

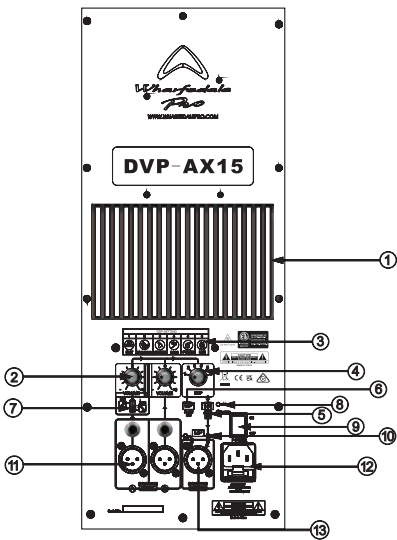
INSTALLATION

Before attempting to install a DVP-AX loudspeaker system please refer to the important warnings and safety instructions. Only qualified personnel should install a loudspeaker system.

Improper installation of a loudspeaker system can cause serious harm and even death if correct procedure is not followed. Anyone attempting installation .assumes all liability arising from such use.

DVP-AX12/DVP-AX15/DVP-AX215 REAR PANEL FEATURES

- 1. Heat Sink:**
The heat sink allows for dissipation of heat build up from the amplifier via air cooling at the rear of the enclosure. Do not obstruct.
- 2. VOLUME controls for INPUT A and INPUT B:**
These knobs control the level of each input channel.
- 3. DSP Setting icons:**
Easy icons which show the applications for the different DSP settings.
- 4. DSP Selection:**
Single knob control to select the 6 different DSP types.
- 5. 90Hz Filter switch:**
Used to reduce bass build up when placed near a wall.
- 6. Front LED defeat switch:**
Switches off the front power LED for discrete applications.
- 7. GAIN selection switch:**
This switch selects the proper gain structure for INPUT A. If a microphone is connected to INPUT A, use mic mode (up). If the signal source is anything other than a microphone (playback device, keyboard or mixer output, for instance) use the line selection (down).
- 8. Power “ON” indicator LED and LIMIT indicator LED:**
The power ‘ON’ LED is illuminated when the power switch is in the ‘ON’ position. The LIMIT LED will illuminate when the signal limiter is limiting the level of the signal to prevent distortion and overload.
- 9. POWER ON / OFF switch:**
This switch turns the power on and off.
- 10. Output source “LOOP / MIX” switch:**
In the “LOOP” mode, this switch routes the signal of both INPUT A and INPUT B to the line level XLR OUTPUT jack, bypassing the EQ section and volume control. When in the MIX mode, this switch routes the combined (or “mixed”) signals of both INPUT A and INPUT B to the line level XLR OUTPUT jack.
- 11. XLR / 1/4” input jacks for INPUT A and INPUT B:**
These convenient jacks allow XLR or ¼” balanced input connections to INPUT A and INPUT B
- 12. POWER cord receptacle:**
This is a receptacle for a standard IEC, three prong, grounded AC electrical connection cord. Be sure that you are plugging into the correct source voltage that matches what is indicated just below the power cord jack.
- 13. XLR line level OUTPUT jack:**
This jack provides a balanced line level output for connection to additional powered subwoofers or amplifiers.



DVP-AX15B/DVP-AX18B REAR PANEL FEATURES

- 1. HEAT SINK :**
Dissipation of heat build up from the amplifier via air cooling at the rear of the enclosure. Do not obstruct.
- 2. VOLUME controls for INPUTS:**
These knobs control the level of each input channel.
- 3. INPUTS:**
These convenient jacks allow XLR or 1/4” balanced inputs to be made.



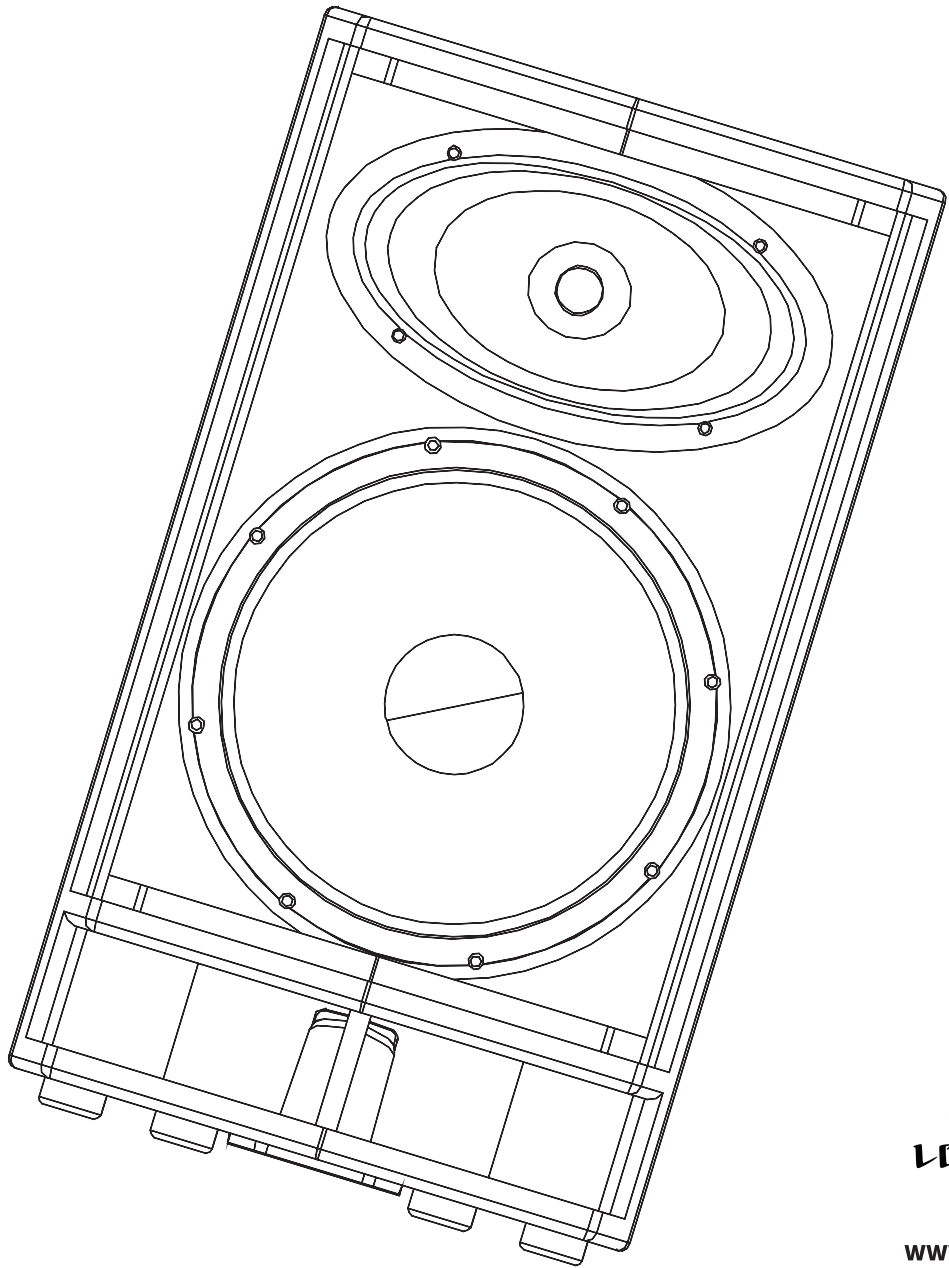
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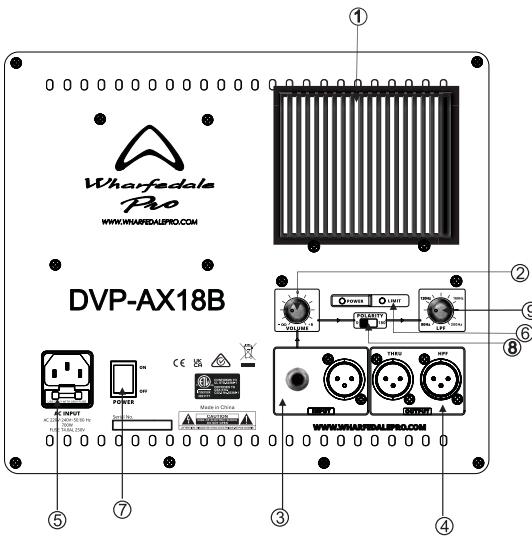
WHARFEDALE PRO DVP- AX SERIES USER MANUAL >>>

DVP-AX SERIES

DVP-AX12 / DVP-AX15 / DVP-AX215
DVP-AX12M / DVP-AX15M
DVP-AX15B / DVP-AX18B

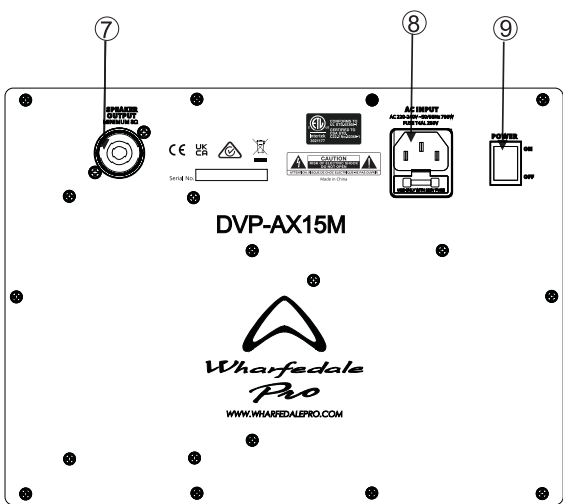
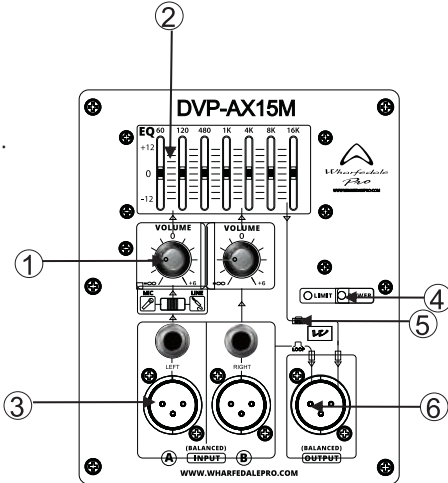


- 4. OUTPUTS:**
A balanced male XLR connector provides a HIGH PASS output signal
- 5. POWER cord receptacle:**
This is a receptacle for a standard IEC, three prong, grounded AC electrical connection cord. Be sure that you are plugging into the correct source voltage that matches what is indicated just below the power cord jack.
- 6. LIMIT LED/ POWER LED :**
The green LED indicator illuminates when the unit is powered up. The red LED illuminates when the signal limiting function is activated.
- 7. POWER ON / OFF switch:**
This switch turns the power on and off.
- 8. PHASE SWITCH:**
Selects the polarity of the signal being sent to the subwoofer. 0° selects the signal polarity as it appears at the input. The 180° selection inverts the polarity of the signal.
- 9. CROSSOVER FREQUENCY CONTROL:**
Adjustable 80Hz to 200Hz frequency range.



DVP-AX12M/DVP-AX15M REAR PANEL FEATURES

- 1. VOLUME controls for INPUT A and INPUT B:**
These knobs control the level of each input channel.
- 2. 7 band EQ:**
Use this 7-band graphic EQ to cut or boost the signal by up to 12dB at designed frequencies. This is useful for reducing low frequency rumble or feedback that can occur on stage.
- 3. XLR and 1/4” input jacks for INPUT A and INPUT B:**
These convenient jacks allow XLR or ¼” balanced input connections to INPUT A and INPUT B
- 4. Power “ON” indicator LED and LIMIT indicator LED:**
The power ‘ON’ LED is illuminated when the power switch is in the ‘ON’ position. The LIMIT LED will illuminate when the signal limiter is limiting the level of the signal to prevent distortion and overload.
- 5. Output source “LOOP / MIX” switch:**
In the “LOOP” mode, this switch routes the signal of INPUT A and INPUT B to the line level XLR OUTPUT jack, bypassing the EQ section and volume control. When in the MIX mode, this switch routes the combined (or “mixed”) signals of both INPUT A and INPUT B to the line level XLR OUTPUT jack.
- 6. XLR line level OUTPUT jack:**
This jack provides a balanced line level output for connection to additional powered subwoofers or amplifiers.
- 7. Speaker out:**
The Speaker Out is a post EQ, powered output designed for speakers with a minimum impedance of 8 ohms. This output should only be connected to non-powered monitor speakers. The DVP-X12M/X15M are the perfect extension monitor to use in this application.
- 8. Power switch:**
Use this switch to turn the unit on and off.
- 9. Power cord receptacle:**
This is a receptacle for a standard IEC, three prong, grounded AC electrical connection cord. Be sure that you are plugging into the correct source voltage that matches what is indicated just below the power cord jack.



- ♦ **Damage to the equipment may occur if an improper line voltage is used.**
- ♦ **Never remove or cut the ground pin of the line core plug.**

WARNING AND SAFETY INSTRUCTIONS

- 1. READ ALL INSTRUCTIONS**
Carefully read and become familiar with the features and functions of these products before operating them.
- 2. RETAIN THESE INSTRUCTIONS**
For future reference.
- 3. COMPLY WITH ALL WARNINGS**
All warnings and instructions for this product should be adhered to.

4. USE WITH AMPLIFIERS
In order to avoid damage to drivers and other equipment, it is advisable to establish and follow a routine for powering up and powering down a sound system. With all system components connected, turn on source equipment (mixers, signal processors, record and playback units, etc.) BEFORE powering up amplifiers. Transient voltages from powering up source equipment can damage speakers if amplifiers are already turned on. Make sure that amplifier volumes are set to their minimum settings and power up any system amplifiers LAST. It is recommended that all system components be allowed to stabilise for several seconds before powering down any other system components.

5. CABLES
Do not use shielded or microphone cables for connection between amplifiers and speakers. Use only approved speaker cables with proper connectors.

6. RIGGING – SUSPENDING – MOUNTING
Rigging, suspending and mounting of these speaker systems can expose members of the public to serious health risks and even death. Under no circumstances attempt to rig,suspend or otherwise mount these speakers unless you are fully qualified and certified to do so by relevant local, state and national authorities. All relevant safety regulations must be followed. If you are not properly qualified or do not know of pertinent regulations, consult qualified personnel for advice.

7. CAUTION
These professional loudspeaker systems are capable of generating very high sound pressure levels.Use care with placement and operation to avoid exposure to excessive volume levels. Permanent hearing damage can result when operated to extreme levels.

8. SERVICE
There are no user serviceable parts inside the product. Users should not attempt to service this product. Warranty nullification could result if this is attempted.

INTRODUCTION

DVP-AX is a comprehensive lineup of versatile and road-ready active loudspeakers. Class D amplification housed in ultra hard wearing cabinets make DVP-AX the perfect choice for hard working DJ's and musicians on the road.

The full-range models feature advanced DSP processing with 6 presets tailored to overcome many real-life sonic challenges and a handy 2 channel mic/line mixer makes life on stage easier. The floor monitor models feature a 7-band EQ to help deliver maximum volume without feedback. DVP-AX delivers advanced electronics - but in a road-ready cabinet.

KEY FEATURES

- Advanced DSP with a 6-position switch for multi-use presets
 - 2 channel mixer with mic, line level and balanced XLR output
 - Floor monitors feature 7-band EQ and Speaker output for connection to an additional passive “slave” speaker
 - Individually tuned front ported systems for clear, punchy bass
- Extended-range IRIS X Titanium dome HF driver
 - High powered LF driver using a double-roll surround
 - Fine-tuned crossover, built in house for audio signal purity and optimised tuning
 - Enhanced Rhino Rock paint finish



SPECIFICATIONS

Model Name	DVP-AX12	DVP-AX12M	DVP-AX15	DVP-AX15M	DVP-AX215	DVP-AX15B	DVP-AX18B
System Type	Active 12" 2-way	Active 12" 2-way monitor	Active 15" 2-way	Active 15" 2-way monitor	Active 2 x 15" 2-way	Active 15" subwoofer	Active 18" subwoofer
Frequency Response (+/-3 dB)	60-18 kHz	60-18 kHz	50-18 kHz	55-18 kHz	45-18 kHz	45-150 Hz	35-150 Hz
Frequency Range (-10 dB)	55-20 kHz	55-20 kHz	45-20 kHz	50-20 kHz	40-20 kHz	38-150 Hz	30-150 Hz
Maximum SPL @1 m	129 dB	129 dB	130 dB	130 dB	135 dB	130 dB	132 dB
Sensitivity @ 1 W / 1 m	98 dB	98 dB	98 dB	98 dB	101dB	98 dB	99 dB
LF transducer Size (mm / inches)	305 mm / 12"	305 mm / 12"	381 mm / 15"	381 mm / 15"	2 * 381 mm / 15"	381 mm / 15"	470 mm / 18"
LF Coil Size (mm / inches)	Dual layer 2.5"	Dual layer 2.5"	Dual 2 layer 2.5"	Dual 2 layer 2.5"	Dual 2 layer 2.5"	Dual layer 2.5"	Quad layer 2.5"
HF transducer : Type	Compression Driver	Compression Driver	Compression Driver	Compression Driver	Compression Driver		
HF Coil Size (mm / inches)	44 mm / 1.75"	44 mm / 1.75"	44 mm / 1.75"	44 mm / 1.75"	44 mm / 1.75"		
HF Exit Size (mm / inches)	25 mm / 1"	25 mm / 1"	25 mm / 1"	25 mm / 1"	25 mm / 1"		
HF Diaphragm Material	Titanium	Titanium	Titanium	Titanium	Titanium		
Nominal Coverage (H x V)	90° x 60°	90° x 60°	90° x 60°	90° x 60°	90° x 60°		
LF Power Amplifier -Class D, RMS/Peak Watts	150 W / 300 W	250 W / 500 W (8 Ω) 500 W / 1000 W (4 Ω)	350 W / 700 W	250 W / 500 W (8 Ω) 500 W / 1000 W (4 Ω)	500 W / 1000 W	600 W / 1200 W	600 W / 1200 W
HF Power Amplifier -Class D, RMS/Peak Watts	50 W / 100 W	N/A	50 W / 100 W	N/A	70 W / 140 W		
DSP	Yes	7-band EQ	Yes	7-band EQ	Yes	N/A	N/A
Controls---D-EQ	1:FLAT 2:MONITOR 3:SPEECH 4:BASS 5:PUNCH 6:LIVE	60 Hz 120 Hz 480 Hz 1 kHz 4 kHz 8 kHz 16 kHz	1:FLAT 2:MONITOR 3:SPEECH 4:BASS 5:PUNCH 6:LIVE	60 Hz 120 Hz 480 Hz 1 kHz 4 kHz 8 kHz 16 kHz	1:FLAT 2:MONITOR 3:SPEECH 4:BASS 5:PUNCH 6:LIVE	N/A	N/A
Amplifier Protection. Power On, Thermal, low voltage	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Driver Protection,DC, Short, Clip indicator	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Limiter Indicator	Red LED	Red LED	Red LED	Red LED	Red LED	Red LED	Red LED
Power Indicator	Green LED (Red LED front)	Green LED (Red LED front)	Green LED (Red LED front)	Green LED (Red LED front)	Green LED (Red LED front)	Green LED (Red LED front)	Green LED (Red LED front)
INPUTS : Input Sensitivity : Balanced	775 mv	775 mv	775 mv	775 mv	775 mv	775 mv	775 mv
Maximum Input Level	4 v	6 v	4 v	6 v	4 v	6 v	6 v
Input Connector	2*XLR & 2*1/4" (Line/MIC)	2*XLR & 2*1/4" (Line/MIC)	2*XLR & 2*1/4" (Line/MIC)	2*XLR & 2*1/4" (Line/MIC)	2*XLR & 2*1/4" (Line/MIC)	XLR & 1/4" (Line/MIC)	XLR & 1/4" (Line/MIC)
Input Impedance	Balanced:20 K	Balanced:20 K	Balanced:20 K	Balanced:20 K	Balanced:20 K	Balanced:20 K	Balanced:20 K
LPF control	N/A	N/A	N/A	N/A	N/A	80 Hz-120 Hz	80 Hz-120 Hz
Polarity Control	N/A	N/A	N/A	N/A	N/A	0°/180°	0°/180°
OUTPUTS : Line Output Connector	XLR	XLR(Balanced out)	XLR	XLR(Balanced out)	XLR	XLR THRU/HPF(OUT)	XLR THRU/HPF(OUT)
AC Power Options : SMPS	220-240 V 50/60 Hz	220-240 V 50/60 Hz	220-240 V 50/60 Hz	220-240 V 50/60 Hz	220-240 V 50/60 Hz	220-240 V 50/60 Hz	220-240 V 50/60 Hz
	100-120 V 50/60 Hz	100-120 V 50/60 Hz	100-120 V 50/60 Hz	100-120 V 50/60 Hz	100-120 V 50/60 Hz	100-120 V 50/60 Hz	100-120 V 50/60 Hz
Pole socket	Dual-angle (0°/10°) 35 mm socket	N/A	Dual-angle (0°/10°) 35 mm socket	N/A	N/A	35 mm pole socket	35 mm pole socket
Handles	2 carry handles (one on each side)	2 carry handles (one on each side)	2 carry handles (one on each side)	2 carry handles (one on each side)	2 carry handles (one on each side)	2 carry handles (one on each side)	2 carry handles (one on each side)
Enclosure Material and Finish	MDF / Black paint	MDF / Black paint	MDF / Black paint	MDF / Black paint	MDF / Black paint	MDF / Black paint	MDF / Black paint
Grille Material & Finish	steel	steel	steel	steel	steel	steel	steel
Dimensions - Unpacked (mm / inches): Height	617 mm / 24.3"	428 mm / 16.9"(SITU)	689 mm / 27.1"	520 mm / 20.5"(SITU)	1058 mm / 41.7"	591 mm / 23.3"	650 mm / 25.6"
Width	361.2 mm / 14.2"	359 mm / 14.1"	443.5 mm / 17.5"	449 mm / 17.7"	444.5 mm / 17.5"	454 mm / 17.9"	528 mm / 20.8"
Width (rear)	207.6 mm / 8.2"	359 mm / 14.1"	243.5 mm / 9.6"	449 mm / 17.7"	245.3 mm / 9.7"	454 mm / 17.9"	528 mm / 20.8"
Depth	342.4 mm / 13.5"	537 mm / 21.1"	429.0 mm / 16.9"	640 mm / 25.2"	429.0 mm / 16.9"	534 mm / 21.0"	639 mm / 25.2"
Dimensions - Packed (mm / inches):Height	680 mm / 26.8"	396 mm / 15.6"	750 mm / 29.5"	485 mm / 19.1"	1125 mm / 44.3"	681 mm / 26.8"	740 mm / 29.1"
Width	438 mm / 17.3"	396 mm / 15.6"	520 mm / 20.5"	676 mm / 26.6"	520 mm / 20.5"	620 mm / 24.4"	725 mm / 28.5"
Width (rear)	236 mm / 9.3"	573 mm / 22.6"	290 mm / 11.4"	676 mm / 26.6"	290 mm / 11.4"	620 mm / 24.4"	725 mm / 28.5"
Depth	428 mm / 16.9"	448 mm / 17.6"	485 mm / 19.1"	541 mm / 21.3"	496 mm / 19.5"	540 mm / 21.3"	614 mm / 24.2"
Net Weight (kg / lbs)	18.7 kg / 41.1 lbs	18.5 kg / 40.7 lbs	23.8 kg / 52.4 lbs	23.5 kg / 51.7 lbs	34.3 kg / 75.5 lbs	29.9 kg / 65.8 lbs	38.3 kg / 84.3 lbs
Gross Weight (kg / lbs)	21.4 kg / 47.1 lbs	21.4 kg / 47.1 lbs	27.3 kg / 60.1 lbs	27.2 kg / 59.8 lbs	38.7 kg / 85.1 lbs	34.9 kg / 76.8 lbs	44.2 kg / 97.2 lbs