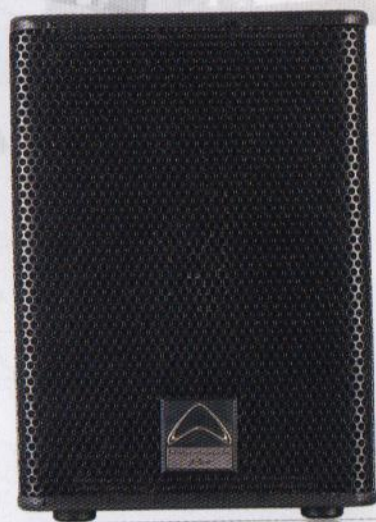


Twin-X Series



Wharfedale
Pro

The Wharfedale Pro TWIN X Series of professional loudspeakers are compact, high efficiency point source systems designed to meet demanding professional applications requiring both sonic quality and integrity.

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The Wharfedale Pro TWIN X Series of professional loudspeakers are compact, high efficiency point source systems designed to meet demanding professional applications requiring both sonic quality and integrity. The TWIN X Series is especially suited to high quality sound reinforcement applications where the power response and overall performance are required to give exceptional results even in challenging acoustic spaces.

Whether applied to a reverberant or "dry" club type acoustic environment the TWIN X integrates successfully with the room for superior sound quality with a minimum of equalization and tuning. Due to the co-axial design the TWIN X also provides excellent stage monitoring in near field situations where a conventional systems' low frequency and high frequency sources are offset too far for smooth listening and feedback isolation, at a performers position. The sonic quality of the TWIN X series is open and natural, generating a sound and image of exceptional quality.

The multiple angle wedge profile of the TWIN X enclosure makes it ideal for low profile ceiling mounting as well as low profile stage monitoring.

The TWIN X also features a dynamic high frequency driver protection circuit which gives progressive-dynamic limiting for both short term peaks and long term overload conditions. The sophisticated limiting function works progressively giving smooth sonic performance even when driven beyond the design limits of the system.

The cabinet of the TWIN X is constructed using premium quality birch plywood. The cabinet is then covered in a tough two stage textured paint finish (available in black or white) for extra durability. All full range units in the TWIN X series feature 12 x M10 flying points for ease of installation.

For extended bass response, the TWIN X offers a choice of passive or active compact sub bass systems.

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TWIN X

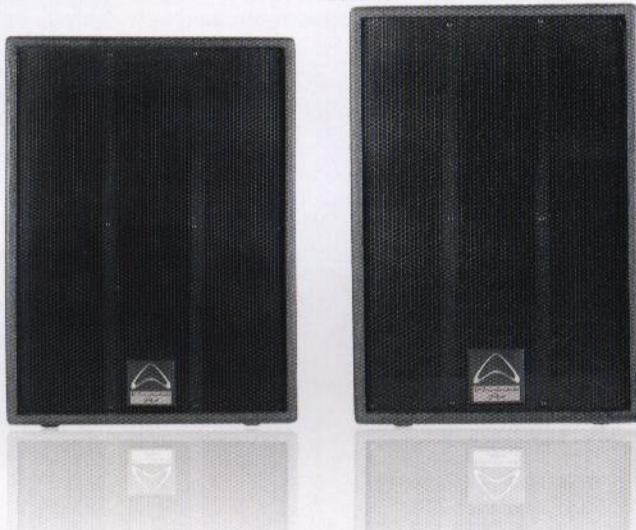
Features

FEATURES OF THE TWIN X SERIES INCLUDE:

- Proprietary designed, high efficiency, high power Wharfedale Professional coaxial two-way full-range drive units (full range units).
- Sophisticated crossover design enables smooth power and frequency response control through crossover region.
- Speakon™ connectors
- Protective full steel grille with acoustic foam backing
- High power output, low distortion sound quality
- Trapezoidal array design
- Built in rigging points
- Low profile ceiling mounting - low profile stage monitor
- Pole mount socket for portable sound system use
- Integral High Frequency Driver Overload protection "PRO-TECH"™
- Strong construction of acoustically inert birch plywood.
- Impact resistant multiple layered paint finish



TWIN X Subwoofers



The TWIN X Series offers a choice of four different subwoofers; the TWIN 15X SUB, TWIN 18X SUB, TWIN 15 X SUB ACTIVE and the TWIN 18X SUB ACTIVE.

All of the subwoofers in the range are compact, high efficiency, high performance enclosures with a choice of 15" or 18" bass units. The 15X SUB and 18X SUB are also available as an active subwoofer.

The TWIN-15X SUB ACTIVE and the TWIN 18X SUB ACTIVE are high efficiency powered subwoofers that features a 450 Watt and 600 Watt(RMS) class A-B power module respectively.

The folded bass horn subwoofer design provides nearly four times the acoustic output capability of ported designs giving exceptional headroom and dynamic range capability.

The Twin Active Subs reflect the synergistic advantage of integrating electronic and acoustic elements into one package. These enclosures offer the ultimate in 'plug and play' convenience while maximizing sonic performance.

Advanced sensing circuitry offers sonically transparent limiting and thermal driver protection for maximum reliability.

SUBWOOFER FEATURES:

- Proprietary designed, high efficiency, high power Wharfedale Professional Folded Bass Horn subwoofer with 15 inch (15X SUB) or 18 inch (18XSUB) heavy duty woofers.
- Sophisticated crossover design enables smooth power and frequency response control through crossover region.
- Speakon™ connectors
- Protective steel grille (part covering) with acoustic foam backing
- High power output, low distortion sound quality
- Rectangular shape
- Pole mount socket for portable sound system use
- Strong construction of acoustically inert 18mm birch plywood.
- Built in M10 rigging points (except Active version)
- Black Duraguard™ finish

ACTIVE SUBWOOFER FEATURES

- Strong construction with extensive bracing to reduce unwanted coloration.
- One balanced combination jack socket (XLR+1/4" phone socket) for input, one balanced and one 1/4" balanced line out.
- Four increment, 90 degree phase select control.
- Selectable crossover point at 80-100-150-200Hz.

TWIN X Specifications



| MODEL NAME | TWIN 8X | TWIN 10X | TWIN 12X | TWIN 15X |
|---------------------|--|--|--|--|
| Features | 8" coaxial | 10" coaxial | 12" coaxial | 15" coaxial |
| Freq resp +/- 3 db | 65-20k | 60-20k | 55-20k | 45-20k |
| Sensitivity 1w@1m | 94dB | 96dB | 98dB | 99dB |
| Nom coverage Horiz. | 60 | 70 | 70 | 70 |
| Nom coverage Vert. | 60 | 70 | 70 | 70 |
| Power: | IEC noise 6db crst | | | |
| Continuous | 100 | 150 | 200 | 300 |
| Music | 200 | 300 | 400 | 600 |
| Peak | 400 | 600 | 800 | 1200 |
| Max spl peak | 120dB | 124dB | 127dB | 130dB |
| Nom impedance | 8 Ω | 8 Ω | 8 Ω | 8 Ω |
| Product dimensions | | | | |
| H | 373 | 434 | 496 | 562 |
| W | 288 | 322 | 362.5 | 454 |
| D | 250 | 319 | 364 | 422 |
| Carton dimensions | | | | |
| H | 432 | 496 | 558 | 624 |
| W | 339 | 374 | 418 | 508 |
| D | 311 | 376 | 418 | 475 |
| Weight Net | 11.2KG | 15.5KG | 17.8KG | 27KG |
| Weight Gross | 13.2KG | 17.8KG | 19.8KG | 30KG |
| L F driver size | 8" | 10" | 12" | 15" |
| HF SECTION: | | | | |
| Coil size | 2" | 2" | 2" | 2" |
| Exit size | 1" | 1" | 1" | 1" |
| HF Diaphragm matl | titanium | titanium | titanium | titanium |
| Phase plug type | radial | radial | radial | radial |
| HF Protect Type | bulb | bulb | bulb | bulb |
| Crossover point | 2.6kHz | 2.5kHz | 2.3kHz | 2.4kHz |
| Finish | Black or white textured paint | Black or white textured paint | Black or white textured paint | Black or white textured paint |
| Construction | birch plywood | birch plywood | birch plywood | birch plywood |
| Handles qty | 1 | 1 | 1 | 1 |
| Rigging | 12 x M10 flying inserts Et one flying track on top | 12 x M10 flying inserts Et one flying track on top | 12 x M10 flying inserts Et one flying track on top | 12 x M10 flying inserts Et one flying track on top |
| Rubber feet | 7 | 7 | 7 | 7 |
| Grille | full steel | full steel | full steel | full steel |
| Stand adaptor | no | yes | yes | yes |
| Input connectos | two neutrik speakon | two neutrik speakon | two neutrik speakon- | two neutrik speakon |
| High Pass Output | no | no | no | no |



TWIN 15X SUB



TWIN 18X SUB



TWIN 15XSUB ACTIVE



TWIN 18XSUB ACTIVE

| TWIN 15X SUB | TWIN 18X SUB | TWIN 15XSUB ACTIVE | TWIN 18XSUB ACTIVE |
|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Folded Bass Horn Subwoofer | Folded Bass Horn Subwoofer | Powered Subwoofer | Powered Subwoofer |
| 40-150Hz | 35-150Hz | 40-200Hz | 35-200Hz |
| 100dB | 102dB | 100dB | 102dB |
| - | - | - | - |
| - | - | - | - |
| 450 | 600 | 600 | 600 |
| 900 | 1200 | | |
| 1800 | 2400 | | |
| 133dB | 136dB | 128dB | 130dB |
| 4 Ω | 4 Ω | 4Ω | 4Ω |
| 668 | 720 | 668 | 720 |
| 460 | 538 | 460 | 538 |
| 618 | 692 | 618 | 692 |
| 714 | 585 | 714 | 585 |
| 492 | 585 | 492 | 585 |
| 650 | 739 | 650 | 739 |
| 45.5KG | 62.5KG | 60.0KG | 70.8KG |
| 48.5KG | 64.5KG | 63.0KG | 72.8KG |
| 15" | 18" | 15" | 18" |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| 150Hz | 150Hz | Selectable 80,100,150, 200Hz | Selectable 80,100,150, 200Hz |
| Black or white textured paint | Black or white textured paint | Black or white textured paint | Black or white textured paint |
| birch plywood | birch plywood | birch plywood | birch plywood |
| 2 | 4 | 2 | 4 |
| 10 x M10 flying inserts | 10 x M10 flying inserts | None | None |
| 4 | 4 | 4 | 4 |
| part steel | part steel | part steel | part steel |
| yes | yes | yes | yes |
| two neutrik speakon | two neutrik speakon | XLR + 1/4" combination jack x 1 | XLR + 1/4" combination jack x 1 |
| | | XLR + 1/4" phone jack x 1 | XLR + 1/4" phone jack x 1 |
| yes (one neutrik speakon@ 80Hz) | yes (one neutrik speakon@a80Hz) | No | No |





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