



Safety First

The Electro-Voice PX1122M, PX1152M, PX2122, and PX2152 have threaded points that can be used for suspension. Please consult the user instructions that are supplied with the suspension kits for proper use prior to installation.



WARNING: Suspending any object is potentially dangerous and should only be attempted by individuals who have a thorough knowledge of the techniques and regulations of rigging objects overhead. Electro-Voice strongly recommends that all speakers be suspended taking into account all current national, federal, state and local regulations. It is the responsibility of the installer to ensure that all speakers are safely installed in accordance with all such regulations. When speakers are suspended, Electro-Voice strongly recommends that the system be inspected at least once a year. If any sign of weakness or damage is detected, remedial action should be taken immediately. The user is responsible for making sure that the truss, and any additional hardware used, is capable of supporting the loudspeaker. Any hardware used to suspend a loudspeaker that is not associated with Electro-Voice is the responsibility of others.

Ground Stack:

When using multiple Electro-Voice Phoenix speakers in a ground stack configuration, the feet of each enclosure is designed to fit into grooves of the enclosure below it. This is both for the safety of the ground stack and serves as an alignment for properly arraying multiple loudspeakers. Always check that the feet are resting in the grooves when using multiple speakers (Figure 1). Unless you can safely lift the weight of the loudspeaker on to the ground stack, have another person to help you place it. The ground stack should be placed on a solid, level surface. When using subs on a surface that is hard or slick, use a piece of carpet or other material between the feet and supporting surface to prevent the subs (and stacks) from “walking”. When using a ground stack in windy outdoor conditions, when the surface is slippery, or when in adverse conditions, Electro-Voice recommends using a ratchet strap to secure the speakers. For a complete list of the configurations possible with an Electro-Voice Phoenix system, please consult the Application Guide at www.electrovoice.com.

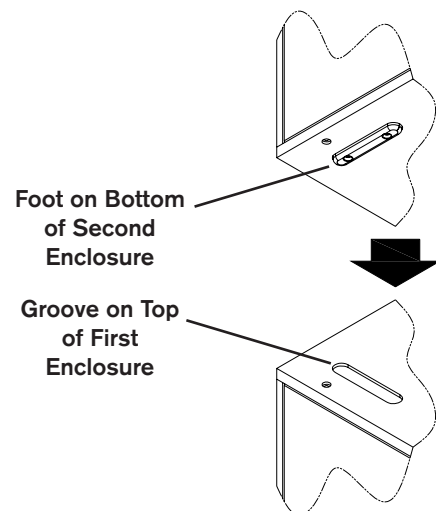


Figure 1: Groundstacking Configuration

Stand Mount:

The Electro-Voice PX1122M and PX1152M include 1-3/8" stand mounts for use with tripod stands. Check the specifications of the speaker stand to be certain it is capable of supporting the weight of the speaker. Place the speaker stand on a flat, stable surface and be sure to fully extend the legs of the stand. Do not try to make the stand “taller” and compromise its structural integrity. Do not attempt to suspend more than one speaker on a stand designed for a single speaker. Unless you are confident that you can safely handle lifting the weight of the speaker onto the stand, ask another person to help you place it. Route cables and position the stand so that performers, production crew and audience members will not trip over the stand or cables and pull the speaker system over. Secure the cables with wire ties or tape whenever possible.

Moisture:

Electro-Voice does not recommend using Phoenix loudspeakers in the rain or in high moisture environments without protection.

Hearing Exposure:

Electro-Voice Phoenix loudspeakers are capable of producing sound pressure levels sufficient to produce permanent hearing damage. Caution should be taken to avoid prolonged exposure to sound pressure levels exceeding 90 dB.

Processor Settings:

Processor settings for Phoenix loudspeaker configurations are available for Electro-Voice speaker processors. Please consult the Application Guide at www.electrovoice.com for more information.

Rotating the Horn:

The PX2122 and PX2152 loudspeakers have horns that can be rotated to change the coverage pattern. The coverage pattern angles are molded on the horn flange.

1. Remove the (6) screws that attach the grille to the enclosure (Figure 2).
2. Remove the (12) screws that attach the horn to the enclosure, and disconnect the wires that attach the ND2 to the input panel (Figure 3). The jumper that is between both ND2's can remain connected.
3. Remove the (4) nuts and bolts that connect the manifold to the horn. Rotate the horn 90° so the desired vertical coverage pattern is parallel to the ND2's and manifold, then reattach the manifold using the (4) nuts and bolts (Figure 4).
4. Reconnect the wires that attach the ND2 to the input panel (reverse of Figure 3). The yellow wire corresponds to the positive terminal, and the yellow and black wire corresponds to the negative terminal. Reattach the horn to the enclosure using the (12) screws.
5. Reattach the grille using the (6) screws (reverse of Figure 2).

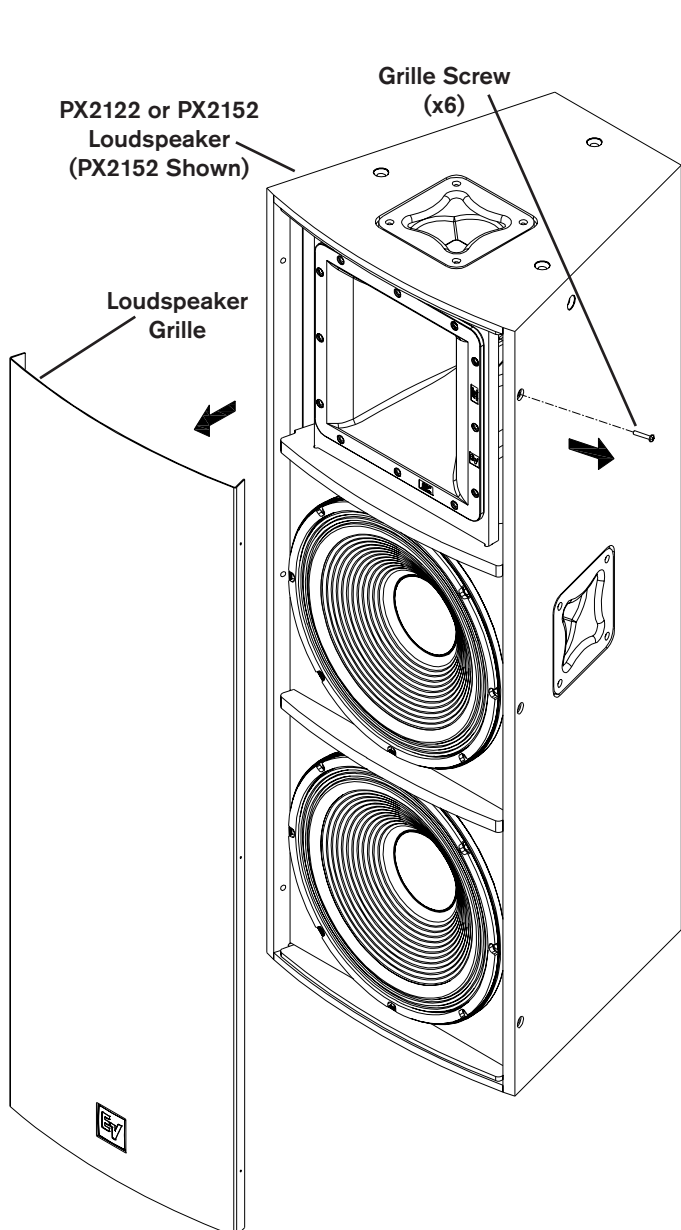


Figure 2: Removing the Grille from the Enclosure

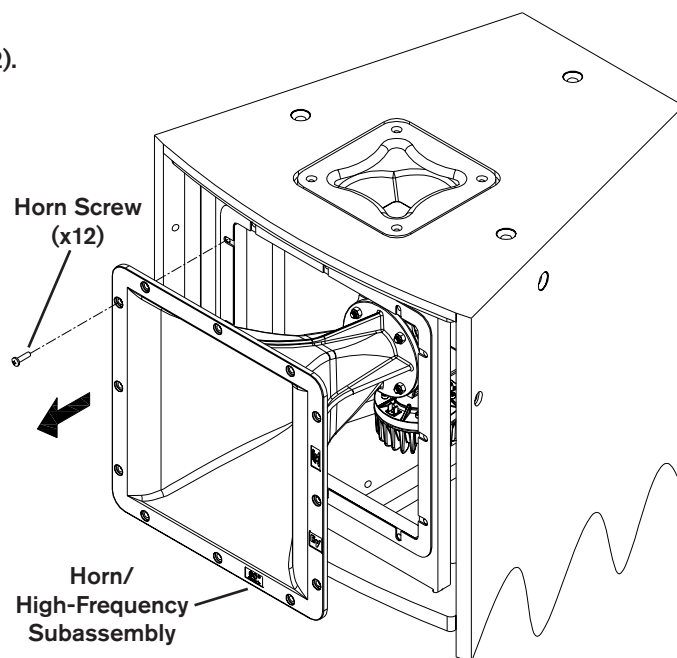


Figure 3: Removing the Horn from the Enclosure

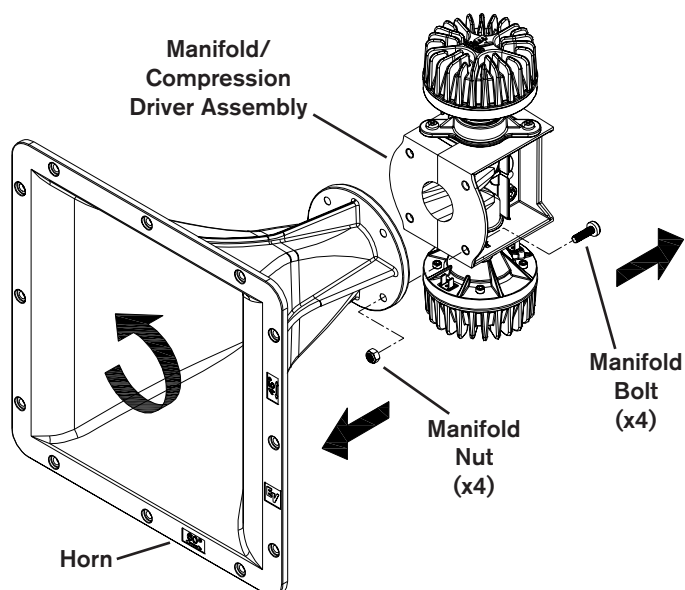


Figure 4: Detaching the Manifold Assembly from the Horn

Adjusting the HF Level:

The PX1122M and PX1152M loudspeakers have a jumper that allows for attenuation of the HF level by 3 dB.

1. Remove the (6) screws that attach the grille to the enclosure (Figure 5).
2. Remove the (4) screws that attach the woofer to the enclosure, and disconnect the wires that attach the woofer to the input panel (Figure 6).
3. The crossover is located on the inside of the enclosure, on the right rear wall. Move the jumper on the bottom of the crossover to the desired location (Figure 7).
4. Reconnect the wires that attach the woofer to the input panel (reverse of Figure 6). The red wire corresponds to the positive terminal, and the red and black wire corresponds to the negative terminal. Reattach the woofer to the enclosure using the (4) screws.
5. Reattach the grille using the (6) screws (reverse of Figure 5).

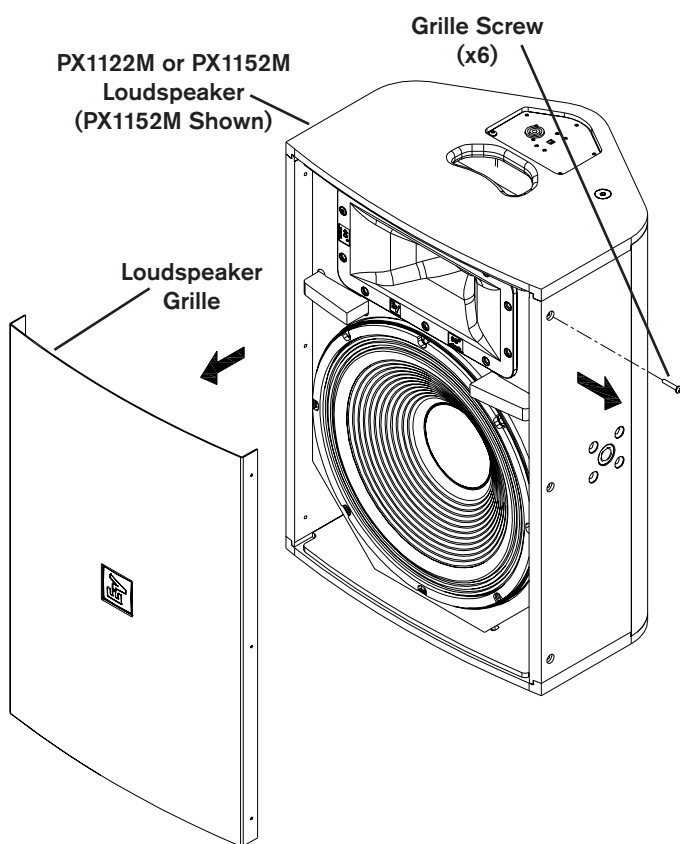


Figure 5: Removing the Grille from the Enclosure

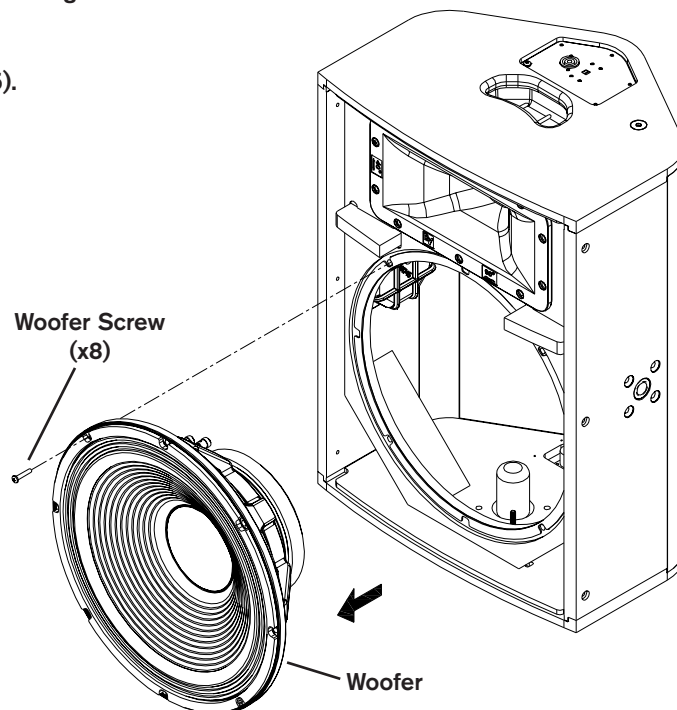


Figure 6: Removing the Woofer from the Enclosure

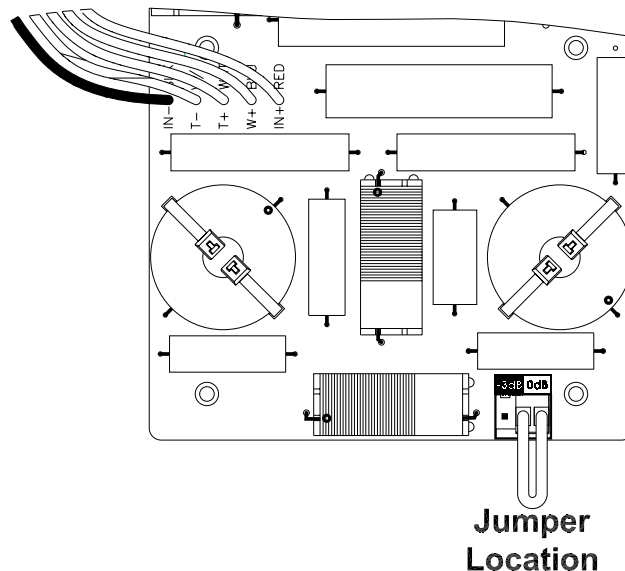
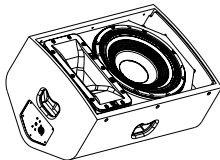
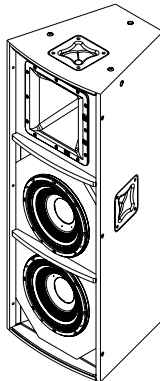
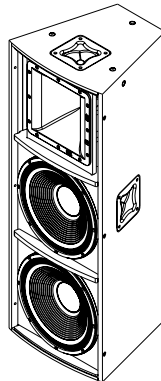
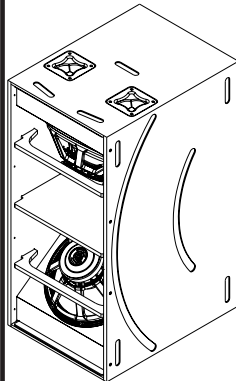


Figure 7: Jumper Location on Crossover

Model	PX1122M		PX1152M	PX2122	PX2152	PX2181
						
Freq. Response¹ (-3 dB):	70 Hz - 15 kHz		70 Hz - 15 kHz	80 Hz - 15 kHz	60 Hz - 15 kHz	45 Hz - 160 Hz
Freq. Range¹ (-10 dB):	55 Hz - 19 kHz		50 Hz - 19 kHz	60 Hz - 19 kHz	50 Hz - 19 kHz	40 Hz - 180 Hz
Rec. Hipass Frequency:	50 Hz		45 Hz	80 Hz	40 Hz	32 Hz
Axial Sensitivity¹:	98 dB (1W/1m)		100 dB (1W/1m)	102 dB (1W/1m)	99 dB (1W/1m)	105 dB (1W/1m)
Max. Calculated SPL¹:	132 dB		134 dB	138 dB	136 dB	141 dB
Coverage (Horiz. x Vert.):	90° x 45°		90° x 45°	45° x 30° or 30° x 45°	60° x 45° or 45° x 60°	Omnidirectional
Power Handling, Passive:	600W Continuous, 2400W Peak			N/A	1200W Continuous, 4800W Peak	N/A
LF Power Handling, Biamp:	500W Continuous, 2000W Peak			1000W Continuous, 4000W Peak		
HF Power Handling, Biamp:	80W Continuous, 320W Peak					N/A
LF Transducer(s):	(1) DVX3121, 305mm (12") Woofer	(1) DVX3151, 381mm (15") Woofer	(2) DVX3121, 381mm (15") Woofers	(2) DVX3150, 381mm (15") Woofers	(2) DVX3180, 457mm (18") Woofers	
HF Transducers:	(2) ND2-16, 50mm (2") Titanium Diaphragm Compression Drivers					N/A
Crossover Frequency:	1.4 kHz	1.4 kHz	1.6 kHz	1.9 kHz	80 Hz - 125 Hz	
Impedance, Passive:	8 Ohms Nominal			N/A	4 Ohms Nominal	N/A
LF Impedance, Biamp:	8 Ohms Nominal			4 Ohms Nominal		
HF Impedance, Biamp:	8 Ohms Nominal					N/A
Connectors:	(3) Neutrik Speakon NL4's			(2) Neutrik Speakon NL4's		
Enclosure Material:	18mm Plywood, with Black EVCoat™					
Suspension:	Rigging Point for VSA-1 Strong-Arm Accessory			(8) M10 Points - (6) on Top and (2) on Bottom of Enclosure		N/A
Grille:	Polyester Powder Coated, 16GA Steel with Rotatable Logo					
Dimensions (H x W x D):	546mm x 366mm x 305mm (21.50" x 14.42" x 12.04")	610mm x 442mm x 329mm (24.00" x 17.42" x 12.97")	1219mm x 457mm x 445mm (48.00" x 18.00" x 17.50")			1219mm x 569mm x 758mm (48.00" x 22.42" x 29.85")
Net Weight:	23.1 kg (50.8 lbs)	25.1 kg (55.3 lbs)	50.1 kg (110.3 lbs)	50.1 kg (111.9 lbs)		86.5 kg (190.5 lbs)
Shipping Weight:	26.2 kg (57.6 lbs)	28.2 kg (62.1 lbs)	58.9 kg (129.6 lbs)	60.6 kg (133.4 lbs)		94.7 kg (208.7 lbs)
Rec. Amplifier:	Electro-Voice CP3000S			Electro-Voice CP4000S		
Accessories:	VSA-1 Strong-Arm Kit TCA-1 Truss Clamp Adapter			PX-D1 Dolly Kit PX-G1 Phoenix Grid EBK-M10 Eyebolt Kit		PX-D2 Dolly Kit

¹ Half Space Measurement.

Electro-Voice

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www.electrovoice.com

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Part Number 38110533 Rev D

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Specifications subject to change without notice.