

|portablesound



 **Turbosound**<sup>®</sup>  
PROEL GROUP COMPANY

# Milan MI5

## Digitally Powered Live Sound

For almost three decades, Turbosound has enabled the passion, energy and emotion in live music to be enjoyed by vast numbers of people around the world. Now get yourself some of that in-your-face Turbosound attitude in a great sounding portable, durable and stylishly attractive go-anywhere powered loudspeaker that will raise your live sound to a new level:



**Introducing the Milan MI5**



# Milan MI5

live club venues ○ pub gigs ○ drum fills ○ small club installs ○ speech and vocals ○ acoustic guitar ○ stage monitors ○ theatre ○ house of worship  
corporate events ○ microphones ○ campaign events ○ mobile dj ○ music playback ○ PA dry hire ○ keyboards ○ fashion shows ○ A/V presentations



# Milan MI5

## Why Milan stands out from the crowd

- **integrated 450 watt Class D digital amplifier**
  - > the most output from a lightweight package
- **internal DSP with frequency-dependent limiting**
  - > delivers max audio quality and protects drive units
- **integrated 2-channel mixer with mic and line inputs**
  - > to balance all your instruments and music sources
- **mix out function allows daisy-chaining of Milan speakers**
  - > versatility to easily expand your sound system
- **converging elliptical waveguide**
  - > for smoother audience coverage and less distortion
- **trapezoidal shape with symmetrical wedge angle**
  - > 43° angle optimised for stability and coverage

# Milan MI5

Internal M10 inserts to allow for cost effective installation

43° proven wedge angle taken from Turbosound 'Rock and Roll' TFM series

Lightweight super-strength aluminium carrying handles

Converging Elliptical Waveguide fitted with 1" compression driver

15" neodymium LF driver, improved performance and minimal weight

Sleek professional grille and serious roadworthy protection

Class D amplifier with internal factory DSP for legendary Turbosound voicing and loudspeaker protection - set to sound great right out of the box

Polypropylene with Gas Assist and heavy support structure - rigid cabinet for improved bass

Dual angle pole holder optimises HF coverage

EPDM foot helps to preserve Milan from day-to-day scratches

# Milan MI5

## The Converging Elliptical Waveguide

- helps to distribute sound evenly over a large listening area
- does not have the distortion common to conventional horns
- shallow format allows both drivers to be physically aligned
- delivers better sound to a wider audience



# Milan MI5



lightweight compact cabinet ○ digitally self-powered ○ symmetrical trapezoidal shape ○ multiple integral M10 rigging points ○ dual angle pole holder ○ passive crossover ○ frequency dependent limiting ○ 48kHz DSP ○ built-in 2-channel mixer ○ mic and line inputs ○ optimised 43° wedge angle ○ lockable jack/XLRs ○ gas-injected rigidised polypropylene enclosure ○ switchable low frequency contour ○ 90° x 60° converging elliptical waveguide ○ mix out function ○ 2-band EQ ○ custom neodymium 15" LF driver ○ recessed flush handles ○ current overload thermal limiter ○ powder coated galvanised steel grille ○ IEC mains connector ○ 1" HF compression driver ○ electronically balanced inputs and outputs ○ auto-sensing power supply ○ 450 watt Class D amplifier EPDM end-protecting mouldings ○ legendary Turbosound voicing

# Milan MI5



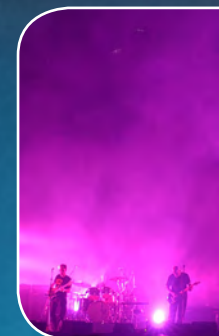
## On the road again

The Milan MI5 is really easy to transport and set up at gigs. Weighing just 22kgs, its lightweight and extensively rigidised gas-injected polypropylene cabinet fits easily in an average-sized car. The three comfortable, ergonomically placed handles allow it to be lifted onto speakers stands by just one person. And it's seriously gig-proofed with its full-sized galvanised steel grille protecting the speaker components from a brutal life on the road.



## Rocking all over the world

Milan is perfect for a huge variety of sound reinforcement challenges that need high quality speech or music, limited only by your imagination: from live music venues and pub gigs, mobile DJ and corporate events to small club installs, stage monitoring, A/V presentations, and everything in between. Milan can go anywhere you can go, with its auto-sensing power supply automatically adjusting to mains supplies from 100 volts to 240 volts virtually anywhere in the world.





# Milan MI5

Rock out, don't rock over



Very few loudspeaker companies can claim more detailed sharp-end expertise of professional wedge monitors than Turbosound. We've created exactly the right wedge angle for Milan - so strap on that LP, get a boot up on the wedge and strike a pose.

**Not only will you hear yourself loud and clear, you won't tip it over.**

# Milan MI5

## Premium grade components

The best audio quality can only come from high performance loudspeaker components. The Milan 15" high power bass driver has been specially developed with a lightweight neodymium magnet to keep overall weight low, while the professional quality 1" HF driver feeds a Converging Elliptical Waveguide which ensures smooth and even coverage over a wide area. These two high grade components are precisely matched with a low-loss passive crossover that ensures perfect distribution of frequencies.

## Size Really Does Matter

In order to generate the spine-tingling sensation of serious bass energy that your music needs, there's only one way to get it: a sizeable low frequency diaphragm (read 15" cone driver) working in an optimally large (read 60 litre enclosure) volume of air. That's why Milan's extensively rigidised polypropylene cabinet gives you deeper and tighter bass response than any other powered speaker in its class.



# Milan MI5

## The essential mix

Milan features a fully functioned 2-channel mixer so you can easily balance all your audio sources for the perfect mix every time. The lockable combo jack/XLRs inputs will accept microphones, instruments and mp3 players, so you won't even need a separate mixer for most gigs.

Each channel provides a generous range of bass and treble EQ, and there's an innovative Mix Out function that allows you to daisy-chain the output to additional Milan loudspeakers to further extend your system.

## Power on tap

The MI5 delivers a whopping 450 program watts of effortless super-clean power from its built-in Class D digital power amplifier. But all this power does not come without some measure of responsibility: in order to prevent those show-stopping blow-outs, the sophisticated frequency-dependent limiters work transparently to make sure that Milan operates well within its safe limits.

## In the digital domain

Digital electronics opens up a whole world of possibilities: as well as better electrical power conversion into acoustic watts (the Class D amp is more than 90% efficient so there's no need for bulky heatsinks), it also allows us to precisely shape the frequency response according to the speaker's loudness, optimising the sound quality and enhancing long term reliability. And all this performance is delivered straight out of the box from an amplifier module weighing less than 2kg.



# Milan MI5

## Point and shoot

We've made it easy to optimise your Milan speaker's audience coverage with a clever dual-angle pole holder that lets you raise the cabinet higher and fire it slightly downwards towards your audience for better intelligibility. Flying the cabinet in a fixed install is a breeze too – the threaded rigging points on both top and bottom allow horizontal or vertical suspension and precise tilting, or you can lock the pole mount on to a universal wall bracket for a permanent install.

**Accurate positioning with Milan means better sound for everyone.**



Turbosound



# Milan MI5

Milan comes with a large slice of rock and roll history

