

# MX series



Wharfedale Pro's MX Series high-performance passive loudspeakers complement portable and high-end club system applications. Available in single, dual-woofer, monitor and subwoofer configurations, the MX Series delivers extreme accuracy at high sound pressure levels, while retaining a very natural sound.

Incorporating advanced high-efficiency Wharfedale Pro drivers, matched with precision crossovers, the MX Series provide a smart and affordable upgrade to existing club and rental installations.

## FEATURES

- Custom high-efficiency Wharfedale Pro full-range drivers
- 50mm Titanium compression driver with Conical Waveguide Technology
- Sophisticated crossover design enables smooth power and frequency response
- Protective steel grille with reflective plating
- Pole-mount socket (MX-112, MX-115, MX-118B, MX-F18B), MX-F18B features four casters for easy roll in and set up
- PRO-TECH integrated High-Frequency Driver Overload Protection
- FULL-RANGE/BIAMP switch and Speakon™ connectors

## MX Series Two Way monitors:

The brand new MX-112M and MX-115M are the latest two-way monitor loudspeaker systems introduced by Wharfedale Pro. Both models complement portable live sound reinforcement and high-end club system applications.

Available in 12" and 15" dual-woofer configurations, the MX-112M and MX-115M deliver extreme accuracy at high sound pressure levels, while retaining a very natural sound. Incorporating advanced high-efficiency Wharfedale Pro drivers, matched with precision crossovers, the MX-112M and MX-115M provide smart and affordable upgrade to existing club and rental installations.



### MX-112M

- Dual use main/monitor two-way system
- Integral pole mount adapter
- One integral carry handle
- Selectable Bi-amp capability
- High Power Handling Capabilities up to 1600 Watts Peak
- 14 M-10 threaded inserts for suspension applications (three on top and bottom, two on three sides, and two on the back of the enclosure)
- Tuned cabinet provides enhanced, low distortion, high output performance
- 18mm (3/4") plywood construction



### MX-115M

- Dual use main/monitor two-way system
- Integral pole mount adapter
- Three integral carry handles
- Selectable Bi-amp capability
- High Power Handling Capabilities up to 2000 Watts Peak
- 14 M-10 threaded inserts for suspension applications (three on top and bottom, two on three sides, and two on the back of the enclosure)
- Tuned cabinet provides enhanced, low distortion, high output performance
- 18mm (3/4") plywood construction



## MX Series Two Way Loudspeakers:

All MX Series two-way loudspeaker enclosures are trapezoidal shaped with M 10 rigging points for easy array setups. Constructed using 18mm birch plywood, the MX Series is meticulously designed for superior acoustics and durability. The integrated carrying handles make for easy transport. Hookup is simple with integrated industry standard Speakon™ connectors.

Cast frame and oversize LF voice coils mean sustained high power output capacity and minimal power compression. Conical Waveguide Technology coupled with a 50mm titanium compression driver provide a dispersion pattern of 75° x 75° allowing for even coverage, especially in the crucial vocal ranges.



### MX-112

- Single 12", Two-way system
- Integral pole mount adapter
- Two integral carry handles
- Selectable Bi-amp capability
- High Power Handling Capabilities up to 1600 Watts Peak
- 14 M-10 threaded inserts for suspension applications (five on top, three on the bottom, two on each side, and two on the back of the enclosure)
- Designed for a wide variety of sound reinforcement applications including permanent install (clubs) and portable live sound reinforcement
- Tuned cabinet provides enhanced, low distortion, high output performance -18mm (¾") plywood construction



### MX-115

- Single 15", Two-way system
- High Power Handling Capabilities up to 2000 Watts Peak
- Integral pole mount adapter
- 2 integral carry handles
- 14 M-10 threaded inserts for suspension applications (five on the top, three on the bottom, two on each side and two on the back of the enclosure)
- Designed for a wide variety of sound reinforcement applications including permanent install (clubs) and portable live sound
- Tuned cabinet provides enhanced, low distortion, high output performance -18mm plywood construction



### MX-212

- Dual 12", Two-way system
- Four integral carry handles
- Selectable Bi-amp capability
- High Power Handling Capabilities up to 3200 Watts Peak
- 18 M-10 threaded inserts for suspension applications (four on the top, five on the bottom, four on each side and one on the back of the enclosure)
- Designed for a wide variety of sound reinforcement applications including permanent install (clubs) and portable live sound reinforcement
- Tuned cabinet provides enhanced, low distortion, high output performance -18mm (¾") plywood construction



### MX-212U

- Dual 12", Two-way system
- Selectable Bi-amp capability
- Designed primarily for suspension under balconies or close ceiling mount applications
- High Power Handling Capabilities up to 3200 Watts Peak
- 18 M-10 threaded inserts for suspension applications (four on the top, five on the bottom, four each side and one on the back of the enclosure)
- Designed for a primarily for permanent installation applications (clubs)
- Tuned cabinet provides enhanced, low distortion, high output performance -18mm (¾") plywood construction

## MX Series Subwoofers

Wharfedale Pro's MX Series passive subwoofers are ideal for adding massive low end to the MX Series two-way loudspeakers – or any existing sound system in need of extended low frequency response. All MX Series subwoofers feature proprietary 18" Wharfedale Pro Drivers and 13ply birch construction. With convenient carry handles and pole mount sockets, rugged design and durability, MX Series subwoofers can survive the punishment of professional installation as well as life on the road.



### MX-118B Band Pass Subwoofer

- Single 18" high efficiency 4" voice, coil low frequency transducer with aluminium die-cast frame
- High Power Handling Capabilities up to 2400 Watts
- Compact 4th order band pass design providing high efficiency without the need for a crossover
- Available in 4 or 8 ohm configurations
- Two integral carry handles-Integral pole mount adapter
- 18mm (¾") birch plywood construction



### MX-F18B Folded Horn Subwoofer

- Single 18" high efficiency 4" voice coil, low frequency transducer with aluminium die-cast frame
- Specially designed horn and compression chamber provides increased efficiency and high dB SPL
- High Power Handling Capabilities up to 3200 Watts-Switchable to 4 or 8 ohm configurations
- Integral pole mount adapter-4" heavy duty castors for ease of mobility
- Two integral handles with convenient tilt mode for easy set up-18mm (¾") birch plywood construction



### MX-218B Horn-Loaded Subwoofer

- Dual 18" high efficiency 4" voice coil low frequency transducers with aluminium die-cast frames
- High Power Handling Capabilities up to 6400 Watts-Specially designed dual chamber enclosure allowing for use of single or dual amplifier channels via recessed switch on the connector plate
- 4 ohm parallel, single channel or discrete 8 ohm dual channel configurations available
- 4" heavy duty castors for ease of mobility
- Four integral carry handles
- 18mm (¾") birch plywood construction

## MX Series Specification

Model	MX-112	MX-115	MX-112M	MX-115M	MX-212	MX-212U	MX-118B	MX-F18B	MX-218B	
Features	12" 2 Way	15" 2 Way	12" 2 Way Monitor	15" 2 Way Monitor	2x12" 2 Way	2x12" 2 Way	1x18" Band Pass Subwoofer	1x18" Folded Horn Subwoofer	2 x 18" Subwoofer	
Freq Response +/-3dB	60-20kHz	50-20kHz	65-20kHz	55-20kHz	45-20kHz	50-20kHz	45-180Hz	30-300Hz	45-250Hz	
Sensitivity 1 watt @ 1m	97dB	98dB	97dB	98dB	100dB	100dB	100dB	106dB	106dB	
Nominal Coverage H/V	75/75	75/75	70/70	70/70	75/75	75/75	-	-	-	
Power (watts)									Parallel:	Discrete:
Continuous	400	500	400	500	800	800	600	800	1600	800
Music	800	1000	800	1000	1600	1600	1200	1600	3200	1600
Peak	1600	2000	1600	2000	3200	3200	2400	3200	6400	3200
Max SPL Peak	129dB	131dB	129dB	131dB	135dB	135dB	134dB	141dB	144dB	
Nominal Impedance	Full Range: 8 Ohms BI-AMP LF: 8 Ohms BI-AMP HF: 8 Ohms		Full Range: 8 Ohms BI-AMP LF: 8 Ohms BI-AMP HF: 8 Ohms		Full Range: 8 Ohms BI-AMP LF: 8 Ohms BI-AMP HF: 8 Ohms		4 or 8 Ohms	4 or 8 Ohms	Parallel: 4 Ohms	Discrete: 2 x 8 Ohms
LF driver size-inches	12"	15"	12"	15"	2x12"	2x12"	18"	18"	2 x 18"	
HF Section:										
Coil Size mm/inches	50/2"	50 / 2"	50/2"	50/2"	50/2"	50/2"	-	-	-	
Exit Size mm/inches	35/1.4"	35/1.4"	25/1"	25/1"	35/1.4"	35/1.4"	-	-	-	
HF Diaphragm Material	Titanium	Titanium	Titanium	Titanium	Titanium	Titanium	-	-	-	
HF Horn Type	Round	Round	Round	Round	Round	Round	-	-	-	
HF Protection Type	Bulb	Bulb	Bulb	Bulb	Bulb	Bulb	-	-	-	
CROSSOVER SECTION										
Crossover Frequency	1.9kHz	1.9kHz	1.9kHz	1.9kHz	1.9kHz	1.9kHz	-	-	-	
Crossover Modes	Bi-amp/passive, externally switchable			Bi-amp/passive, externally switchable			-	-	-	
System Fb	60Hz	50Hz	65Hz	55Hz	45Hz	50Hz	45Hz	30Hz	45Hz	
Finish	Black Paint	Black Paint	Black Paint	Black Paint	Black Paint	Black Paint	Black Paint	Black Paint	Black Paint	
Construction Material	18mm Birch plywood		18mm Birch plywood		18mm Birch plywood		18mm Birch plywood		18mm Birch plywood	
Number of handles	2	2	1	3	4	NO	2	4	4	
Rigging	14xM10 flying	14xM10 flying	14 x M10 flying	14 x M10 flying	18 x M10 flying	18 x M10 flying	-	-	-	
Grille	1.5mm full steel (silver)		1.5mm full steel (silver)		1.5mm full steel (silver)		-	-	1.5mm full steel (silver)	
Stand adaptor	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	
Input connector										
(Speakon™ NL4type)	2	2	2	2	2	2	2	2	2	
Castors	-	-	-	-	-	-	-	4	-	
Carton Dimensions:										
Height mm	752	828	688	747	791	536	669	1009	666	
Width Front/Rear mm	440/440	518	460	518	737	1174.10	619/619	689/689	1216/1216	
Depth mm	455	510	455	510	616	460.8	619	994	796	
Product Dimensions:										
Height mm	692	768	603	664	710	476	609	914	600	
Width Front/Rear mm	380/208	458/254	380	458	658	1114.10	559/559	609/609	1150/1150	
Depth mm	395	450	405	483	550	400.8	559	914	730	
Net Weight (kg/lbs)	30.12/66.26	36.9/81.18	27.3/60.06	31.9/70.18	52.0/114.4	47.4/104.28	46.78/102.91	80.5/177.1	87.8/193.38	
Gross Weight (kg/lbs)	35.8/78.76	42.8/94.16	29.64/65.21	38.5/84.7	60.1/132.22	54.3/119.46	50.2/110.44	85.2/187.44	102.6/225.72	