

### Highlights:

- WeatherTreated - Marine grade plywood and Dura-Polyurea coating
- Wide & consistent coverage thanks to custom horn
- Premium design touches: Finer perforation grill & elegant curved design
- Rotatable logo
- Flexible mounting for aesthetic versatility
- DuraCoat™ texture paintwork
- Built from scratch with custom drivers for premium sound quality
- Compact yet powerful, reducing the need for multiple units in a space
- Optional 70/100V line transformer available

### Product information:

The VEXO206/OB is a high-output 2.5-way outdoor-rated loudspeaker, delivering the powerful and detailed signature sound of the VEXO family through dual 6.5-inch drivers in a compact cabinet.

Its combination of elegant design and high performance makes it ideal for outdoor installation applications requiring both a modern look and a premium audio experience, from nightclubs to sports facilities. Compression driver overload protection is provided through an internal limiting circuit. The loudspeaker can be mounted both horizontally and vertically using the included wall bracket, while an optional 70/100V transformer module enables use in Hi-Z systems.

Designed for covered outdoor environments, the VEXO206/OB features an IP55-rated construction with enhanced weather resistance, including an extra-thick polyurea coating and outdoor-proof treated components such as the grille and mounting bracket.

The advanced front grille design combines a specially treated grille with powder coating, acoustical foam, and a hydrophobic mesh backing, protecting internal components without compromising audio transparency. The VEXO206/OB loudspeaker is available in Black (/B).



### Certification:

 IP55

### Properties:

 Rotatable  Weatherproof

### Impedance:

 8 Ohm

Usage:



Indoor



Outdoor

System specifications:

|                           |                                     |                                                             |
|---------------------------|-------------------------------------|-------------------------------------------------------------|
| Speaker type              |                                     | 2.5-way                                                     |
| Peak power handling       |                                     | 1000 W                                                      |
| Program power handling    |                                     | 500 W                                                       |
| Continuous power (AES)    |                                     | 250 W                                                       |
| Sensitivity (1W/1m)       |                                     | 95 dB                                                       |
| Max SPL (Continuous/AES)  |                                     | 119 dB                                                      |
| Frequency                 | Response ( $\pm 3$ dB)              | 69 Hz - 20 kHz                                              |
|                           | Range (-10 dB)                      | 60 Hz - 20 kHz                                              |
| Drivers                   | HF                                  | Compression driver with 1" VC and 0.5" throat" throat       |
|                           | LF                                  | 2 x 6.5" with 1.5" voice coil                               |
| Impedance                 |                                     | 8 $\Omega$                                                  |
| Connectors                |                                     | 4-pin terminal block connector with waterproof cable glands |
| Coverage                  | Avg 1 kHz – 4 kHz   -6 dB   1/3 Oct | Horizontal 117°                                             |
|                           |                                     | Vertical 114°                                               |
|                           | Rotatable Horn                      | No                                                          |
| Ingress Protection rating |                                     | IP55                                                        |

Product Features:

|                     |                  |                                                                        |
|---------------------|------------------|------------------------------------------------------------------------|
| Dimensions          |                  | 560 x 211 x 220 mm (W x H x D)                                         |
| Weight              |                  | 14 kg                                                                  |
| Construction        |                  | 15 mm Multiply plywood                                                 |
| Finish              | Cabinet finish   | Extra-thick Multi-Layer polyurea coating (6-layer)                     |
|                     | Front finish     | WeatherTreated grill with acoustical foam and hydrophobic mesh backing |
| Mounting            | Mounting pattern | 108 x 50.8 x M8 mount                                                  |
| Powerdrive mount    |                  | Powerdrive type 75 (108 x 50.8 mm)                                     |
| Mounting & handling | Rigging points   | 2 x M8 (bracket)                                                       |
| Accessories         | Included         | Mounting bracket                                                       |
|                     |                  | Drop safety wire                                                       |
|                     | Optional         | 70V/100V transformer module                                            |

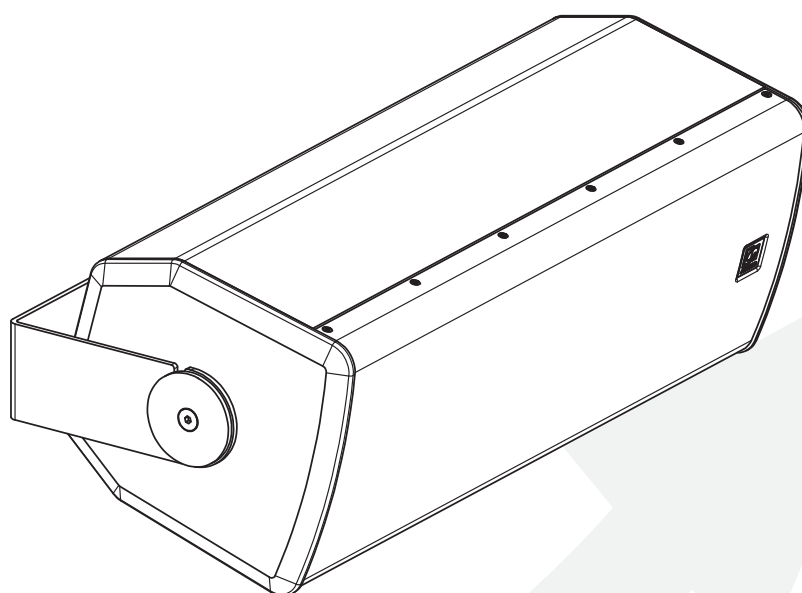
Variants:

- VEXO206/OB - Outdoor black version



## User manual

# VEXO206/OB



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**ADDITIONAL INFORMATION**

This manual is put together with much care, and is as complete as could be on the publication date. However, updates on the specifications, functionality or software may have occurred since publication. To obtain the latest version of both manual and software, please visit the Audac website @ [www.audac.eu](http://www.audac.eu).



## High performance outdoor loudspeaker

The VEXO206/OB is a high-output 2.5-way outdoor-rated loudspeaker, delivering the powerful and detailed signature sound of the VEXO family through dual 6.5-inch drivers in a compact cabinet.

Its combination of elegant design and high performance makes it ideal for outdoor installation applications requiring both a modern look and a premium audio experience, from nightclubs to sports facilities. Compression driver overload protection is provided through an internal limiting circuit. The loudspeaker can be mounted both horizontally and vertically using the included wall bracket, while an optional 70/100V transformer module enables use in Hi-Z systems.

Designed for outdoor environments, the VEXO206/OB features an IP55-rated construction with enhanced weather resistance, including an extra thick polyurea coating and outdoor proof treated components such as the grille and mounting bracket. The advanced front grille design combines a specially treated grille with powder coating, acoustical foam, and a hydrophobic mesh backing, protecting internal components without compromising audio transparency.

The VEXO206/OB loudspeaker is available in Black (/B).

# Precautions



## READ FOLLOWING INSTRUCTIONS FOR YOUR OWN SAFETY

ALWAYS KEEP THESE INSTRUCTIONS. NEVER THROW THEM AWAY

ALWAYS HANDLE THIS UNIT WITH CARE

HEED ALL WARNINGS

FOLLOW ALL INSTRUCTIONS

THIS UNIT HAS VERSIONS DEVELOPED FOR INDOOR USE AND OUTDOOR USE. CHECK THE VERSION YOU HAVE BEFORE DEPLOYMENT

THE OUTDOOR VERSION HAS BEEN DESIGNED FOR THE WEATHER CONDITIONS ENCOUNTERED IN PROTECTED OUTDOOR ENVIRONMENTS.

NEVER EXPOSE THIS EQUIPMENT DIRECTLY TO RAIN, MOISTURE, ANY DRIPPING OR SPLASHING LIQUID. AND NEVER PLACE AN OBJECT FILLED WITH LIQUID ON TOP OF THIS DEVICE.

NO NAKED FLAME SOURCES, SUCH AS LIGHTED CANDLES, SHOULD BE PLACED ON THE APPARATUS

DO NOT INSTALL THIS UNIT NEAR ANY HEAT SOURCES SUCH AS RADIATORS OR OTHER APPARATUS THAT PRODUCE HEAT

DO NOT PLACE THIS UNIT IN ENVIRONMENTS WHICH CONTAIN HIGH LEVELS OF DUST, HEAT, MOISTURE OR VIBRATION

ONLY USE ATTACHMENTS & ACCESSORIES SPECIFIED BY THE MANUFACTURER

CAREFULLY CHECK THE UNIT'S CONDITION AFTER UNPACKING. IF THERE IS ANY DAMAGE TO THE CARTON BOX OR THE UNIT ITSELF, INFORM YOUR VENDOR IMMEDIATELY.

USE CABLES OF THE RIGHT GAUGE TO CONNECT THE LOUDSPEAKER

USE CABLES WITH CLEAR COLOUR CODING INDICATING THE POLARITY AND MAINTAIN THE SAME POLARITY THROUGHOUT THE WHOLE SYSTEM.

ONLY USE THE CORRECT AMPLIFIER OUTPUT VOLTAGE AND IMPEDANCE. EXCEEDING THESE LIMITS COULD CAUSE FIRE OR OTHER FAILURES.

AVOID EXPLOSIONS: DO NOT USE THE SPEAKER AROUND GASOLINE, THINNER OR OTHER COMBUSTIBLES

AVOID ELECTRIC SHOCKS: SWITCH OFF THE AMPLIFIER WHEN CONNECTING THE LOUDSPEAKER

DO NOT USE THE LOUDSPEAKER FOR AN EXTENDED PERIOD OF TIME AT DISTORTED SOUND. THIS COULD CAUSE PERMANENT DAMAGE.



#### CAUTION - SERVICING

This product contains no user serviceable parts. Refer all servicing to qualified service personnel. Do not perform any servicing (unless you are qualified to)



#### EC DECLARATION OF CONFORMITY

This product conforms to all the essential requirements and further relevant specifications described in following directives: 2014/30/EU (EMC2) & 2014/35/EU (LVD).

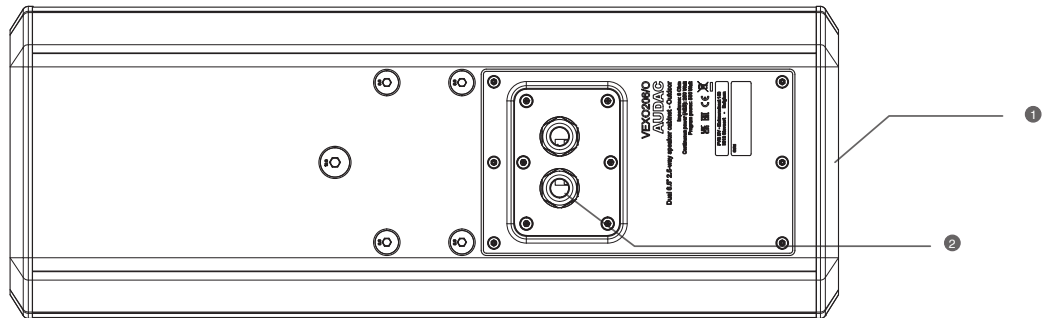


#### WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE)

The WEEE marking indicates that this product should not be disposed with regular household waste at the end of its life cycle. This regulation is created to prevent any possible harm to the environment or human health.

This product is developed and manufactured with high quality materials and components which can be recycled and/or reused. Please dispose this product at your local collection point or recycling centre for electrical and electronic waste. This will make sure that it will be recycled in an environmentally friendly manner, and will help to protect the environment in which we all live.

## Overview and connecting VEXO206/OB

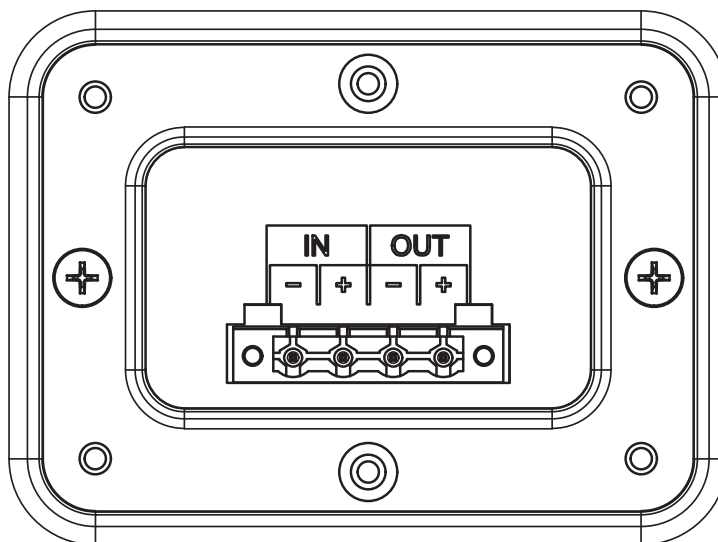


### 1) Rigging points

The VEXO206/OB is equipped with two M8 rigging points on the sides for the included U bracket. At the back of the unit, you will find a M8 mounting pattern. This universal pattern serves as a mounting point for various mounting arrangements.

### 2) Terminal block connector with link-through

The wires coming from the amplifier should be inserted through the waterproof cable gland and connected to the terminal blocks located on the back of the VEXO206/OB. The VEXO206/OB is equipped with a link-through terminal, allowing multiple loudspeakers to be connected. This simplifies wiring in larger setups by distributing the input signal efficiently across multiple loudspeakers, ensuring consistent coverage.

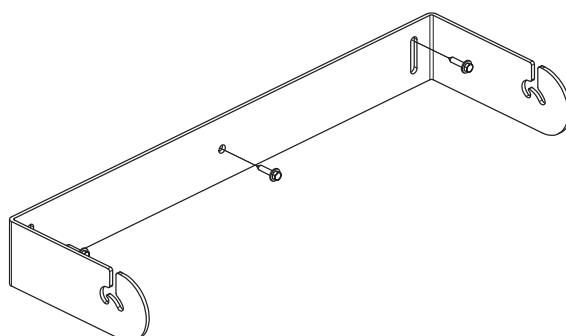


## Installing VEXO206/OB

The VEXO206/OB comes with a U bracket for horizontal and vertical installation.

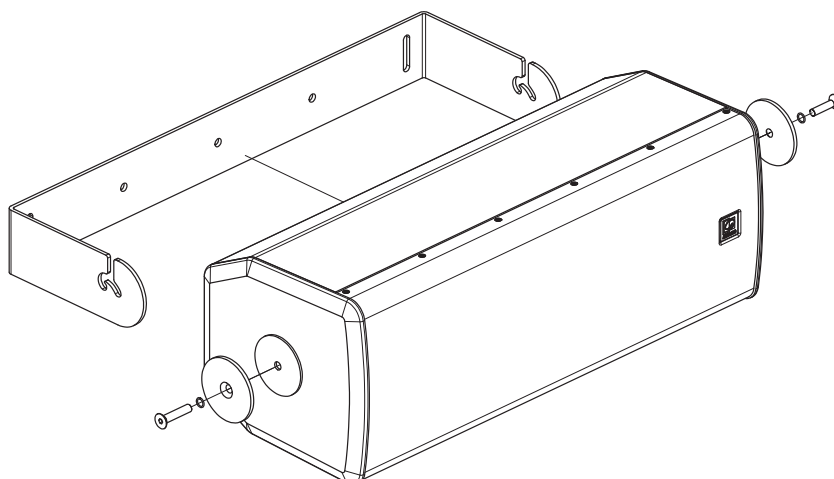
### 1) Install the U bracket

The VEXO206/OB is equipped with two M8 rigging points on the sides for the included U bracket. The first step is mounting the supplied U bracket to the desired location on the wall. The wall mount has to be fixed by three screws. The used fasteners should be chosen depending to the mounting surface (brick, concrete, wood, ... )



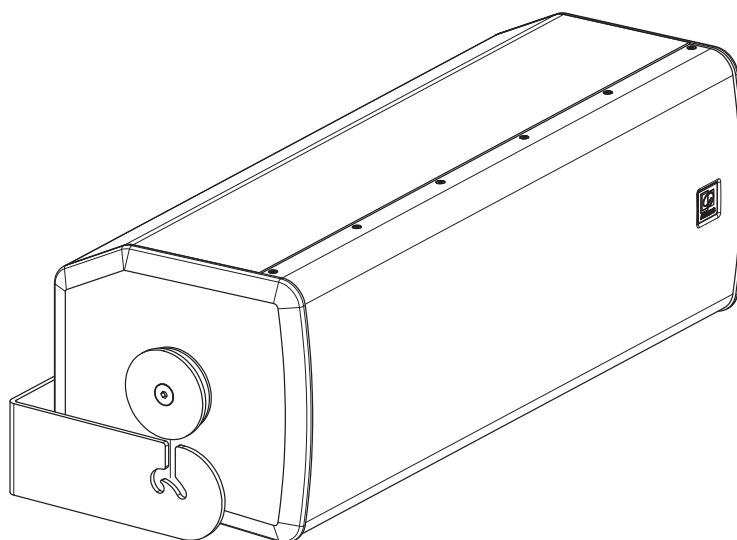
### 2) Install M8 rigging screws

Insert the M8 bolts through O-ring gasket, rubber and metal washers and into the center threaded holes (top and bottom). The U-bracket will be placed between those rubber washers and speaker should be placed to the desired slots.



### 3) Placing the VEXO206/OB into the U bracket

Thanks to the dual slotted design, the VEXO206/OB can be mounted two different positions. The rear slot provides an installation closer to the mounted surface that gives clear and neat impression. Carefully place the VEXO206 into the desired slot of the U-bracket. Once the desired aiming angle is set, the M8 fixing screws aligned with the slides can be tightened.



### 4) Outdoor deployment

The VEXO206/OB is rated IP55 and is designed for protected outdoor environments. The VEXO206/OB is not designed for direct exposure of outdoor environments, water or moisture. Direct exposure may compromise the integrity of the unit.

### 5) Connection

The VEXO206/OB is equipped with cover with water proof cable glands and terminal block connector with link-through for easy and secure wiring. This allows for straightforward daisy-chaining of multiple VEXO206/OB, ensuring a seamless setup.

The input signal should be processed using an external crossover, a DSP-controlled amplifier. WaveDynamics preset are available in the latest version of AUDAC Touch to achieve optimal performance.

Mind the polarity markings when wiring the loudspeaker cables.

# Technical specifications



| VEXO206/OB                |                                                                                                 |
|---------------------------|-------------------------------------------------------------------------------------------------|
| Peak Power handling       | 1000 Watt                                                                                       |
| Program Power handling    | 500 Watt                                                                                        |
| Continuous power (AES)    | 250 Watt                                                                                        |
| Nominal impedance         | 8 Ohm                                                                                           |
| Sensitivity 1W/1m         | 95 dB                                                                                           |
| Max SPL (Continuous)      | 119 dB                                                                                          |
| Frequency response - 3dB  | 69Hz - 20 kHz                                                                                   |
| Drivers                   | Compression driver with 1" voice coil and 0.5" throat                                           |
|                           | 2 x 6.5" with 1.5" voice coil                                                                   |
| Coverage                  | 117° x 114° (Avg 1 kHz – 4 kHz   -6dB   1/3 oct)                                                |
| Connectors                | 4-pin terminal block connector with waterproof cable glands                                     |
| Ingress Protection rating | IP55                                                                                            |
| Construction              | 15 mm Multiply Plywood with extra thick Polyurea coating                                        |
| Front finish              | Powder coated steel grill with acoustical foam and hydrophobic mesh backing                     |
| Rigging points            | 2 x M8 (bracket)                                                                                |
| Stand fitting             | None                                                                                            |
| Handle                    | None                                                                                            |
| Mounting pattern          | At the back of the device (108 x 50.8 mm)                                                       |
| Colour                    | Black (RAL9004)                                                                                 |
| Dimensions (w x h x d)    | 560 x 211 x 220 mm                                                                              |
| Weight                    | 13.07 Kg                                                                                        |
| Included accessories      | U bracket                                                                                       |
|                           | Drop safety wire                                                                                |
| Optional accessories      | 70/100V transformer module<br>(TRM012 - 120W & 60W power taps, TRM024 - 240W & 120W power taps) |

# Notes



Notes section containing 25 horizontal lines for writing.

## Notes





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