

M SERIES

MS / MW / MC

Professional Installation Speakers

quest[™]
engineering

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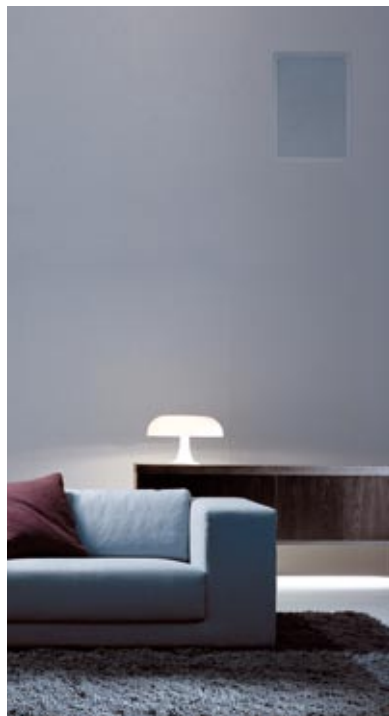
The speakers for all seasons

Quest Engineering has a long pedigree in live sound. Full range sound coverage at high SPL over long durations is our business. Quest engineers have applied the knowledge base from this heavy duty training ground to commercial audio, and the results speak for themselves. Durability, reliability, ease of installation and sonic excellence; as demanded by the discriminating community that represents the commercial audio market.

Sound Designers will love the versatility of the M series. Three model ranges developed in close consultation with contracting installation specialists make the M series a handy tool when applied to the broad requirements of today's sophisticated commercial sound market



Compact High Fidelity



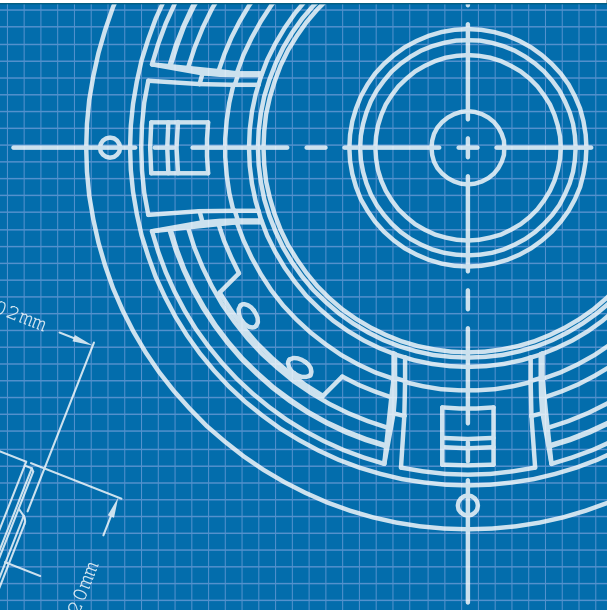
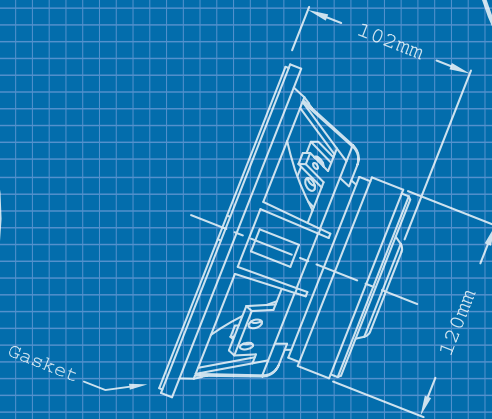
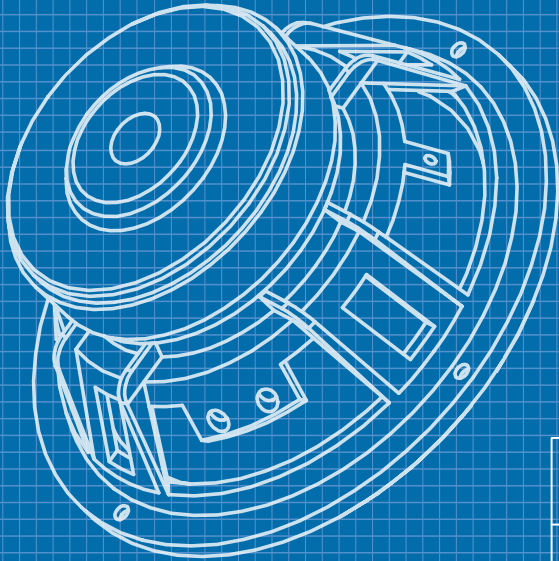
Low Visual Impact



All-weather install at Skilled Stadium, Geelong, Victoria, Australia

The secret behind exceptional results is attention to detail.

The Quest Engineering methodology revolves around finding and removing weak links in the audio chain. Each M series product boasts custom loudspeaker components and electronics, purpose designed for optimum sonic performance and reliability.



DOCUMENT CONTROL PER SPECIFICATION 4.5.201

| | | | | | |
|----------------------------|---|---|--------------------------------------|----------------------|-------------|
| THIRD ANGLE PROJECTION | UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE: INCHES [MILLIMETERS] TOLERANCES LINEAR ± 0.13 in / ± 3.3 mm ANGLES $\pm 1^\circ$ (X.XX) = REF DIMS NO-TOLERANCE IMPLIED TSC=THEORETICAL SHARP CORNER DIMENSIONS ACROSS CENTERLINES TO BE SYMMETRICAL | STATUS: _____ PRODUCT DN: _____ | | Quest Speaker Design | |
| | | APPROVALS DRAWN: DM DATE: 5/28/04 CHECKED: RS 6/17/04 DES ENG: NB 6/17/04 MFG ENG: SM 6/21/04 | TITLE: [MECHANICAL SPECIFICATION] | | A |
| | | | DRAWING NUMBER: 0011328 | | REVISION: B |



In today's "post modern" commercial venue, the sound system must be heard and not seen

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Quest MS Series

Multi-application loudspeakers

The objective for the designers of MS series Indoor/Outdoor line-up was to take the compact wall mount speaker to a new standard of value and performance. The result is refined appearance, high fidelity vocal and music reproduction and easy installation/service.

The MS Series all-weather loudspeakers are the ideal choice for supplying high fidelity sound for discreet indoor and outdoor applications. Their advanced polymer housing is designed to be acoustically inert and withstand harsh outdoor and maritime environments.

Mounting hardware and grills are aluminum to drastically reduce corrosion. The vented cabinet design and high-compliance woofers generate realistic bass response in open air applications and the high-efficiency soft dome tweeters yield extended high-frequency response.

Whether low impedance or 70/100 volt line installation, custom designed drivers and matching passive circuitry enables MS series indoor/outdoor loudspeakers to provide levels of vocal clarity and bass performance that substantially exceed their physical size.

MS 401

For its very compact size, the 401 is an amazing package. Vocal intelligibility and clean music reproduction. Power handling is a conservative 50 watts RMS with high efficiency, 100w peak handling.

With the addition of a Quest compact sub bass, the MS 401 is a great solution for a bar/restaurant music system capable of a surprisingly high output of a full bandwidth music program.

MS 601

The 601 is the ideal general purpose voice/music reproduction speaker with an ideal balance between bass and high frequency equalization. Its high output is impressive for its compact size and power handling is a conservative 75 watts RMS with high efficiency, 150w peak handling.



The objective for the designers of MS series Indoor/Outdoor line-up was to take the compact wall mount speaker to a new standard of value and performance. The result is refined appearance, high fidelity vocal and music reproduction and easy installation/service.

MS 801

With excellent bass response and a lift in the crossover for greater vocal intelligibility, the MS 801 is ideal for distributed sound reinforcement, paging and background music applications.

A 25mm polymer dome tweeter faithfully reproduces upper harmonics and is protected by a sophisticated crossover protection network. Power handling is a conservative 100 watts RMS with high efficiency, 200w peak handling.

Features

1. Finishing

Available in black or paint-able white finishes to match any décor inside or out.

2. High Intelligibility

Titanium Dome Tweeter which delivers exceptional intelligibility.

3. Bass Driver

High excursion bass driver delivers high efficiency and extraordinary bass response in a modest cabinet size.

4. Casing

Outdoor friendly UV stabilised plastic casing, sculpted front baffle and rounded enclosure minimize diffraction for more open and life-like imaging. Rustproof aluminium grille with 65% open area for superior sound quality.

5. Cross-over

Substantial phase adjusted cross-over network with ceramic HF Protection.

6. Hardware

All aluminium alloy hardware for years of rustproof reliability. Brackets allows multiple mounting options and full 90 degree rotation while retaining access to back panel for easy installation wiring.

7. Multi-tap Transformer

Combination 8 ohm/70/100 volt line capability with multiple power tappings.

Complete specifications on back page.



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Quest MW Series

The 2-way flush mount speaker audiophiles will love.

Not just audiophiles will love the Quest MW series, The MW will be a big hit with architects and installers as well. The MW Series In-Wall Speakers deliver high fidelity full bandwidth sound to all small to mid sized building spaces.

High vocal intelligibility is the hallmark of the MW series with no compromise in music reproduction. Models available include 165 mm (6.5 inch) and 200 mm (8 inch) woofer two way flush mount speakers.

The MW series is the no compromise solution, be it in a bar, home, commercial space, or as a distributed or delayed audio fill system supporting a large scale venue PA. For value and ease of installation, the Quest MW series has no equal.

Features

1. Casing

Casing material is flame retardant PE plastic with a removable aluminium front grill.

2.High Intelligibility

User aim-able titanium diaphragm tweeters ensure ample high frequency coverage. Optimized for vocal intelligibility without loss to full range music reproduction.

3. Easy Installation

Rotating cams for easy installation. Ultra compact profile for "tight" installation spaces. Cut out templates, paint mask

and comprehensive technical manual included for quick and easy installation.

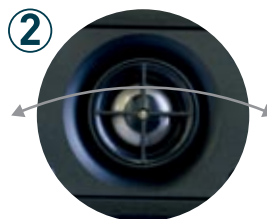
4. H.F. Boost/Attenuator

To individually tune each speaker to the surrounding space.

5. Cross-over

Sophisticated 18 dB slope crossover network designed to optimize the sonic performance plus HF cut and boost and HF protection.

Complete specifications on back page.



Quest MC Series

More Sound, Less Visual Footprint

Quest Engineering re-invents the ceiling speaker. With the MC Series, there are all the advantages of a full range multi way speaker installation packed into a discrete ceiling style format.

As with all commercial series Quest products, power handling, sonic quality and ease of installation are to be expected with the added bonus of a manually aim-able tweeter, HF cut/boost, HF protection and long wearing custom manufactured components.

Speedy installation

Installation is effected by rotating cams to secure the speaker designed for recess installation in false ceilings or vertical panels. Input is via metal press terminal speaker connectors in high temperature resistant mounting configuration for quick installation.

Features

1. Casing

Flame retardant PE plastic casing material with a removable aluminium front grill. Ultra compact profile for "tight" installation spaces. Cut out templates, paint mask and comprehensive technical manual included for quick and easy installation.

2. High Intelligibility

User aim-able titanium diaphragm tweeters ensure ample high frequency coverage. Optimized for vocal intelligibility without loss to full range music reproduction.

3. Easy Installation

Rotating cams for easy installation.

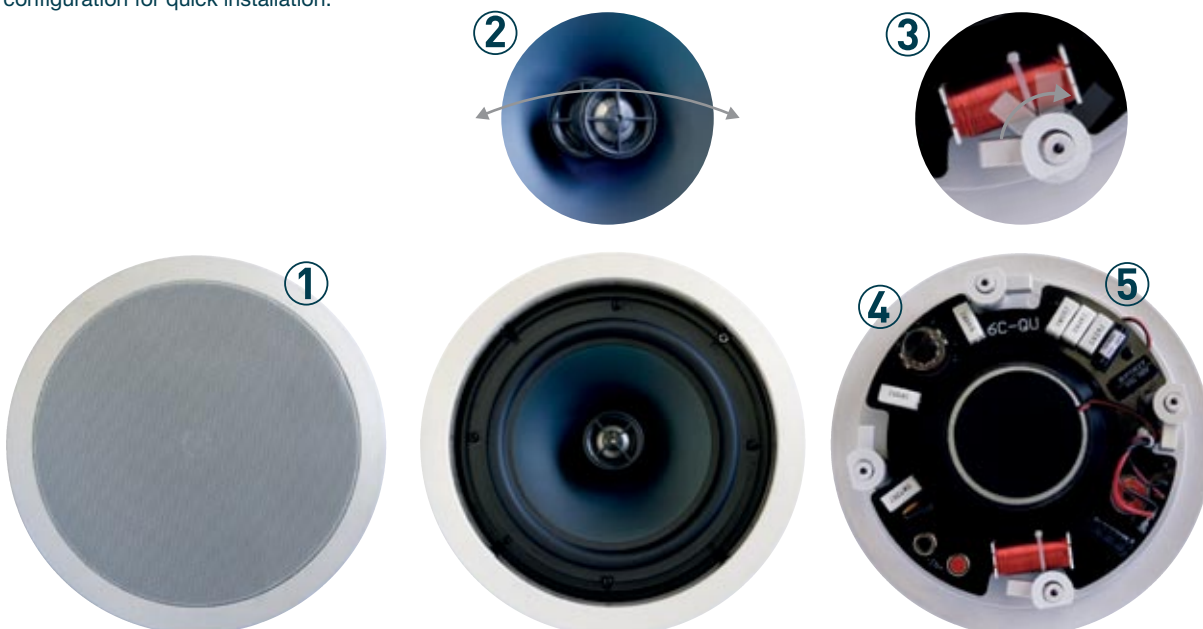
4. H.F. Boost/Attenuator

To individually tune each speaker to the surrounding space.

5. Cross-over

Sophisticated 18 dB slope crossover network designed to optimize the sonic performance plus HF cut and boost and HF protection.

Complete specifications on back page.



Complete Solution

For a complete installation solution, Quest also supplies great value Zone Mixer and amplifier packages ideally suited to the M-Series range of speakers.



Specifications & Characteristics

| Quest MS (Speaker Box) Specifications | MS 401 | MS 601 | MS 801 |
|---------------------------------------|---|---|---|
| Peak Power | 100 W | 160 W | 240W |
| Power Handling | 50 W | 80 W | 100W |
| Type | Bass Reflex | Bass Reflex | Bass Reflex |
| Impedance Nominal | 8 Ω | 8 Ω | 8 Ω |
| Transformer Tappings | 25 W / 20 W / 15 W / 10 W + 8Ω Direct | 40 W / 30 W / 20 W / 10 W + 8Ω Direct | 60W / 40W / 35W / 20W + 8Ω Direct |
| Components LF | 4" Poly Propylene Cone, Rubber Surround, 25 mm Voice Coil | 6.5" Poly Propylene Cone, Rubber Surround, 35 mm Voice Coil | 8" Mica and PP Cone, Rubber Surround, 35mm Voice Coil |
| Components HF | Dome Tweeter, PEI Diaphragm, 20 mm Voice coil | Dome Tweeter, Silk Membrane, 25 mm Voice Coil | Dome Tweeter, Silk Membrane, 25mm Voice Coil |
| Angle of Coverage | 90° x 90° | 90° x 90° | 90° x 90° |
| Sensitivity 1W @1 meter | 88 dB | 93 dB | 95dB |
| Max SPL | 108 dB | 110 dB | 114dB |
| Frequency Response | 80 Hz - 20 Khz ± 4 dB | 60 Hz - 20 Khz ± 3 dB | 55Hz-20Khz ±4 dB |
| Crossover Frequency | 3000 Hz | 3000 Hz | 3000Hz |
| Crossover | 12 dB | 12 dB | 12dB |
| Enclosure Material | UV Stabilised ABS | UV Stabilised ABS | UV Stabilised ABS |
| Brackets Material | Aluminium | Aluminium | Aluminium |
| Grille Material | Aluminium | Aluminium | Aluminium |
| Dimensions WxHxD | 153 mm x 278 mm x 180.5mm | 195 mm x 335 mm x 214 mm | 259 mm x 445 mm x 290 mm |
| Net Weight | 2.6 kg | 4.35 kg | 5.75kg |
| Shipping Dimensions WxHxD | 203 mm x 319 mm x 226 mm | 247 mm x 377 mm x 287 mm | 320 mm x 497 mm x 360 mm |
| Shipping Weight | 3.3 kg | 5.5 kg | 7 kg |

| Quest MW (Wall) Specifications | MW 650 | MW 800 |
|--------------------------------|-----------------------------|---------------------------|
| Nominal Power | 60 W | 80 W |
| Max Power | 120 W | 160 W |
| Mounting Diameter WxHxD | 185 mm x 271.5 mm x 80 mm | 220 mm x 323 mm x 88 mm |
| Woofer Size | 6.5" (165 mm) | 8" (205 mm) |
| Net Weight | 1.85 Kg | 2.65 Kg |
| Impedance | 8 Ω | 8 Ω |
| Frequency Response | 80 Hz - 19 KHz | 60 Hz - 19 KHz |
| Sensitivity | 89 dB | 91 dB |
| Dimensions WxHxD | 209.5 mm x 307 mm x 91.5 mm | 255 mm x 358 mm x 99.5 mm |

| Quest MC (Ceiling) Specifications | MC 650 | MC 800 |
|-----------------------------------|---------------------------|-------------------------|
| Nominal Power | 60 W | 80 W |
| Max Power | 120 W | 160 W |
| Woofer Configuration | 6.5" + Dome Tweeter | 8" + Dome Tweeter |
| Mounting Diameter WxHxD | 185 mm x 271.5 mm x 80 mm | 220 mm x 323 mm x 88 mm |
| Net Weight | 1.85 Kg | 2.65 Kg |
| Impedance | 8 Ω | 8 Ω |
| Frequency Response | 80 Hz - 19 KHz | 60 Hz - 19 KHz |
| Sensitivity | 89 dB | 91 dB |
| Dimensions WxD | 165 mm x 92.3 mm | 270 mm x 100 mm |
| Weight | 1.3 kg | 2.06 kg |

Another quality Quest Engineering product.
www.questaudio.net