5A @ 240V (nominal)
Display	LEDs for Power on/ready, Signal, -12dB, -6dB, Limiter Active, Thermal, Protect and LAN Link Active. Eight LEDs indicating selected preset
Signal Input Connector	XLR-F
Signal Output Connector	XLR-M (Direct pass-through, unprocessed)
LAN Connectors	EtherCON RJ45 (x2) with 2-port Ethernet switch

Physical

Enclosure Type	3-Way Full-Range Loudspeaker System. Vented direct radiator subwoofer cabinet, vented direct radiator mid-bass cabinet with Isophasic waveguide loaded High Frequency section and an interlocking spacer.
Transducer LF	1 x 18 in. diameter (450mm) neodymium motor woofer with 4 in. (100mm) voice coil, waterproof cone
Transducer MHF	2 x 8" diameter (210mm) neodymium motor woofers with dual 2" (51mm) voice coils and waterproof cones
Transducers, HF	1 x 3 in. (76mm) diameter diaphragm compression driver with 1.4" (35mm) exit mounted to isophasic wave guide
Cabinet Construction	CNC machined 15 and 18mm Birch plywood with extensive bracing and dado joinery. 3 interlocking sections: sub, spacer and top. 6 handles (2 per section).
Suspension Points	None. Attachment to secure a light fixture is provided in the top section.
Dimensions (Transport)	34" x 37" x 25.75" (86.36 x 93.98 x 65.41 cm)
Dimensions (Assembled)	106" x 19.75" x 24"
Dimensions (Top)	36" x 8.5" x 11.25" (91.44x 21.59 x28.58 cm)
Dimensions (Sub)	36" x 19.75" x 24" (91.44 x 50.17 x 60.96 cm)
Dimensions (Spacer)	36" x 8.5" x 11.25" (91.44x 21.59 x28.58 cm)
Net Weight	200 lbs (90.7 kg) Spacer: 22 lbs Top: 39 lbs Sub: 100 lbs (10 x 17.6 x 45.45 kg)
Shipping Weight	230 lbs (104 kg)
Exterior Finish	High-pressure, bonded polyurea coating. Rugged, waterproof. Black or white
Grilles	Perforated, powder-coated steel with hydrophobic backing
What's Included	Subwoofer Cabinet, Mid-high cabinet, Spacer cabinet, Pass-through speaker interconnect cable, pass-through power cable, (for lighting) Transport Dolly Cart with 4 locking 4" casters, Subwoofer Cover, Mid-high cover, Spacer Cover, 15-foot (5m) Power Cord, Owner's Manual, Warranty Registration Card

Included

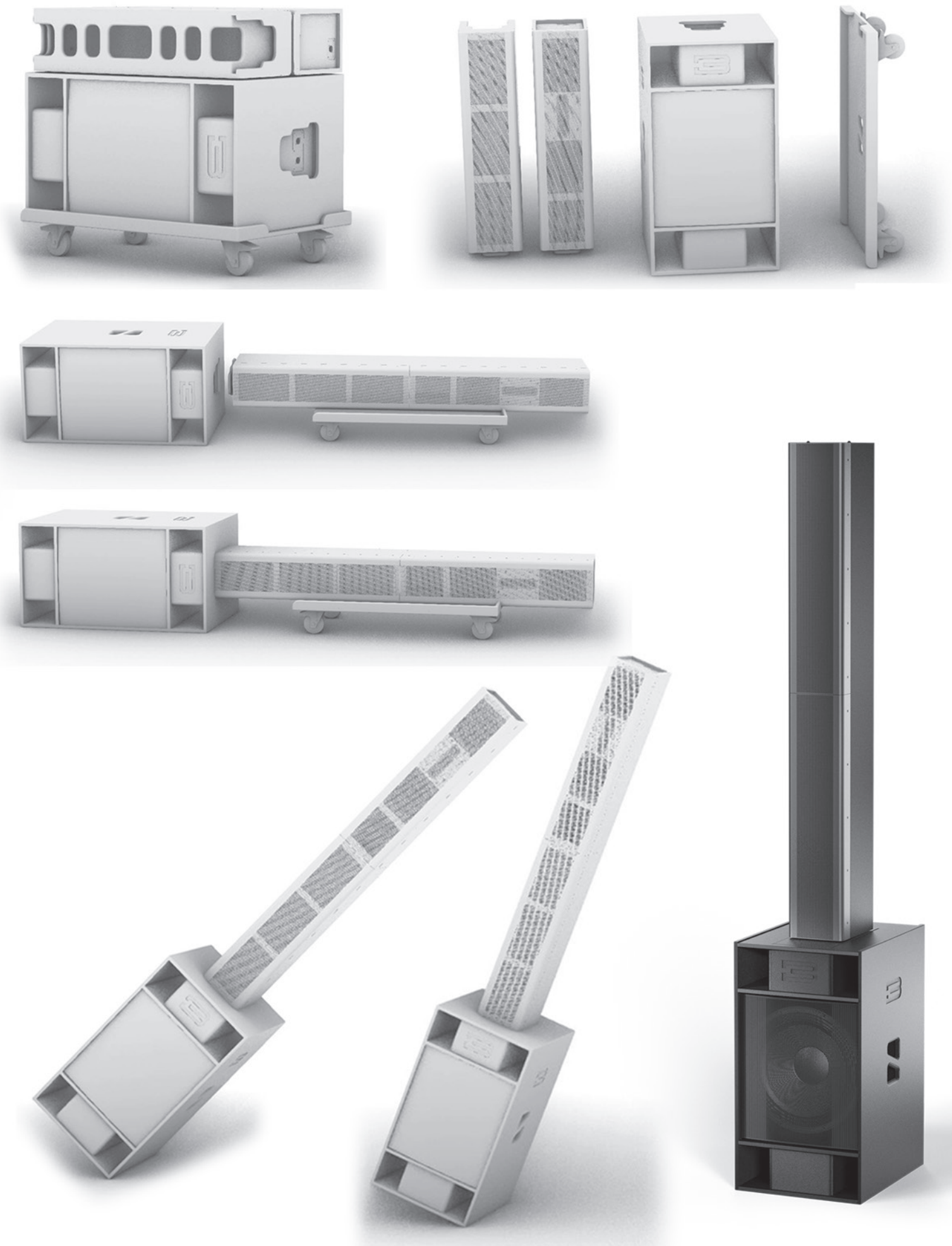
Dolly	Birch plywood flat cart with 4 locking wheels
Hardware	M6 shoulder eye bolts. (2)

Our proactive philosophy causes specifications to be subject to change whenever improvements are made.

The Sublim8 is easy to set up.

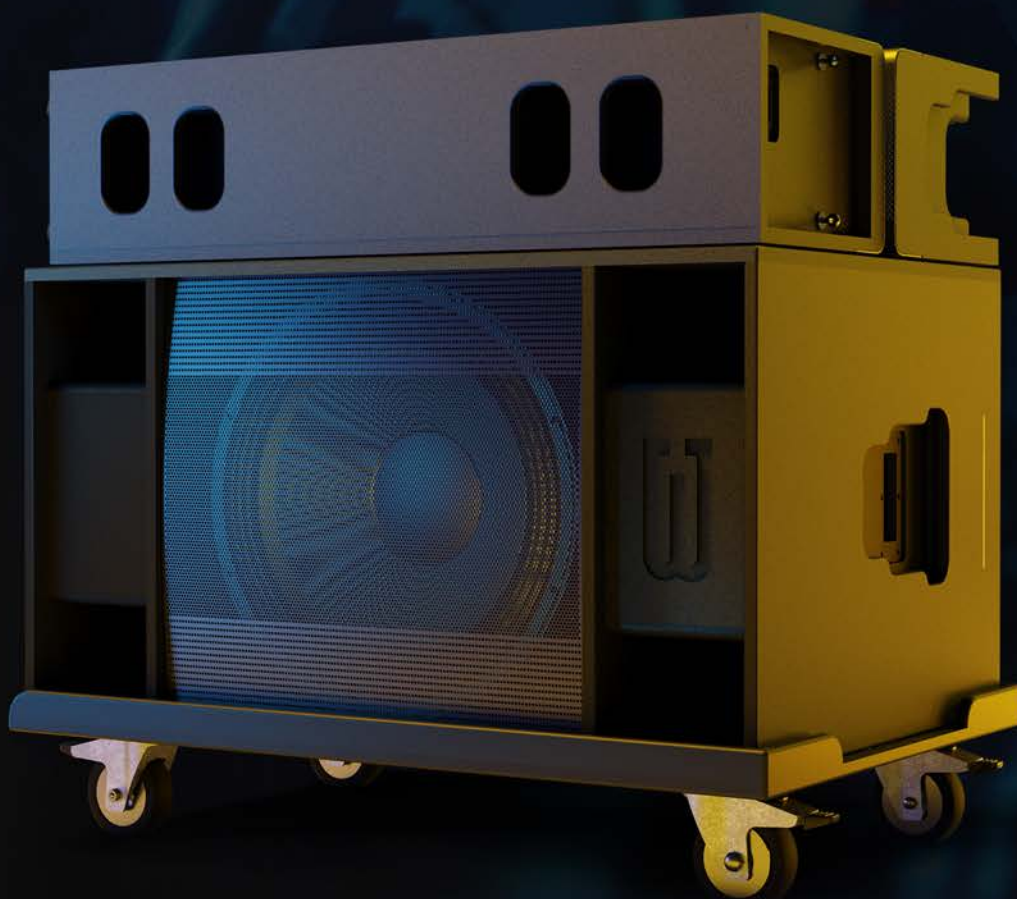
Video instructions: bassboss.com/sublim8setup

1. Remove the top speaker and spacer section from their position on the top of the sub.
 2. Tilt sub off the cart by lifting the cart from the end with the stoppers (the bottom of the sub should face the open end of the cart).
 3. Remove all the covers and remove the power cord and other accessories from the interior of the spacer.
 4. Ensure the ground or floor where the Sublim8 will be set up is level and that the cabinet will be secure and stable.
 5. Position the subwoofer in the intended location for use. Re-check that the ground or floor is stable and level.
 6. Tilt the sub over onto its side, positioning it horizontally. Leave enough room for the upper sections to be positioned in alignment with the top of the sub. The subwoofer will be facing the direction of the audience, but lying down.
 7. Tilt or place the top section onto the cart, with its foot towards the sub and with its front facing in the same direction as the sub's front. Leave the top 1/3 of the speaker extending past the end of the cart.
 8. Rotate the top onto its back and align the side with the edge of the stopper on the end of the cart.
 9. To add the spacer section, lower the slot in the end of the spacer over the tongue of the top section, keeping the spacer aligned until the back of the spacer is resting on the cart and both grilles are flush.
 10. Rotate the assembly back onto its side, once again facing the same direction as the sub.
 11. Connect the pass through cables in the spacer to the inputs in the top section. This locks the two sections together.
 12. Insert the spacer's foot straight into the shoe in the top of the sub. The cart holds the upper section at the correct height to simply roll the assembled pair to the end of the sub and insert the foot into the shoe.
 13. Pull the upper section's foot forward so that the toe slides all the way forward, exposing the connections in the top of the sub.
 14. Connect the pass-through cables from the spacer section to the outputs on the subwoofer.
- Be sure the interconnect cables are connected before moving to the next step.***
The interconnect cables ensure that the parts can't separate.
- You now have a subwoofer at the end of a long lever. This can be used to tip up the Sublim8 to performance position.
- *If you're setting up on a slippery surface, such as a waxed floor, ensure that the subwoofer won't slide away from you. Use a hard rubber mat or carpet tile if necessary.**
- *If you plan to attach a light fixture, do that before standing the tower up.**
15. Starting from the top section, the far end of the lever, lift the top end of the tower up and move the cart out of the way. Continue to lift and tilt the tower until it's fully vertical.
 16. Connect the signal and power cords to the back of the sub.
 17. Play music and select your preferred preset. You're ready to enjoy the Sublim8.



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Need more assistance?
We're here to help.

help.bassboss.com