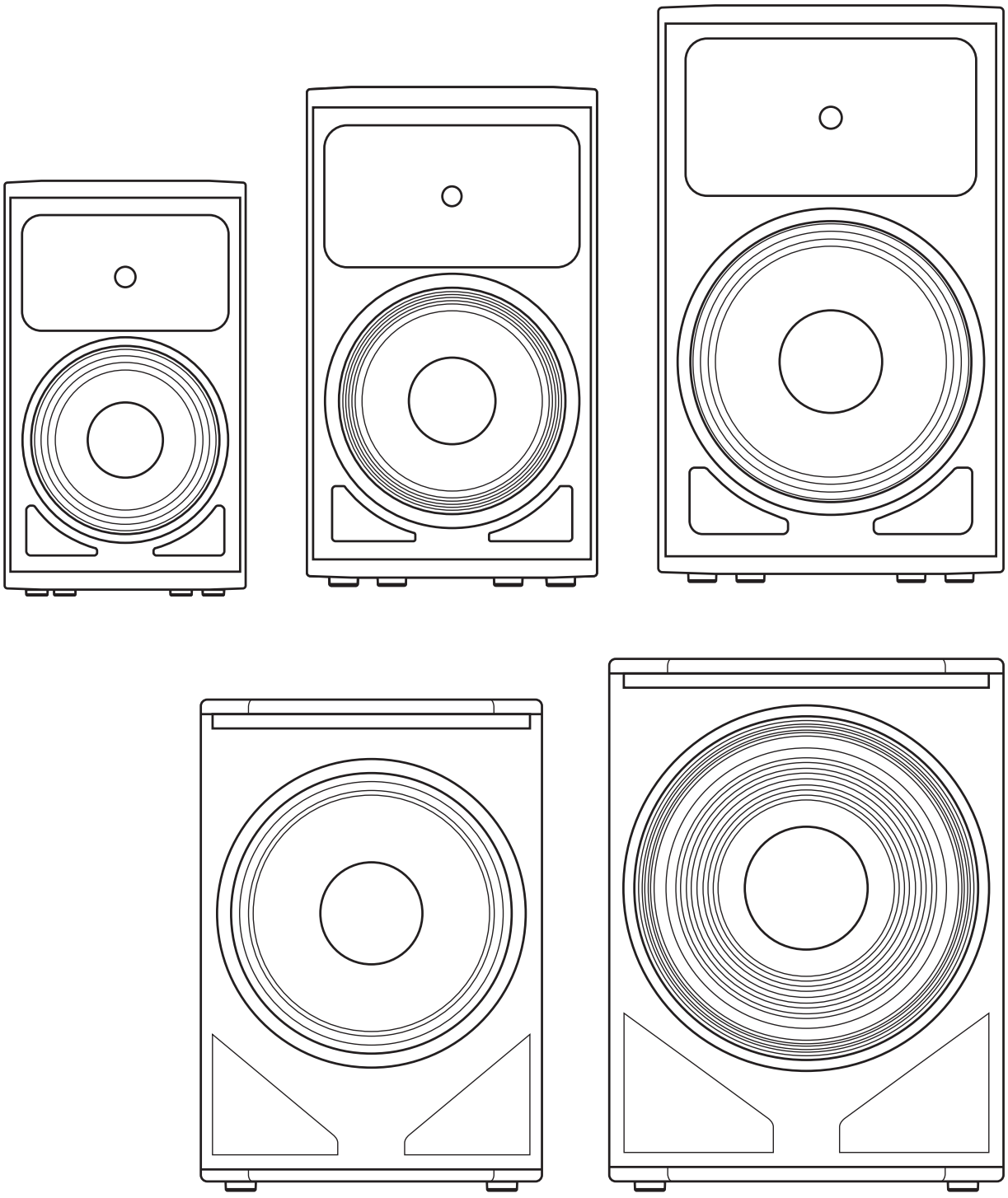
Air XD Series

Extended-Definition Active Loudspeakers with DSP

Owner's Manual



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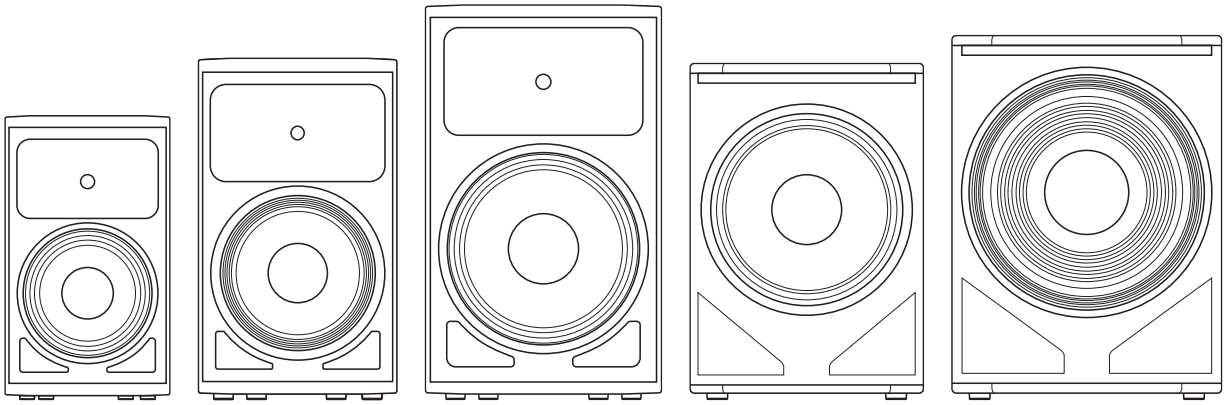
1 Overview

1.1 Introduction



Thank you for purchasing a PreSonus® Air XD Series Active Loudspeaker. PreSonus Audio Electronics has designed Air XD Series loudspeakers utilizing high-grade components to ensure optimum performance throughout the life of your PA system. Air XD Series loudspeakers are active PA speaker systems that feature easy-to-use digital tuning functions. Compact and lightweight, they provide a clean, transparent sound and flexible tuning controls, making them an ideal solution for both mobile and install applications.

We encourage you to contact us with questions or comments regarding this product. PreSonus Audio Electronics is committed to constant product improvement, and we value your suggestions highly. We believe the best way to achieve our goal of constant product improvement is by listening to the real experts: our valued customers. We appreciate the support you have shown us through the purchase of this product.

See Section 5.2 *for troubleshooting information.*

1.2 About This Manual

This manual covers hardware features and functions for full-range Air XD Series loudspeakers (Air XD 10, Air XD 12, and Air XD 15) and for the companion Air XD Sub 15 and Air XD Sub 18 subwoofer. We suggest that you use the manual to familiarize yourself with the features, applications, and connection procedures for your Air XD Series loudspeakers before trying to set up and operate them.

Except for low-frequency driver configuration and a few technical specifications (such as weight, frequency response, and maximum SPL), the features of the full-range models are the same. In many respects, the features of the Air XD Sub 15 and Air XD Sub 18 are also the same. Whenever possible these features will be described for the entire line. Unless preceded by "full-range", the term "loudspeaker" will refer to both full-range models and subwoofers.

Throughout this manual you will find **Power User Tips** highlighting distinctive aspects of your Air XD Series loudspeaker and explaining various audio terms. An assortment of tutorials covering the basics of room acoustics and speaker placement can be found in the Air XD Series Application Guide available for download from **www.presonus.com**.

Thank you, once again, for buying our product. We are confident that you will enjoy your Air XD Series loudspeakers!

Note: *Additional translations of this Owner's Manual are available for download from* ***www.presonus.com****.*

1.3 Summary of Air XD Series Loudspeaker Features

1.3.1 Full-Range Models: Air XD 10, Air XD 12, and Air XD 15

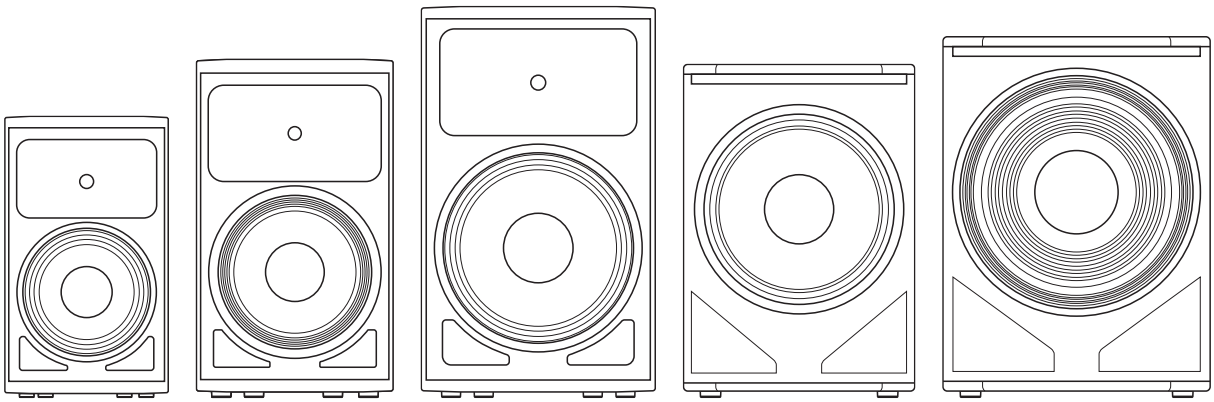
- Easy-to-use DSP tunings
- Multi-angle enclosure for mains or monitor-wedge applications
- 1,500 watts of program power
- Onboard mixer with two combo XLR and ¼" inputs and one summed balanced output
- Defeatable front-panel LED
- Rugged plastic enclosures
- 35 mm pole sockets with 7.5° downward tilt
- M10 rigging points for suspended installation
- Bluetooth®

1.3.2 Subwoofers: Air XD Sub 15 and Air XD Sub 18

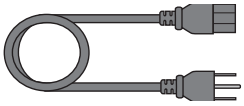
- 15" / 18" woofer with 3" voice coil
- Polarity invert
- Fully variable lowpass filter lets you dial in upper frequency limit
- Easy cardioid array presets
- 2,000 watts of Class D program power
- Stereo combo XLR and ¼" inputs with direct outputs
- Defeatable front-panel LED
- Rugged, texture-painted birch enclosures
- Bluetooth

1.4 What is in the Box

In addition to this manual, your Air package contains the following:



- (1) Air XD10, Air XD 12, Air XD 15, Air XD Sub 15, or Air XD Sub 18 loudspeaker



- (1) IEC power cable

Information on correct installation, creating subwoofer arrays, and more can be found in the Air XD Series Loudspeaker Application Guide. This guide is available for download from your My PreSonus user account.

2 Getting Started

Before you begin, here are a few general rules of thumb:

- Always make sure your loudspeakers are powered off when making connections.
- Do not allow your inputs to clip. Watch out for the red clip indicator on your loudspeaker's display. This indicates that the inputs are clipping, causing digital distortion, which sounds terrible.
- Your PA and studio equipment should be powered on in the following order:

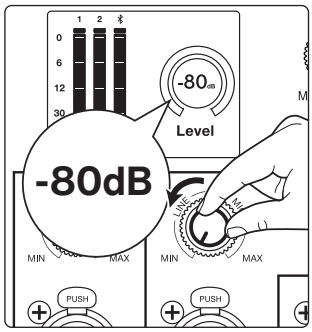
1. Sound sources (keyboards, direct boxes, microphones, etc.) connected to your mixer
2. Mixer
3. Air XD Series loudspeakers

When it's time to power down, your system should be turned off in the reverse order.

Now that you know what not to do, let's get some audio going! The following level-setting tutorials cover best practices that can be applied to nearly every application. The first tutorial covers level setting for the full-range models only; the second tutorial describes proper level setting for a system that includes one Air XD Series subwoofer and two full-range Air XD Series loudspeakers.

Note: *Please review the Air XD Series Application Guide at PreSonus.com for complete safety information regarding flown installations.*

2.1 Level-Setting Procedure: Air XD 10, Air XD 12, and Air XD 15

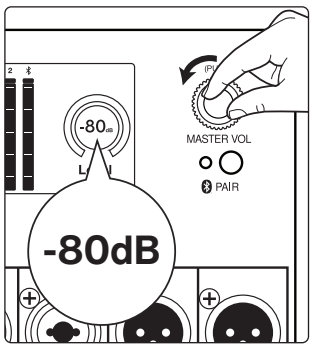


1. With the power switch in the Off position, connect the IEC plug to the IEC socket connection on the back of the loudspeaker and plug it into a grounded AC outlet or surge protector.
2. Turn the level knobs fully counterclockwise, to the lowest position.
3. Connect your microphone or line-level source (such as a PreSonus StudioLive® digital mixer) to either or both inputs. Both Mic and Line level devices can be connected via XLR or 1/4" TRS.

   Power User Tip: *If you are running a stereo system, connect the Left output of your mixer to the left loudspeaker's line input, and the Right output to the right loudspeaker's line input.*
4. Power on your line-level source.
5. Power on your Air XD Series loudspeaker.
6. While speaking into a microphone or with audio playing through your line-level source, turn the input level knob(s) clockwise to increase the signal. If the display shows a red clip indication, turn the input level down to just below that level.
7. Turn the master output level control until you have achieved a comfortable listening volume.
8. If you are using the input mixer of one loudspeaker to connect a microphone and a line-level source, or if you are running a mono system, connect the Mix Out from the loudspeaker to which your sources are connected to the line input of the second loudspeaker and repeat steps 1-8.

Power User Tip: *Make sure to set the line input level on both loudspeakers to unity. This will keep the output level of both speakers the same and simplify gain staging.*

2.2 Level-Setting Procedure: Air XD Sub 15 and Air XD Sub 18



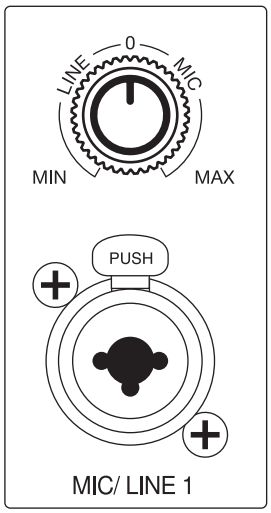
1. With the power switch in the Off position, connect the IEC plug to the IEC socket connection on the back of each loudspeaker and plug it into a grounded AC outlet or surge protector.
2. Turn the level knobs on your full-range loudspeakers fully counterclockwise to the lowest position.
3. Turn the Output level knob on your Air XD Series subwoofer counterclockwise to the lowest position.
4. Connect your line-level source (e.g., a StudioLive mixer) to the Line inputs. This is a combo jack that accepts a balanced ¼" TRS or XLR plug. If you are connecting a stereo source, the left side should be connected to Input 1 and the right side should be connected to Input 2.
5. Connect Outputs 1 and 2 of your Air XD Series subwoofer to the line inputs of the left and right full-range loudspeakers respectively.
6. Power on your line-level source.
7. Power on your Air XD Series subwoofer.
8. Power on your full-range loudspeakers.
9. Turn the line level knob on your full-range loudspeakers to the 12 o'clock position.
10. Turn the Master Volume knob on your Air XD Series subwoofer to the 12 o'clock position.
11. With audio playing from your line-level source, turn the line level knob on your full-range loudspeakers until you have achieved a comfortable listening volume.

Power User Tip: *If more high-frequency output level is required, turn the Line level knob clockwise on your full-range loudspeakers. In most cases, the level should be set the same on both loudspeakers. Adjust the Output level control on your Air XD Series subwoofer to balance the low-frequency content level to taste.*

3 Hookup

3.1 Rear-Panel Connections and Controls

3.1.1 Full-Range Models: Air XD 10, Air XD 12, and Air XD 15

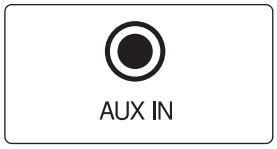


Mic / Line input and level control. Your Air XD Series full-range loudspeaker is equipped with two Class A microphone preamplifiers for use with most dynamic microphone types. The combo connection on this input also supports a line-level signal.

Use the knob above each Mic/Line connection to adjust the gain level of the corresponding Mic / Line input.

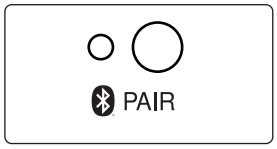
Power User Tip: It is very important to properly adjust this control in order to minimize noise and avoid overload distortion. Follow the level-setting instructions in Section 2.1 before operating a channel.

Note: *As with any amplifier or active loudspeaker, plugging in a microphone or a line-level input device, will create a momentary spike in the audio output of your Air XD Series full-range loudspeaker. Because of this, it is highly recommended that you turn down the channel trim or power down your loudspeaker before changing connections. This simple step will add years to life of your audio equipment.*



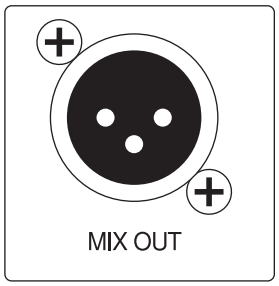
Auxiliary Input. Your Air XD Series loudspeakers are equipped with a stereo 1/8" connection to connect smartphones, tablets, and other consumer audio devices.

Power User Tip: *All three input connections sum and can be used simultaneously.*

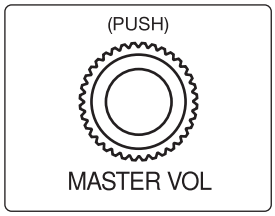


Pair. Air XD Series loudspeakers are equipped with Bluetooth capabilities. The Pair button forces any currently connected Bluetooth audio source to disconnect and makes the speaker available for pairing.

For directions on how to pair your XD series speakers to a device via Bluetooth, ***please see Section 4.***

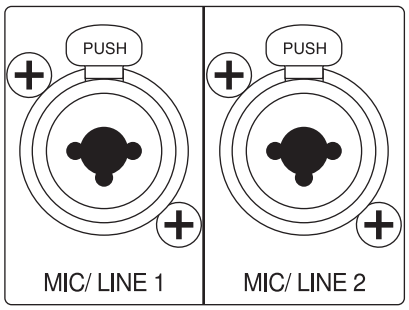


Mix Out. A balanced Mix output is provided on a male XLR connector. The Mix Out connection is used to send signals connected to the inputs of your loudspeaker to other Air XD Series loudspeakers. The Mix output signal is the same as the signal sent to the loudspeaker's internal amplifier.



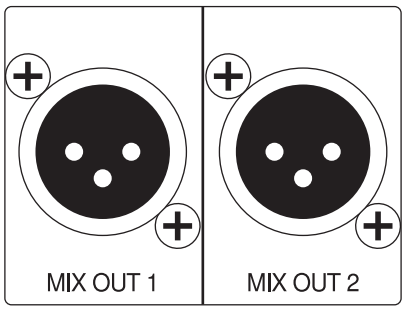
Master Vol. Use the level control next to the LCD screen to adjust the overall level of your Air XD Series loudspeaker. It does not effect the Mix Output. Push this control to access all of the tuning functions in your Air XD Series loudspeaker.

3.1.2 Subwoofers: Air XD Sub 15 and Air XD Sub 18

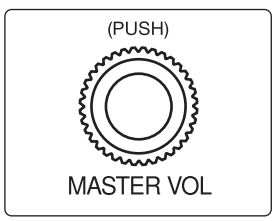


Line inputs. The Air XD Series subwoofers feature two line-level inputs. These balanced XLR / ¼" TRS combo connections are provided to connect your subwoofer to a StudioLive-series mixer or other mixing console.

Power User Tip: Two inputs are provided in order to accept a stereo signal from the output of the mixing console. Both channels should be connected, as the low-frequency content from both channels of a stereo signal is summed before the lowpass filter. However, either input may be used if the mixing console output signal is mono only or if you are sending low-frequency channels (bass, kick, keyboards, etc.) to a separate aux or subgroup output for the subwoofer only.



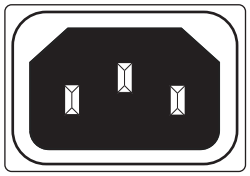
Outputs. Two line-level outputs (1 and 2) are provided to pass the stereo signal from the subwoofer to full-range loudspeakers. The outputs are parallel to Inputs 1 and 2, respectively.

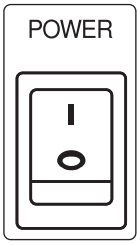


Master Vol. This knob determines the master output level (volume) of the subwoofer power amplifier. It has no effect on the signal level from Outputs 1 and 2. Push this control to access all the DSP functions in your Air XD Series loudspeaker.

Power User Tip: *A subwoofer can significantly change the frequency response of a full-range system. A 3-way system with a subwoofer will be 6 to 18 dB hotter below 80 to 100 Hz. Set the appropriate level for your subwoofer before adjusting your system EQ.*

3.2 Power





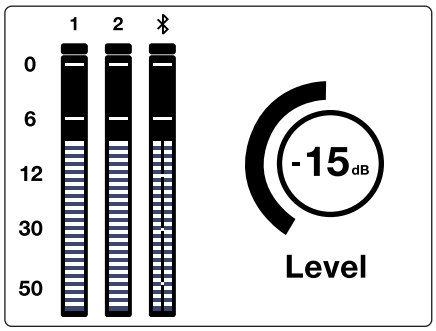
AC line connection. Air XD Series loudspeakers have a universal power supply that accepts AC power input between 100 and 250 VAC at 50/60 Hz. Each loudspeaker is supplied with an IEC cord appropriate for the country of sale.

WARNING: Do not remove the center grounding prong or use a ground-lift adapter, as this could result in electric shock.

Power Switch. This is the On/Off switch.

Power User Tip: If connecting multiple loudspeakers to the same electrical circuit, make sure that adequate line current is available. The maximum current draw for each Air XD Series loudspeaker is listed in the Specifications in ***Section 5.1***.

3.3 Main Screen



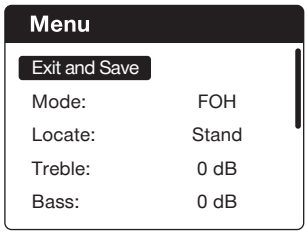
The **Main screen** displays the overall output of the amplifier (-80dB to +10 dB) and the input level meters. To adjust the output level, turn the master level encoder next to the meters. Turning counterclockwise will turn down the output level, while turning the encoder clockwise will turn up the output level. Input level will be displayed via the LCD meters.

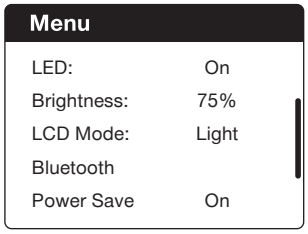
Note: *When the input level clips, a red bar will appear above the meter for the channel that has clipped.*

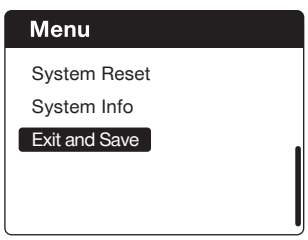
3.4 Menu Screen

Air XD Series loudspeakers make it easy to customize the loudspeaker's performance for your application. To access the controls, simply press the Master level encoder and turn it to scroll through the menu options. Press the encoder again to select a parameter and adjust it. Press again to continue scrolling.

3.4.1 Full-Range Models: Air XD 10, Air XD 12, and Air XD 15







The Full-Range Air XD models have the following menu options:

Exit and Save. Select to return to the Main screen. You will be given the option to save any changes you've made to the DSP settings before exiting.

Mode. This selects a preset optimized for different applications:

- **DJ.** Use this preset for music playback.
- **FOH (Default).** Use this preset for normal front-of-house use.
- **Enhance.** Use this preset to achieve a warmer sound.
- **Monitor.** Use this preset for normal stage floor monitor use.
- **Speech.** Use this preset for applications where speech intelligibility is critical.

Locate. Adjusts the loudspeaker's performance for different positions.

- **Stand (Default).** Select this option when mounting your loudspeaker on a pole or tripod.
- **Monitor.** Use this preset for floor monitor applications
- **Bracket.** Use this preset for wall-mount applications.

Treble. Adjusts the level of the high-frequency content reproduction. You can adjust the high-frequency response from -10 dB to +10 dB (Default: 0 dB).

Bass. Adjusts the level of the low-frequency content reproduction. You can adjust the low-frequency response from -10 dB to +10 dB (Default: 0 dB).

LED. Choose between Off, On, and Limit.

Brightness. Adjusts the brightness of the display.

LCD Mode. Choose between Dark or Light LCD mode.

Bluetooth. Opens the Bluetooth submenu:

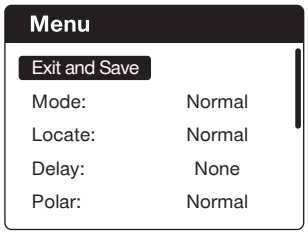
- **Bridge.** Opens message with list of available Bluetooth devices. Connect to a device or cancel from here.
- **Channels.** If desired, left and right channels can be reversed. To do this, select "Reversed". A "Normal" setting is also available to revert to the default configuration.
- **Exit.** Choose this to exit the Bluetooth submenu.

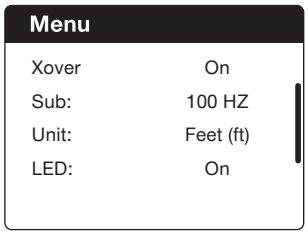
Power Save. By default, Air XD Series speakers enter a Low Power Mode after 5 minutes without audio input. This feature will lower power consumption to approximately 10 Watts. Speakers in Power Save mode will need 3-4 seconds to wake up once audio signal is present at its inputs.

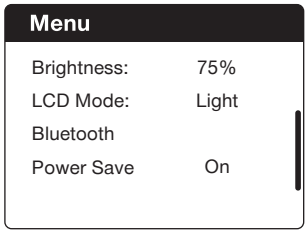
System Reset. Resets the system settings to factory default.

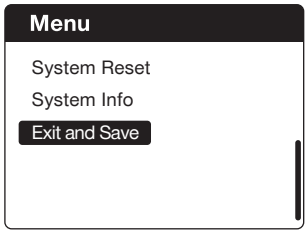
System Info. Opens the System Information screen.

3.4.2 Subwoofers: Air XD Sub 15 and Air XD Sub 18









The subwoofers have the following menu options:

Exit and Save. Select to return to the Main screen. You will be given the option to save any changes you've made to the DSP settings before exiting.

Mode. This selects a preset optimized for different applications:

- **Normal (Default).** Use this preset for normal front-of-house use.
- **Mo' Bass.** Use this preset to boost the low-end response in your Air sub.

Locate: Adjusts the loudspeaker's performance for arrayed and non-arrayed applications.

- **Normal (Default).** Select this option when using your Air XD Series subwoofer in an non-arrayed configuration.
- **Cardioid.** Use this preset to create a ground-stacked cardioid subwoofer array with two of the same model subwoofer.

Delay. Adds delay time to the subwoofer. By default, no alignment delay is applied.

Polar (Polarity). Enables reversing the polarity of the summed input signal.

Xover. Xover ("Crossover") mode offers a crossover DSP mode that applies a low-pass filter to the subwoofer's audio signal, and a high-pass filter to the signal present on outputs 1 and 2. With Xover mode on, both filters will be set to the same frequency, creating a crossover and avoiding low-frequency issues.

Sub. Determines the upper end of the frequency range reproduced by the Air XD Series subwoofer. Set the Low Pass Filter control to the lowest frequency that your full-range loudspeakers can reliably reproduce. Optimized settings are provided for each Air XD Series full-range loudspeaker. The default setting is 100 Hz.

Power User Tip: *Complete information about subwoofer arrays, speaker alignment, and setting the crossover can be found in the Air XD Series Application Guide at* ***PreSonus.com****.*

Unit. Sets the unit for the delay setting (meters or feet).

LED. Turns the grille LED on (Default) or off or to illuminate only when the protection limiter is engaged.

Brightness. Adjusts the brightness of the display.

LCD Mode. Choose between Dark or Light LCD mode.

Bluetooth. Opens the Bluetooth submenu:

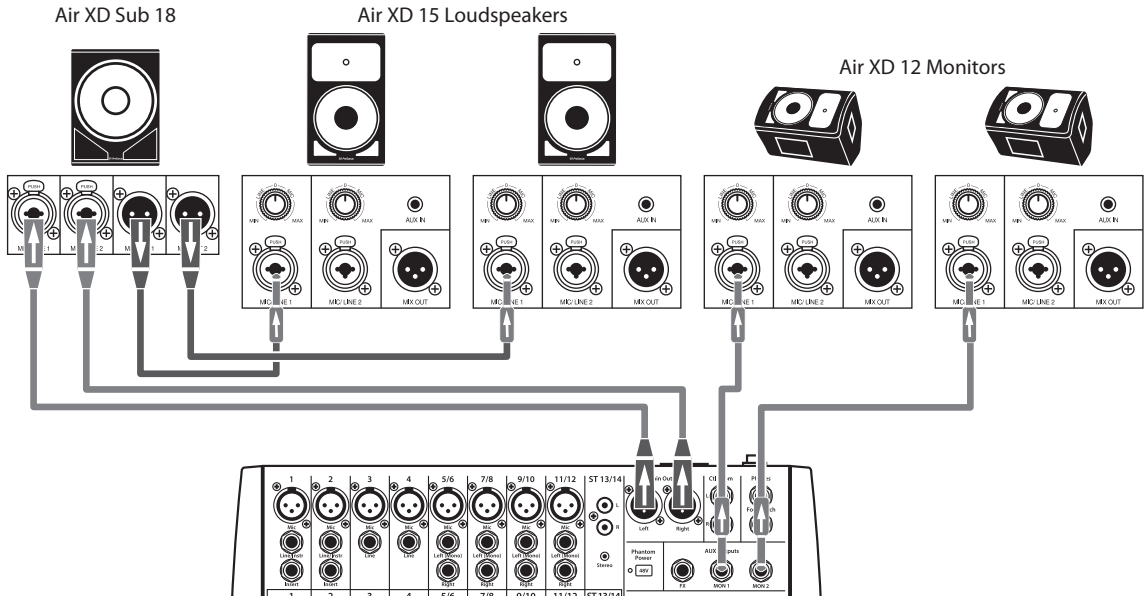
- **Bridge.** Opens message with list of available Bluetooth devices. Connect to a device or cancel from here.
- **Channels.** If desired, left and right channels can be reversed. To do this, select "Reversed". A "Normal" setting is also available to revert to the default configuration.
- **Exit.** Choose this to exit the Bluetooth submenu.

Power Save. By default, Air XD Series speakers enter a Low Power Mode after 5 minutes without audio input. This feature will lower power consumption to approximately 10 Watts. Speakers in Power Save mode will need 3-4 seconds to wake up once audio signal is present at its inputs.

System Reset. Resets the system settings to factory default.

System Info. Opens the System Information screen.

3.5 Hookup Diagram



4 Bluetooth Connection

Air XD Series speakers are equipped with Bluetooth capabilities, allowing stereo audio streaming from other Bluetooth devices.

Power User Tip: *For the best performance when using Bluetooth, turn up the volume on your paired device and use the master level encoder on your Air XD to adjust the playback volume to taste.*

4.1 Pairing with New Devices

Clicking on the "Pair" button from the back panel allows users to pair their Bluetooth device to Air XD Series speakers. Keep the following in mind:

- If the LED is off, this means there is no active Bluetooth connection.
- Pressing and holding the Pair button for 1 second puts the speaker into pairing mode. There will be two different use cases depending on whether the user sets up one or two speakers (see below).
- Bluetooth pairing times out at 5 minutes.
- Pressing and holding the Pair button for 5 or more seconds will sever (unpair) an existing Bluetooth connection.

4.1.1 Pairing a single (mono) XD speaker to a mobile device/laptop

To pair a single Air XD Series speaker to your device, follow the directions below:

1. Press and hold the Pair button on your Air XD. The Bluetooth LED will blink to indicate pairing mode. The display will show: "Bluetooth pairing mode. Device name: Air XD [model number]". The same device name will show up on the Bluetooth device you are pairing with Air XD.
2. On your mobile device or laptop, make sure that Bluetooth is enabled. Enter its Bluetooth setup page and identify the "Air XD" device in the list.
3. Tap or click on "Air XD" to start the pairing process and follow onscreen instructions until pairing has completed successfully. The Bluetooth LED will light up solid blue to indicate pairing was successful.
4. Bluetooth audio is now operational. Left and right Bluetooth channels will be summed to mono.

4.1.2 Pairing a single Air XD Subwoofer to a mobile device or laptop

To pair a single Air XD Subwoofer speaker to your device, follow the directions below:

1. Press and hold the Pair button on the Air XD subwoofer. The Bluetooth LED will blink to indicate pairing mode. The display will show "Bluetooth pairing mode. Device name: Air XD Sub [model number]"
2. On your mobile device or laptop, make sure that Bluetooth is enabled. Enter its Bluetooth setup page and identify the "Air XD Sub" device in the list.
3. Tap or click on "Air XD Sub" to start the pairing process and follow onscreen instructions until pairing has completed successfully. The Bluetooth LED will light up solid blue to indicate pairing was successful.
4. Air XD Sub will sum left and right Bluetooth channels to mono for playback through the speaker. The subwoofer's outputs 1 and 2 will carry individual Bluetooth audio left and right channels, respectively.

4.1.3 Pairing two (stereo) XD speakers to a mobile device/laptop

To pair two Air XD Series speakers to your device, follow the directions below:

1. Press and hold the Bluetooth button on the first (primary) Air XD. The LED will blink to indicate pairing mode. The display will show: "Bluetooth pairing mode. Device name: AIR XD [model number]".
2. On your mobile device or laptop, make sure that Bluetooth is enabled. Enter its Bluetooth setup page and identify the "Air XD" device in the list.
3. Tap or click on "Air XD" to start the pairing process and follow onscreen instructions until pairing has completed successfully. The Bluetooth LED will light up solid to indicate pairing was successful.
4. To pair the second speaker, first press and hold the Bluetooth button on the second (secondary) Air XD speaker. The LED will blink to indicate pairing mode. The display will show "Bluetooth pairing mode. Device name: Air XD".
5. On the first speaker, navigate to "Bluetooth" from the menu, press the encoder to enter the Bluetooth submenu, and select the "Bluetooth Bridge" option from the Bluetooth. The second Air XD speaker should be available for bridge pairing. Select "Air XD" in the menu and confirm to start the Bluetooth bridge pairing process.
6. If pairing was successful, both Air XD speakers will default to the following configuration: The primary speaker will play the left channel, the secondary speaker the right channel. The Bluetooth LED will light in green to indicate Bridge mode.
7. If desired, left and right channels can be reversed. To do this, select the Bluetooth "Channels" submenu option and select "L/R Reversed". A "L/R Normal" setting is also available to revert to the default configuration.

4.1.4 Pairing two Air XD Subwoofers to a mobile device/laptop

To pair two Air XD Subwoofer speakers to your device, follow the directions below:

1. Press and hold the Bluetooth button on the first (primary) Air XD subwoofer. The LED will blink to indicate pairing mode. The display will show "Bluetooth pairing mode. Device name: Air XD Sub [model number]".
2. On your mobile device or laptop, make sure that Bluetooth is enabled. Enter its Bluetooth setup page and look for the "Air XD Sub" device in the list.
3. Tap or click on "Air XD Sub" to start the pairing process and follow onscreen instructions until pairing has completed successfully. The Bluetooth LED will light up solid blue to indicate pairing was successful.
4. Press and hold the Bluetooth button on the second (secondary) Air XD subwoofer. The LED will blink to indicate pairing mode. The display will show "Bluetooth pairing mode. Device name: Air XD Sub".
5. On the first subwoofer, select the "Bridge" function from the display menu. The second Air XD subwoofer should be available for bridge pairing. Select "Air XD Sub" in the menu and confirm to start the Bluetooth bridge pairing process.
6. If pairing was successful, both Air XD subwoofers will default to the following configuration: The primary speaker will play the left channel, the secondary speaker the right channel.

- If desired, left and right Bluetooth channels can be reversed. To do this, select the "Bluetooth Channels" menu option and select "L/R Reversed". A "L/R Normal" setting is also available to revert to the default configuration.

4.2 Additional Air XD Series Setup Options

Along with the setup options detailed in the previous section, you can also set up the Air XD speakers in the following ways:

- **Single Air XD Speaker:** If a single Air XD speaker is used, its speaker will carry a mono signal from the sum of the left and right inputs.
- **Single Subwoofer:** If a single subwoofer is used, its speaker will carry a mono signal from the sum of left and right inputs.
- **Dual Subwoofer:** Two Air XD subwoofers can be set up to play back stereo audio from a single Bluetooth audio source.
- **Stacked Subwoofer Setup:** It is possible to stack subwoofers and still enjoy the benefits of Bluetooth audio. For this use case, Bluetooth connections need to be made with the first subwoofers in the signal chain.

5 Resources

5.1 Specifications

5.1.1 Full-Range Models: Air XD 10, Air XD 12, and Air XD 15

MODEL	Air XD 10	Air XD 12	Air XD 15
Type	Active 2-way	Active 2-way	Active 2-way
LF Driver	LF Driver 10" (2.36" voice coil)	12" (2.56" voice coil)	15" (2.56" voice coil)
HF Driver	1" Compression, PEEK diaphragm	1.35" compression, PEEK diaphragm	1.35" compression, PEEK diaphragm
Amplifier Type	Class D (LF), Class AB (HF)	Class D (LF), Class AB (HF)	Class D (LF), Class AB (HF)
Total Program Power	1,500W dynamic	1,500W dynamic	1,500W dynamic
LF Power	350W	350W	350W
HF Power	350W	350W	350W
Frequency Range (-3 dB)	66 Hz to 20 kHz	51 Hz to 20 kHz	47 Hz to 20 kHz
Frequency Range (-10 dB)	55 Hz to 20 kHz	48 Hz to 20 kHz	40 Hz to 20 kHz
Maximum Output SPL	130 dB	131.5 dB	133.5 dB
Nominal Dispersion (HxV)	90˚x 60˚	90˚x 60˚	90˚x 60˚
Inputs	2 x XLR/TRS mic/line combo 1 x 1/8"TRS stereo	2 x XLR/TRS mic/line combo 1 x 1/8"TRS stereo	2 x XLR/TRS mic/line combo 1 x 1/8"TRS stereo
Outputs	1 x XLR Mix Out	1 x XLR Mix Out	1 x XLR Mix Out
DSP Features	Speaker modes, Location, Bass, Treble	Speaker modes, Location, Bass, Treble	Speaker modes, Location, Bass, Treble
Display Screen	2.4" color LCD display	2.4" color LCD display	2.4" color LCD display
Cabinet	H-PP molded	H-PP molded	H-PP molded
Grille	1.2 mm steel	1.2 mm steel	1.2 mm steel
Handles	1 top	1 top, 1 side	1 top, 2 side
Flypoints	2 top, 1 back	2 top, 1 back	2 top, 1 back
Pole Mounting	Dual position (0˚, 7.5˚)	Dual position (0˚, 7.5˚)	Dual position (0˚, 7.5˚)
Power Input	100V-120V / 220V-240V 50/60 Automatic switching	100V-120V / 220V-240V 50/60 Automatic switching	100V-120V / 220V-240V 50/60 Automatic switching
Maximum Current	3.3A (230V-50Hz), 6.6A (120V)	3.3A (230V-50Hz), 6.6A (120V)	3.3A (230V-50Hz), 6.6A (120V)
Dimensions (H x W x D)	20.3" x 11.8" x 11.5" (516 mm x 300 mm x 291 mm)	24.4" x 14.2" x 13.8" (619 mm x 360 mm x 351 mm)	27.9" x 16.9" x 15.8" (708 mm x 430 mm x 402 mm)
Weight	30.6 lbs (13.9 kg)	43.0 lbs (19.5kg)	50.9 lbs (23.1 kg)

5.1.2 Subwoofers: Air XD Sub 15 and Air XD Sub 18

MODEL	Air XD Sub 15	Air XD Sub 18
Type	Active vented design	Active vented design
LF Driver	15″ (3″ voice coil)	18″ (3″ voice coil)
Amplifier Type	Class D	Class D
Total Program Power	2,000 W	2,000 W
Frequency Range (-3)	44 Hz to 115 Hz	41 Hz to 110 Hz
Frequency Range (-10)	32 Hz to 138 Hz	31 Hz to 142 Hz
Maximum Output SPL	128 dB	130 dB
Inputs	2 x XLR/TRS line combo	2 x XLR/TRS line combo
Outputs	2 x XLR Out	2 x XLR Out
DSP Features	Low-pass EQ, crossover, delay, polarity and "Mo'Bass" mode	Low-pass EQ, crossover, delay, polarity and "Mo'Bass" mode
Cabinet	15 mm plywood	15 mm plywood
Grille	1.5 mm steel	1.5 mm steel
Handles	2 side	2 side
Mounting	Ground stack provisions	Ground stack provisions
Power Input	100V-120V / 220V-240V~ 50/60 Automatic switching	100V-120V / 220V-240V~ 50/60 Automatic switching
Maximum Current	5.6A (230V-50Hz), 11.1A (120V)	5.6A (230V-50Hz), 11.1A (120V)
Dimensions (H x W x D)	21″ x 16.7″ x 27.4″ (534 mm x 425 mm x 696 mm)	26″ x 19.3″ x 25.8″ (662 mm x 490 mm x 656 mm)
Weight	72.5 lbs (32.9 kg)	87.7 lbs (39.8 kg)

5.2 Troubleshooting

Loudspeaker won't turn on.

If the loudspeaker is plugged in, and the switch is on, but no LEDs illuminate, check the following:

- Make sure the power cord is fully and securely inserted in the IEC receptacle and in the wall outlet.
- Confirm that the AC outlet is "live," using a tester or other device (such as a lamp) that is known to be working.

Loudspeaker is on but there's no sound.

Check to make sure the signal is "live" from an external source. Check that output faders are up on the mixing console and check the output level using headphones.

If another speaker in a stereo configuration is working, swap input cables. If the problem moves, replace the faulty cable.

If the loudspeaker has been producing sound at high levels and then stops, it may have gone into thermal muting. Allow the unit to cool, and make sure the heat sink has sufficient ventilation.

Sound breaks up intermittently.

Check the input sources, using headphones, if possible, to determine if the problem is with the source.

Check console outputs and all input and loop-thru connectors to make sure they are securely plugged in. If the problem persists, try replacing cables with spares.

Loudspeaker has hum or buzz.

Nearly all hum and buzz problems are related to cable grounding. With the loudspeaker at low volume, remove input and output cables, one at a time, until the noise disappears. Try replacing the suspect cable.

If you are using two-conductor cables with unbalanced ¼" connectors, try replacing with balanced cables using TRS or XLR connectors.

Try plugging loudspeakers and the external mixer into outlets that share a common ground. If necessary, use an extension cord to plug the external mixer into the same outlet as the loudspeaker—but do not run the AC cord bundled with the audio signal cables.

Bluetooth enabled but audio doesn't play back.

If your speaker is Bluetooth enabled but audio doesn't play back, please check the following:

Ensure the speaker is on, the volume is adjusted, and that the speaker is set as the default audio output in your device's Bluetooth settings.

Check the back panel of your speaker. If the Bluetooth Pair LED is not illuminated, you have not properly connected to your device's Bluetooth. Try following the pairing steps again.

5.3 Support

PreSonus has a plethora of resources available online, as well as technical support if you come across an issue.

Before requesting technical support, please check the **PreSonus Knowledge Base** (https://support.presonus.com/hc/en-us) for solutions to commonly asked questions. We have many informational resources available where you're likely to find a solution to any issues you're experiencing—no registration, ticket submission, or wait time required!

For Technical Support, click onto the "Support" tab inside your MyPreSonus account. From here, you can create a new ticket and view both open and closed support tickets. Support for all PreSonus hardware and software products is provided via email. Note that your product must be registered to receive support.

For information on repairs, visit **PreSonus Product Repairs** (https://www.presonus.com/pages/product-parts).

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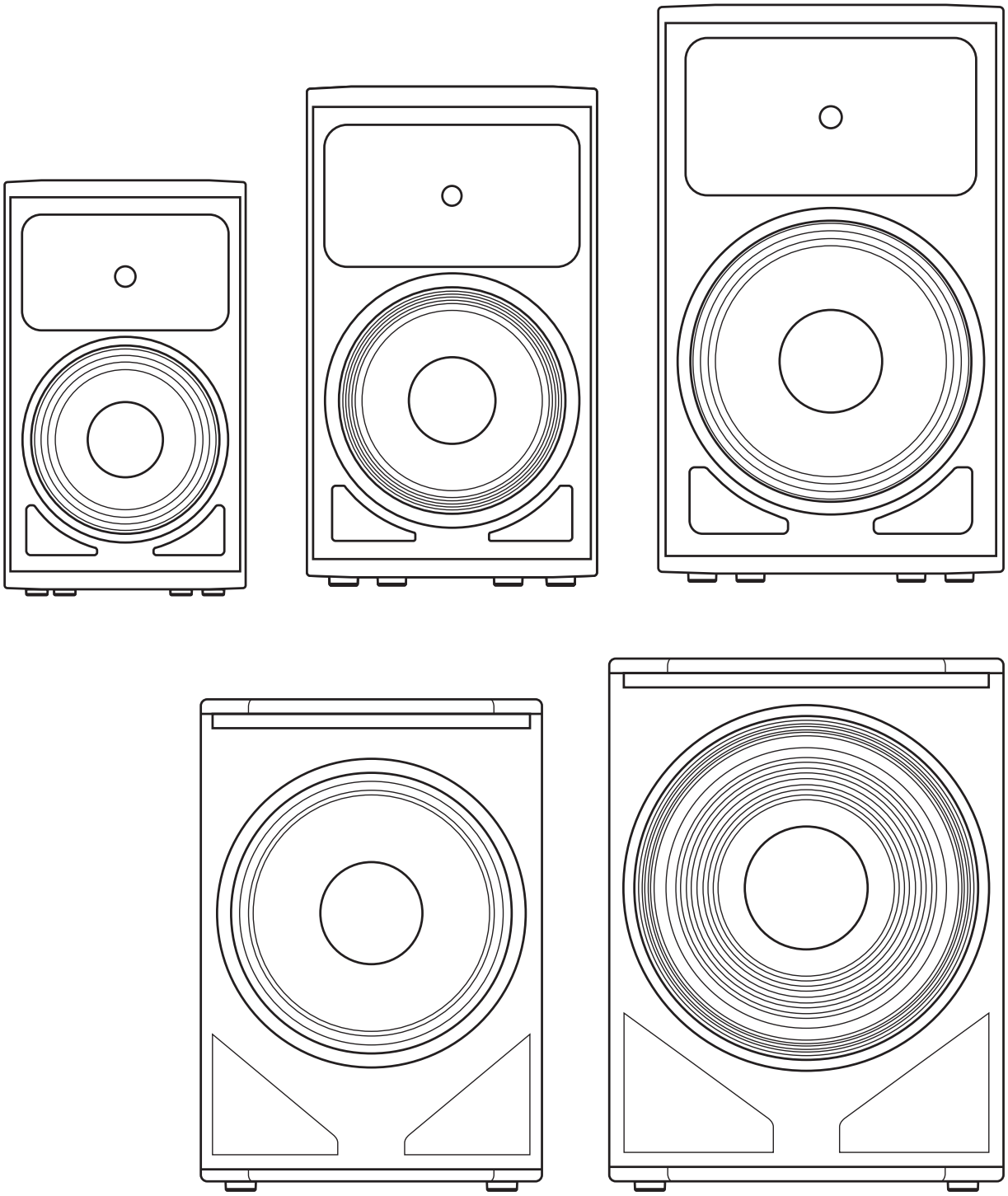
Air XD Series

Extended-Definition Active Loudspeakers with DSP

Owner's Manual



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