



# ATEO6M

## In & outdoor surface mount loudspeaker with CleverMount+™

### Highlights:

- Ultra-flat frequency response
- Weatherproof - IP66 rating
- Hydrophobic cloth behind aluminum grill
- Unmatched sonic brilliance
- 720 Hours salt spray test
- Marine grade build quality & UV resistant
- Save up to 50% installation time thanks to CleverMount™+
- External power tap selection
- Screwless WAGO connections for quick & safe connection with linktrough up to 4mm²
- No wires or bracket visible from the back
- Extremely firm fixation from front, allowing swift and accurate inclination
- Optional mounts for inclination angle or light track mounting

### Product information:

The ATEOxM series are extraordinary loudspeakers especially designed for fixed installation in- & outdoor applications, ranging from modern residential applications to the most demanding designer applications in environments such as retail stores, pubs, restaurants or even clubs.

The ATEO6M is the 6" version, with a 1" dome tweeter and a 6" Mid / Low frequency driver, ensuring a true-to-nature, high-fidelity reproduction of music and speech, whilst maintaining an ultra-flat frequency response. It features a stunningly designed and elegant-looking weatherproof ABS housing which is fitted with high-quality components. What makes this loudspeaker range so exceptional is the specially designed mounting system using the weatherproof CleverMount+™ technology, making the loudspeaker cabinet flow together with the mounting system providing great ease for installing the loudspeaker in one good-looking entity. This design loudspeaker forms the ideal solution for fixed-install in- & outdoor applications.

With the improved CleverMount+™ innovation, mounting and connection of the loudspeaker happens in seconds after attaching the wall mount to the desired location. During installation, the wires can easily be connected to the integrated WAGO connectors. For ease of installation & modification, the ATEOxM loudspeakers come with an external power tap selection switch located on the rear of the speaker. Like this, it's really child's play to install a large number of loudspeakers in no time.

All ATEOxM series speakers are available in black (/B) or white (/W).



### Certification:



### Properties:



Applications:

- Bars & Restaurants
- Retail
- Education
- Hotels
- Corporate
- Residential
- Clubs

Impedance:

Ω 8 Ohm Ω 16 Ohm

Voltage:

⚡ 70-100 Volt

System specifications:

|                            |                   |                                        |
|----------------------------|-------------------|----------------------------------------|
| Speaker type               |                   | Full range                             |
| Peak power handling        |                   | 240 W                                  |
| Program power handling     |                   | 120 W                                  |
| Continuous power (AES)     |                   | 60 W                                   |
| Impedance                  |                   | 8 Ω (ATEO6M)                           |
|                            |                   | 16 Ω (ATEO6DM)                         |
| Incline angle              | Left              | 30°                                    |
|                            | Right             | 30°                                    |
|                            | Bottom            | 30°                                    |
|                            | Top               | 5°                                     |
| Sensitivity (1W/1m)        |                   | 89 dB                                  |
| Sound Pressure (Max. W/1m) | @ 8 Ω             | 106 dB                                 |
|                            | @ 100 V           | 105 dB                                 |
| Frequency                  | Response (± 3 dB) | 65 Hz - 20 kHz                         |
|                            | Range (-10 dB)    | 55 Hz - 20 kHz                         |
| Dispersion                 | Horizontal        | 120°                                   |
|                            | Vertical          | 120°                                   |
| Connectors                 |                   | 2 x WAGO terminal block connections    |
| Drivers                    |                   | 1" Dome tweeter                        |
|                            |                   | 6" MF / LF Woofer                      |
| Line Transformer Tappings  | 1                 | 100 Ω - 100 V / Not used - 70 V / 50 W |
|                            | 2                 | 200 Ω - 100 V / 50 W - 70 V / 25 W     |
|                            | 3                 | 400 Ω - 100 V / 25 W - 70 V / 12.5 W   |
|                            | 4                 | 800 Ω - 100 V / 12.5 W - 70 V / 6.25 W |
| Ingress Protection rating  |                   | IP66                                   |

Product Features:

|                       |          |                                        |
|-----------------------|----------|----------------------------------------|
| Dimensions            |          | 193.1 x 347.5 x 215.2 mm (W x H x D)   |
| Weight                |          | 3.820 kg                               |
| Operating temperature |          | -20 °C ~ 60 °C                         |
| Accessories           | Included | Allen-key wrench                       |
| Mounting              |          | Weatherproof CleverMount+™             |
| Construction          |          | ABS                                    |
| Front finish          |          | Aluminium grill with hydrophobic cloth |
| Colours               |          | Black (RAL9005) (ATEO6M/B, ATEO6DM/B)  |
|                       |          | White (RAL9003) (ATEO6M/W, ATEO6DM/W)  |

Variants:

- ATEO6M/B - Black version - 8Ω and 100V
- ATEO6M/W - White version - 8Ω and 100V
- ATEO6DM/B - Black version - 16Ω
- ATEO6DM/W - White version - 16Ω

Shipping & Ordering:

|                          |                              |
|--------------------------|------------------------------|
| Packaging                | Cardboard box (pair)         |
| Shipping weight & volume | 8.200 kg - 0.038 Cbm (2 pcs) |

Architects' and Engineers' Specifications:

The loudspeaker shall be a 2-way system, consisting of a 6" woofer and 1" dome tweeter which are housed in a curved ABS housing with an aluminium grill with hydrophobic cloth. The ABS housing shall provide salt spray and UV resistance. The speaker shall have an IP66 rating. The connection and installation of the loudspeaker shall be performed using a Weatherproof Clevermount+™ mounting system. The mounting system shall allow invisible wiring and the wire connection shall be done by WAGO connectors which allows up to 4.0 mm2 cable section. The mounting system shall have an optional cover made of weatherproof synthetic rubber for seasonal weather protection which is also an ideal paint cover for Clevermount+™ mounting system. The direction of the speaker shall be continuously adjustable in all four directions by untightening the Allen key bolt located in the centre of the speaker grill. The loudspeaker shall have an optional extension mount with an inclination angle. The improved Clevermount+™ mounting system shall enable mounting and connection of the loudspeaker in seconds after installing the wall mount to the desired location. It shall have an RMS power handling of 60 Watt with a program power handling of 120 Watt and the frequency response (±3 dB) shall range from 65 Hz to 20 kHz. The sensitivity shall be 89 dB when measuring with an input signal of 1 Watt at a distance of 1 meter, while the maximum continuous sound pressure level shall be 106 dB. The loudspeaker shall have an impedance of 8 Ohm and contain a passive built-in crossover network. For the Hi-Z constant voltage speaker systems, a 70/100 Volt built-in line transformer with power taps for 50 Watt, 25 Watt, 12.5 Watt and 6.25 Watt shall be provided. The corresponding power taps shall be selectable with a rotary switch on the loudspeaker. The system's enclosure shall be 347,5 mm high, 193,1 mm wide and 215,2 mm deep and the weight shall not exceed 3.82 Kg.

The loudspeaker shall have a model with an impedance of 16 Ohm and contain a passive built-in crossover network. This model shall have the same acoustical characteristics as the 8 Ohm model and work only in Lo-Z configuration. The system's enclosure shall be 347,5 mm high, 193,1 mm wide and 215,2 mm deep and the weight shall not exceed 3.47 Kg.

