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Alien X-ARRAY 18 ADVANCE

User Manual: Alien X-ARRAY 18 ADVANCE Linear Array System

High-Performance Subwoofer and Satellite Speaker System

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1. PRODUCT OVERVIEW

The Alien X-ARRAY 18 ADVANCE is a high-performance linear array sound system designed for professional audio applications. This system features an 18-inch amplified subwoofer and four mid-high satellite speakers, delivering powerful and clear sound. It incorporates a Class D amplifier, steel grille, and robust construction from ABS, PP, MDF, and plywood for durability. Advanced features include Bluetooth, TWS (True Wireless Stereo), USB, SD card playback, FM radio, and a sophisticated DSP module with various presets for optimized sound.



Figure 1: Complete Alien X-ARRAY 18 ADVANCE Linear Array System, showing the 18-inch subwoofer and two satellite speaker arrays mounted on their respective stands.

2. SETUP INSTRUCTIONS

2.1. Unpacking and Component Check

Carefully unpack all components and verify that the following items are included:

- 1 x 18-inch Amplified Subwoofer
- 4 x Mid-High Satellite Speakers (2 per array)
- 2 x Satellite Stands
- 2 x 5-meter Cables for Satellite Connection
- 2 x Cables for Connecting Satellites (within each array)
- Power Cable

2.2. System Assembly

1. **Subwoofer Placement:** Place the 18-inch amplified subwoofer on a stable, flat surface. The subwoofer is designed for floor mounting.



Figure 2: Front view of the Alien X-ARRAY 18 ADVANCE 18-inch subwoofer, featuring a durable steel grille.

2. **Satellite Stand Assembly:** Assemble the two satellite stands according to their individual instructions. Ensure they are stable and securely locked at the desired height.
3. **Satellite Speaker Mounting:** Mount two mid-high satellite speakers onto each stand. Ensure they are securely attached.



Figure 3: A satellite speaker array from the Alien X-ARRAY 18 ADVANCE system, mounted on its dedicated stand.

4. **Connecting Satellites to Subwoofer:** Use the provided 5-meter Speakon cables to connect the satellite arrays to the Speakon outputs on the rear panel of the subwoofer.
5. **Power Connection:** Connect the power cable to the AC input on the subwoofer's rear panel and then to a suitable power outlet (100-240V~ 50/60Hz).

2.3. Input Connections

The subwoofer's rear panel provides various input options:

- **XLR Inputs:** Two balanced XLR inputs for professional audio sources.
- **RCA Input:** One RCA input for consumer audio devices.
- **Combo Microphone Inputs:** Two combo inputs (XLR/TRS) for microphones.
- **USB/SD:** Ports for USB drives and SD cards for direct media playback.
- **Bluetooth:** Wireless connectivity for compatible devices.



Figure 4: Detailed view of the Alien X-ARRAY 18 ADVANCE subwoofer's rear control panel, showing input/output ports, DSP controls, and indicators.

3. OPERATING INSTRUCTIONS

3.1. Powering On/Off

Locate the power switch on the rear panel of the subwoofer. Flip the switch to the "ON" position to power on the system. The "Power" indicator light will illuminate. To power off, flip the switch to the "OFF" position.

3.2. Input Selection and Volume Control

Use the controls on the rear panel to select your desired audio input (XLR, RCA, USB, SD, Bluetooth, FM Radio). Adjust the master volume and individual input levels as needed. Monitor the "Signal" and "Limit" indicators to prevent clipping and distortion.

3.3. DSP Module Operation

The integrated DSP-100 processor offers 96kHz 24-bit processing with selectable presets to optimize sound for different applications:

- **Flat:** Provides a neutral frequency response, suitable for general use or when external equalization is preferred.
- **DJ:** Enhances bass and treble for a more impactful sound, ideal for music playback.
- **Live:** Optimizes the system for live vocal and instrument performances, often with a slight mid-range

boost for clarity.

Select the appropriate preset using the DSP controls on the rear panel.

3.4. Bluetooth and TWS Functionality

To connect via Bluetooth, activate Bluetooth on your device and select "Alien X-ARRAY 18 ADVANCE" from the list of available devices. For True Wireless Stereo (TWS) functionality, refer to the specific pairing instructions in the full manual (if available) to link two X-ARRAY 18 ADVANCE systems for a wider stereo image.

3.5. USB/SD Playback and FM Radio

Insert a USB drive or SD card into the respective port. The system will automatically detect and play compatible audio files. Use the navigation controls to browse tracks. To activate FM Radio, select the FM input and use the tuning controls to find stations.

4. MAINTENANCE

4.1. Cleaning

Regularly clean the exterior of the system with a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used, followed by a dry cloth. Do not use abrasive cleaners, waxes, or solvents as they may damage the finish. Keep the steel grilles free of dust and debris to ensure optimal sound dispersion.

4.2. Ventilation

Ensure that the subwoofer's ventilation openings are clear and unobstructed. Proper airflow is crucial for preventing overheating, especially for the Class D amplifier. Do not place the unit in an enclosed space without adequate ventilation.

4.3. Storage

When not in use for extended periods, store the system in a cool, dry place, away from direct sunlight and extreme temperatures. It is recommended to use the original packaging or protective covers to prevent dust accumulation and physical damage.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cable not connected; Power outlet faulty; Power switch off.	Ensure power cable is securely connected. Test power outlet with another device. Flip power switch to "ON".
No sound from system	Input not selected; Volume too low; Source device not playing; Cables loose/faulty.	Select correct input. Increase master and input volumes. Check source device playback. Securely connect all audio cables.
Distorted sound	Volume too high (clipping); Input signal too strong; Damaged speaker.	Reduce master or input volume until "Limit" indicator is off. Reduce output level from source device. If distortion persists, contact support.
Bluetooth connection issues	Device not in pairing mode; Out of range; Interference.	Ensure system is in Bluetooth mode. Move device closer to system. Avoid obstacles and other wireless devices.
System shuts down unexpectedly	Overheating (thermal protection); Short circuit.	Check for proper ventilation around the subwoofer. Ensure speaker cables are not shorted. Allow unit to cool down before restarting.

If the problem persists after attempting these solutions, please contact Alien Pro customer support.

6. TECHNICAL SPECIFICATIONS

Feature	Detail
Model Name	X-ARRAY 18 ADVANCE
System Type	2.1 Linear Array System with Amplified Subwoofer
Subwoofer	18 inches
Satellite Speakers	Tweeter 1", Driver 6.5" (4 units total)
Amplifier Type	Class D
Max Output Power	1000 Watts RMS
Impedance	4 Ohms
Frequency Response (-6dB)	45Hz - 200Hz (Subwoofer)
Max SPL (1m free space)	114 dB
Connectivity	Bluetooth, TWS, USB, SD, FM Radio
Inputs	2 x Balanced XLR, 1 x RCA, 2 x Combo (XLR/TRS) for Microphone
Outputs	1 x Balanced XLR, 2 x Speakon (for satellites)
DSP Module	DSP-100, 96kHz 24-bit with Flat / DJ / Live Presets
Protection	Short circuit, Overheating
Power Supply	100-240V~ 50/60Hz
Construction Materials	ABS, PP, MDF, Plywood, Steel Grille
Subwoofer Dimensions (H x W x D)	53cm x 63cm x 59cm (20.9" x 24.8" x 23.2")
Satellite Dimensions (H x W x D)	20cm x 37cm x 21cm (7.9" x 14.6" x 8.3")
Product Weight	45 Kilograms (99.21 lbs)

7. WARRANTY AND SUPPORT

7.1. Warranty Information

This Alien X-ARRAY 18 ADVANCE system comes with a **90-day limited warranty** from the seller. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims.

The warranty does not cover damages resulting from:

- Accidental damage, misuse, abuse, or neglect.
- Unauthorized repairs or modifications.
- Improper installation or operation not in accordance with this manual.

- Power surges or lightning strikes.

7.2. Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact your authorized Alien Pro dealer or the seller from whom you purchased the product. Provide your product model number (X-ARRAY 18 ADVANCE) and proof of purchase when seeking support.

Manufacturer: Alien Pro