

WHARFEDALE PRO EVO-X SERIES USER MANUAL



- EVO-X12
- EVO-X12M
- EVO-X15
- EVO-X15M
- EVO-X215
- EVO-X15B
- EVO-X18B
- EVO-X218B

WARNING & 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 stabilize for several seconds before any source signals are introduced or level setting adjustments are made. Similarly, when shutting systems down, turn all amplifiers off first, 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

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 this product. Users should not attempt to service this product. Warranty nullification could result if this is attempted.

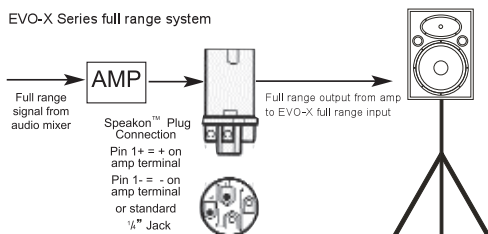
Key Features

- 90°x 60°Elliptical Wave Guide.
- High power handling, high efficiency/ 1.75" Titanium diaphragm compression driver
- Integral High Frequency Driver Overload Protection
- Sophisticated crossover design enables smooth power and frequency response control through crossover region.
- Trapezoidal shape for arraying cabinets
- Dual-angle(0°or-10°)35mm pole socket
- 2 x 4-Way High Impact Plastic Handles
- High frequency EQ switch to boost(+3 dB)or flat output
- High pass output for mid/high frequency satellite speakers(subwoofers only)
- Signal present and HF protect LED indicators on full range cabinets.

EVO-X FULL RANGE

EVO-X12 EVO-X12M EVO-X15 EVO-X15M EVO-X215

EVO-X Series full range system



CONNECTION

1. Connect the speaker cable securely to your EVO-X cabinet and power amplifier(the amplifier should be OFF, POWER DOWN MIDE). Where possible use Speakon™ connectors as they are professional high current connections specifically designed for this application. Try to use the correct type of speaker cable according to the handling ability of your EVO-X Series Cabinet. Use 2 conductor equal stranded insulated cable for speaker runs. It is always advisable to use heavier conductor cables on longer runs.

2. If using Speakon™, insert the speakon and rotate 1/8 of a turn until locked in. If using a jack plug insert until secure.

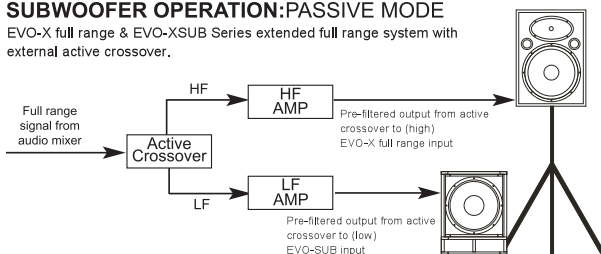
3. Power up amplifier with levels on zero. Confirm units are operating.

EVO-X FULL RANGE AND SUBWOOFER

EVO-X15 EVO-X18B

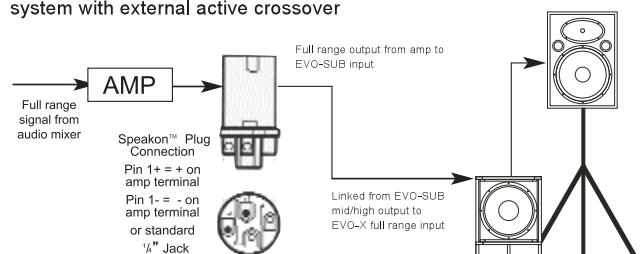
SUBWOOFER OPERATION: PASSIVE MODE

EVO-X full range & EVO-XSUB Series extended full range system with external active crossover.



SUBWOOFER OPERATION: ACTIVE MODE

EVO-X full range & EVO-SUB Series extended full range system with external active crossover



WHARFEDALE PRO EVO-X SERIES USER MANUAL

Specification sheet

Model Name	EVO-X12	EVO-X12M	EVO-X15	EVO-X15M	EVO-X215	EVO-X15B	EVO-X18B	EVO-X218B
System Type	passive	passive	passive	passive	passive	passive	passive	passive
Configuration	Two-way	Two-way Monitor	Two-way	Two-way Monitor	Quasi Three-way	Subwoofer	Subwoofer	Subwoofer
Frequency Response (+/-3dB)	55Hz - 20kHz	60Hz - 20kHz	45Hz - 20kHz	50Hz - 20kHz	40Hz - 20kHz	40Hz - 250Hz	35Hz - 250Hz	30Hz - 250Hz
Frequency Range (- 10 dB)	50Hz - 20kHz	55Hz - 20kHz	40Hz - 20kHz	45Hz - 20kHz	35Hz - 20kHz	35Hz - 250Hz	30Hz - 250Hz	28Hz - 250Hz
Sensitivity (2.83v/1m)	98dB	98dB	98dB	98dB	100dB	99dB	100dB	107dB
Calculated Maximum SPL @1m	129dB	129dB	130dB	130dB	135dB	131dB	134dB	137dB
System Rated Impedance	8Ω	8Ω	8Ω	8Ω	4Ω	4Ω	4Ω	4Ω
Low Frequency Transducer								
Size	305mm / 12"	305mm / 12"	381mm / 15"	381mm / 15"	381mm / 15"	381mm / 15"	470mm / 18"	470mm / 18"
Voice-Coil Size	51.6mm / 2"	51.6mm / 2"	64.26mm / 2.5"	64.26mm / 2.5"	64.26mm / 2.5"	64.26mm / 2.5"	76.2mm / 3"	76.2mm / 3"
Rated Impedance	8Ω	8Ω	8Ω	8Ω	8Ω	4Ω	4Ω	8Ω
LF Power (re:AES2-2012)	300W	300W	350W	350W	2X350W	400W	600W	2X600W
High Frequency Transducer								
HF Driver Type	Compression Driver	Compression Driver	Compression Driver	Compression Driver	Compression Driver	-	-	-
Voice-Coil Size	44.5mm / 1.75"	44.5mm / 1.75"	44.5mm / 1.75"	44.5mm / 1.75"	44.5mm / 1.75"	-	-	-
Exit Size	25mm / 1"	25mm / 1"	25mm / 1"	25mm / 1"	25mm / 1"	-	-	-
Diaphragm Material	Titanium	Titanium	Titanium	Titanium	Titanium	-	-	-
Rated Impedance	8Ω	8Ω	8Ω	8Ω	8Ω	-	-	-
HF Power (re:AES2-2012)	40W	40W	40W	40W	40W	-	-	-
Nominal Coverage (H x V)	90° x 60°	90° x 60°	90° x 60°	90° x 60°	90° x 60°	-	-	-
Power								
System Continuous Power	300W	300W	350W	350W	700W	400W	600W	1200W
System Programme Power	600W	600W	700W	700W	1400W	800W	1200W	2400W
System Peak Power	1200W	1200W	1400W	1400W	2800W	1600W	2400W	4800W
Crossover frequency	2.3kHz	2.4kHz	2.2kHz	2.3kHz	2.3kHz	150Hz	150Hz	150Hz
Input Connector	2 x NL4 (speakON Compatible) + 2 x 1/4" Jacks	2 x NL4 (speakON Compatible) + 2 x 1/4" Jacks	2 x NL4 (speakON Compatible) + 2 x 1/4" Jacks	2 x NL4 (speakON Compatible) + 2 x 1/4" Jacks	2 x NL4 (speakON Compatible) + 2 x 1/4" Jacks	2 x NL4 (speakON Compatible) + 2 x 1/4" Jacks	2 x NL4 (speakON Compatible) + 2 x 1/4" Jacks	2 x NL4 (speakON Compatible) + 2 x 1/4" Jacks
Hardware								
Pole Mount	Dual Angle (0° or 10°) 35mm Pole Socket		Dual Angle (0° or 10°) 35mm Pole Socket			35mm Pole Socket	35mm Pole Socket	35mm Pole Socket
Handles	2 on Sides	2 on Sides	2 on Sides	2 on Sides	2 on Sides	2 on Sides	2 on Sides	2 on Sides
Enclosure								
Enclosure Material	MDF	MDF	MDF	MDF	MDF	MDF	MDF	MDF
Finish	Black Paint	Black Paint	Black Paint	Black Paint	Black Paint	Black Paint	Black Paint	Black Paint
Grille Material & Finish	1,2mm Steel	1,2mm Steel	1,2mm Steel	1,2mm Steel	1,2mm Steel	1,2mm Steel	1,2mm Steel	1,2mm Steel
Dimensions - Unpacked)								
Height	590mm / 23.23"	560mm / 22.05"	675mm / 26.57"	645mm / 25.39"	1058mm / 41.65"	591mm / 23.27"	650mm / 24.02"	650mm / 25.59"
Width Front	430mm / 16.93"	424mm / 16.69"	460mm / 18.11"	445mm / 17.52"	502mm / 19.76"	460mm / 18.11"	522mm / 20.55"	1020mm / 40.16"
Width Rear	297.5mm / 11.71"	424mm / 16.69"	294.5mm / 11.59"	445mm / 17.52"	330mm / 12.99"	460mm / 18.11"	522mm / 20.55"	1020mm / 40.16"
Depth	370mm / 14.57"	441mm / 17.36"	450mm / 17.72"	473.5mm / 18.64"	467mm / 18.39"	510mm / 20.08"	610mm / 24.02"	610mm / 24.02"
Dimensions - Packed (mm / inches):								
Height	655mm / 25.79"	480mm / 18.9"	750mm / 29.53"	501mm / 19.72"	1123mm / 44.21"	679mm / 26.7"	738mm / 29.0"	728mm / 30.12"
Width Front	492mm / 19.37"	616mm / 24.25"	524mm / 21.02"	691mm / 27.2"	564mm / 22.2"	534mm / 21"	588mm / 23.1"	1092mm / 44.09"
Width Rear	328mm / 12.91"	616mm / 24.25"	324mm / 12.76"	691mm / 27.2"	362mm / 14.25"	534mm / 21"	588mm / 23.1"	1092mm / 44.09"
Depth	408 / 16.06"	490mm / 19.29"	486mm / 19.13"	532mm / 20.94"	496mm / 19.53"	590mm / 23.2"	690mm / 27.2"	685mm / 27.95"
Weight								
Net Weight (kg / lbs)	20.9kg / 45.9lbs	19.9kg / 44.0lbs	26.4kg / 58.1lbs	22.9kg / 50.4lbs	43.5kg / 95.7lbs	30.06kg / 66.1lbs	40.8kg / 89.0lbs	69kg / 151.8lbs
Gross Weight (kg / lbs)	24.1kg / 53.0lbs	23.1kg / 50.8lbs	30.4kg / 66.9lbs	26.5kg / 58.3lbs	49.6kg / 109.1lbs	33.1kg / 72.8lbs	43.6kg / 95.9lbs	79kg / 173.3lbs



UNPACKING

All Wharfedale Pro products are fully checked before leaving the factory. After unpacking please inspect cabinets for any physical damage. Please retain the shipping carton if possible and internal

packing material in case the unit needs to be returned. Please check as soon as possible the unit is functioning. In the event of any damage please contact your dealer immediately so that a written claim for damage can be made.

WHARFEDALE PRO LIMITED WARRANTY

Wharfedale Pro products are warranted of manufacturing or material defects for a period of one year from the original date of purchase. In the event of malfunction, contact your authorized Wharfedale Pro dealer or distributor for information.

*Be aware that warranty details may differ from country to country. Contact your dealers or distributor for information. These terms do not infringe your statutory rights.



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