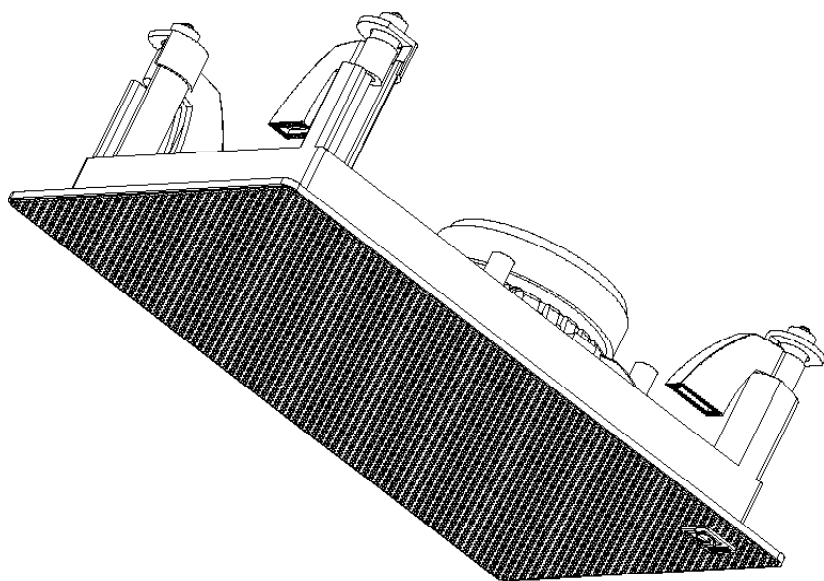


MEROxi



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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 @ audac.eu.



High-end in-wall speaker

The MERO speakers will blend beautifully into any interior, making only their extraordinary sound draw your attention with their nearly invisible design. Their slim grill with a very thin border of only 1mm and limited grill depth extrudes the surface by only 3.2 mm when installed.

Their grilles are retained by neodymium magnets which enable assembly in seconds, while powerful enough to keep it fixed, even when subject to vibrations or if touched. Their applications range from residential Hi-Fi and home cinema installations to Multi-Zone systems, and unobtrusive installations in lounges, bars, boutiques and offices.

The selection of high-grade materials in combination with accurate acoustics craftsmanship makes the MERO speakers superior in their class.

An acoustically optimized waveguide matches the dispersion of the woofer and tweeter, while a phase plug reduces diffraction and enhances off-axis high-frequency response. All these details share their part to its pure sound.

An elegant look with minimal visual impact is created by the slim grill with a very thin border, while great ease and installer convenience are guaranteed using the quick-fix mechanism with Gold-CON connectivities. Installation can be done both vertically and horizontally, while the rotatable tweeter allows optimal orientation positioning.

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

NEVER EXPOSE THIS EQUIPMENT 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 PLACE THIS UNIT IN AN ENCLOSED ENVIRONMENT SUCH AS A BOOKSHELF OR CLOSET. ENSURE THERE IS ADEQUATE VENTILATION TO COOL THE UNIT. DO NOT BLOCK THE VENTILATION OPENINGS.

DO NOT STICK ANY OBJECTS THROUGH THE VENTILATION OPENINGS.

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

THIS UNIT IS DEVELOPED FOR INDOOR USE ONLY. DO NOT USE IT OUTDOORS

PLACE THE UNIT ON A STABLE BASE OR MOUNT IT IN A STABLE RACK

ONLY USE ATTACHMENTS & ACCESSORIES SPECIFIED BY THE MANUFACTURER

UNPLUG THIS APPARATUS DURING LIGHTNING STORMS OR WHEN UNUSED FOR LONG PERIODS OF TIME

ONLY CONNECT THIS UNIT TO A MAINS SOCKET OUTLET WITH PROTECTIVE EARTHING CONNECTION

THE MAINS PLUG OR APPLIANCE COUPLER IS USED AS THE DISCONNECT DEVICE, SO THE DISCONNECT DEVICE SHALL BE READILY OPERABLE

USE THE APPARATUS ONLY IN MODERATE CLIMATES

CAUTION

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 (EMC) & 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.

Installing the MEROxl

Introduction

The MERO speakers feature a quick-fixing mechanism, which allows quick and easy installation of the loudspeakers in only a few minutes.

The installation of the MERO speakers requires a minimum amount of installation skills. Before the loudspeaker is installed, the location where it will be mounted should be carefully checked to make sure the surface can support the weight of the speaker and no lines for water, gas, electricity or other supplies are crossing this point.

Installation procedure

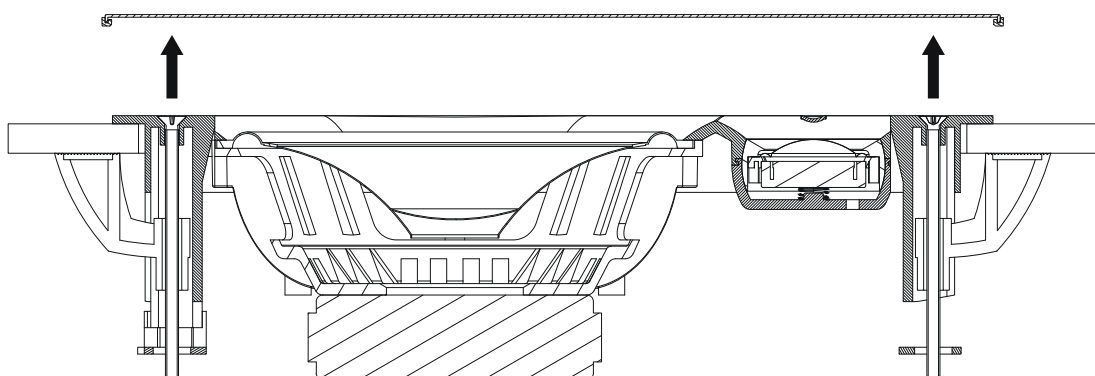
To ensure a safe and secure mounting of the loudspeaker, the installation should be done according to the procedure described below:

1) Firstly cut a hole into the surface whereto the loudspeaker should be installed with a diameter mentioned in the table below. The included cutout template can be used for an easy marking of the installation hole.

	Cut-out Measurement
MERO2I	128 x 80 mm
MERO5I	214 x 139 mm
MERO6I	254 x 174 mm

2) Provide the loudspeaker connection cable through the mounting hole. Make sure the used connection cable is sufficiently thick. The required cable thickness depends on its length.

3) Take the loudspeaker, and remove the front grill which is held in place by neodymium magnets. The front grill can be easily removed by gently pulling it.

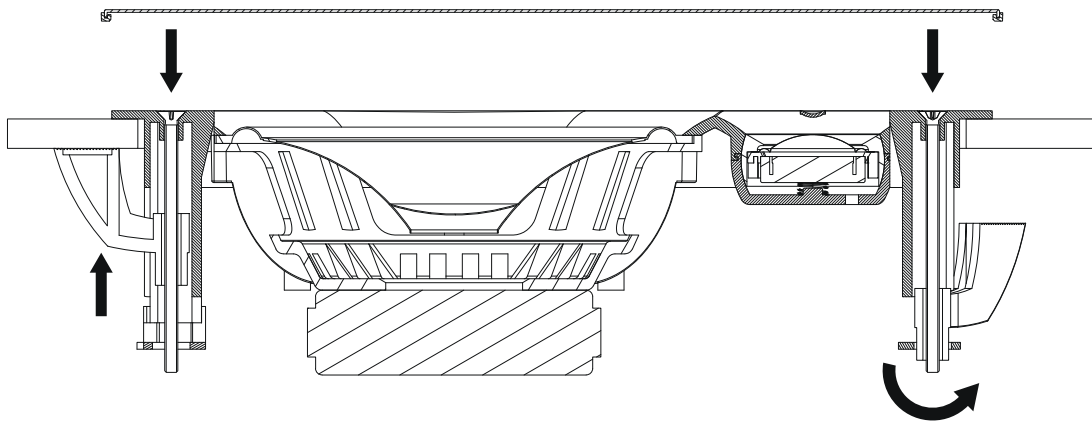


4) Connect the loudspeaker connection cable to the gold plated spring clamp connectors. Press the button of the corresponding terminal down and insert the connection cable. After releasing the button, the cable is connected to the loudspeaker. The Red terminal indicates positive (+) pole and the Black terminal indicates the negative (-) pole.

Mind the polarity markings when wiring the loudspeaker cables. Maintain the same polarity and wiring colour coding throughout the entire system to avoid any mistakes causing malfunction or distortion.

5) Once the connections are made, the loudspeaker can be installed in the provided mounting hole. Make sure the mounting clips of the loudspeaker are rotated inwards, making the speaker fit through the hole. Insert the speaker through the provided mounting hole, and use a screwdriver for tightening the fixing screws.

Once the screws are tightened a quarter turn, the mounting clip will rotate outwards and will be locked behind the surface. From then on, the loudspeaker is anchored in the surface and thus can not fall.



6) After the screws are tightened and the speaker is level with the surface, the front grill can be assembled to the loudspeaker.

Technical specifications



	MERO2I	MERO5I	MERO6I
Peak Power handling	40W	240W	240W
Program Power handling	20W	120W	120W
Continuous power (AES)	10W	60W	60W
Nominal impedance	8 Ω	8 Ω	8 Ω
Sensitivity 1W/1m	83 dB	85 dB	88dB
Sound pressure Max W/1m	93 dB	102 dB	106 dB
Frequency response - 3dB	120 Hz - 20kHz	70 Hz - 20kHz	55 Hz - 20kHz
Speaker type	Full Range	2-way	2-way
	2" aluminium membrane	HF: 1" aluminium membrane (Rotation angle 7.5 °)	HF: 1" aluminium membrane (Rotation angle 7.5 °)
	-	LF: 5" aluminium membrane	LF: 6" aluminium membrane
Cross-over network	-	Passive built-in	
Cross-over frequency	-	3 kHz	
Coverage	165 ° Conical	160 ° H x 140 ° V	
Connectors	Gold-Con™ spring clamps		
Construction	High-Quality ABS		
Front finish	Thin edged white grill (RAL9016)		
Mounting & handling	2 Screw quick-fixing mechanism	4 Screw quick-fixing mechanism	
Operating temperature	-20 °C ~ 60 °C		
Colour	White (RAL9016)		
Dimensions (W x H x D)	146 x 98 x 70 mm	161.5 x 236.5 x 74.1 mm	196.5 x 276.5 x 82 mm
Cut-out measurement	128 x 80 mm	214 x139 mm	254 x 174 mm
Built-in depth	70 mm	71 mm	78.5 mm
Weight	0.355 kg	1 kg	1.660 kg
Included accessories	Cut-out template		
	GLM02I/W White grill (RAL9016)	GLM05I/W White grill (RAL9016)	GLM06I/W White grill (RAL9016)
Optional accessories	GLM02/B Black grill (RAL9005)	GLM05/B Black grill (RAL9005)	GLM06/B Black grill (RAL9005)
	GLM02/P Paintable grill	GLM05/P Paintable grill	GLM06/P Paintable grill
	WTR06 6W 100V line transformer	WTR24 24W 100V line transformer	



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