

## Highlights:

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- 1" Dome tweeter
- 8" Low frequency loudspeaker
- Aluminum mounting bracket (MK2 version)
- Aluminum grill
- AWX5™ waterproof connector
- Vertical and horizontal mounting
- Multi-tapping 70V / 100V line transformer

## Product information:

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The WX802/O is a powerful 2-way performance speaker which is specially designed for outdoor use, ensuring true-to-nature, high fidelity reproduction of music and speech. It lends itself to a wide variation of outdoor applications, ensuring a clear and powerful sound reproduction. Hereby, the WX802/O is the perfect companion for outdoor applications where clear background music is desirable throughout the day and a more powerful sound with deeper bass is necessary when the party erupts after sunset. The sound is coming from a weatherproof treated 8" low-frequency loudspeaker in combination with a 1" dome tweeter which is built in an aesthetical and solid synthetic enclosure.

The material used for the mounting bracket on the outdoor versions has been improved by using aluminum, making the WX series MK2 even more resistant to extreme weather conditions. The bracket allows users to mount the WX802/O vertically as well as horizontally.

Special treatment with powder coating provides the necessary protection for all weather conditions. Because of this, the brackets can pass the 96 hours salt-spray test. A drain hole behind the aluminum front grill allows letting the moisture flow out when condensation occurs. The waterproof AWX-5 connector at the backside makes sure that this speaker meets the IP55 standards.

## Applications:

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- Corporate
- Retail
- Sporting facilities
- Bars & Restaurants
- Museums & Themeparks



## Certification:

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 IP55

## Properties:

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 Weatherproof

## Impedance:

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$\Omega$  16 Ohm

## Voltage:

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 70-100 Volt

## System specifications:

Speaker type		2-way
Peak power handling		280 W
Program power handling		140 W
RMS/AES power handling		70 W
Impedance		16 $\Omega$
Sensitivity (1W/1m)		89 dB
Sound Pressure (Max. W/1m)	@ 16 $\Omega$	108 dB
	@ 100 V	106 dB
Frequency	Response ( $\pm$ 3 dB)	60 Hz - 17 kHz
	Range (-10 dB)	50 Hz - 20 kHz
Crossover	Frequency	2.4 kHz
	Type	Passive built-in
Dispersion	Horizontal	110°
	Vertical	110°
Ingress Protection rating		IP55
Connectors		Waterproof AWX-5 connector
Drivers	HF	1"
	LF	8"
Line Transformer Tappings	1	83 $\Omega$ - 100 V / Not used - 70 V / 60 W
	2	167 $\Omega$ - 100 V / 60 W - 70 V / 30 W
	3	333 $\Omega$ - 100 V / 30 W - 70 V / 15 W

## Product Features:

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Dimensions	270 x 360 x 215 mm (W x H x D)	
Weight	7.500 kg	
Operating temperature	-25 °C ~ 70 °C	
Construction	ABS	
Mounting & handling	Mounting bracket	
Front finish	Aluminium grill	
Colours	Black (RAL9005) (WX802MK2/OB)	
	White (RAL9003) (WX802MK2/OW)	
Accessories	Included	Mounting bracket
		5-pin connection cable (70 cm) AWC07
	Optional	AWC07 - AWX5 cable 0.7 m
		AWC25 - AWX25 cable 2.5 m
		AWC50 - AWX50 cable 5 m

## Variants:

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- WX802MK2/OB - Outdoor black version
- WX802MK2/OW - Outdoor white version

## Shipping & Ordering:

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Packaging	Cardboard box
Shipping weight & volume	15.000 kg - 0.0636 Cbm (2 pcs)

## Architects' and Engineers' Specifications:

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The loudspeaker shall be a surface-mount 2-way type, consisting of a 8" woofer and 1" tweeter which are built in an ABS enclosure with finely perforated front grill and fitted with a line transformer allowing it to be used on both low impedance (16 Ohm) and 70/100 Volt distributed lines. It shall be vertically and horizontally mountable using the supplied mounting bracket.

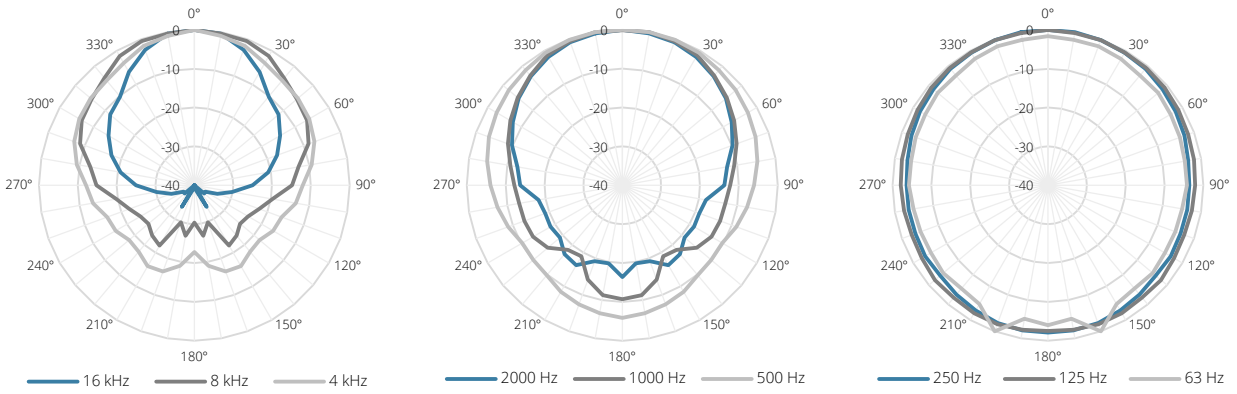
It shall have an RMS power handling of 70 Watt with a maximum power handling of 140 Watt and the frequency response ( $\pm 3$  dB) shall range from 60 Hz to 17 kHz. The sensitivity shall be 89 dB when measuring with an input signal of 1 Watt at a distance of 1 meter, while the maximum continuous sound pressure level shall be 108 dB.

The loudspeaker shall have an impedance of 16 Ohm, a 70/100V line transformer and a passive built-in crossover network with crossover frequency of 2.4 kHz. The enclosure shall comply to IEC60529 IP55 ratings for dust & splash resistance and shall feature a waterproof AWX-5 connector allowing transformer tapping selection for 60 Watt, 30 Watt and 15 Watt or the 16 Ohm bypass.

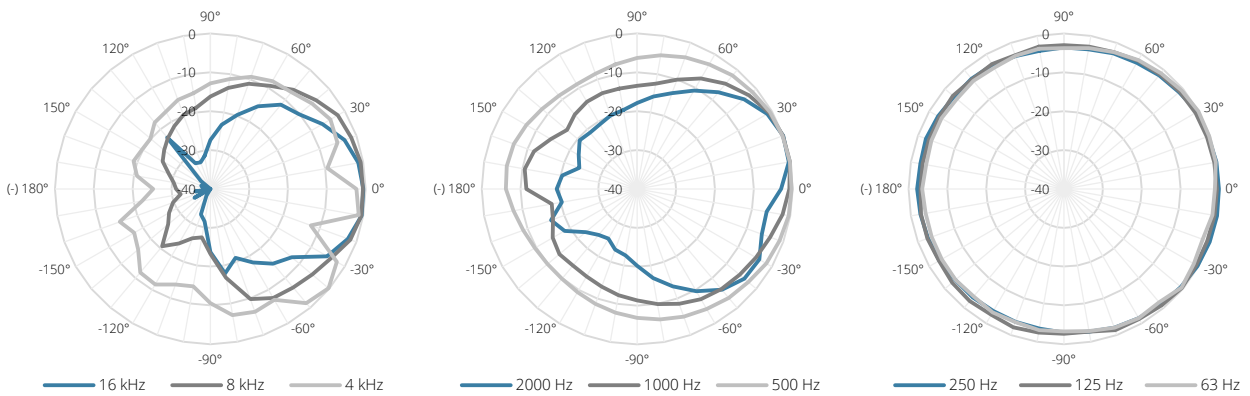
The loudspeaker enclosure shall be 270 mm high, 360 mm wide and 215 mm deep and the weight shall not exceed 7.5 Kg.

# Acoustical data graphs:

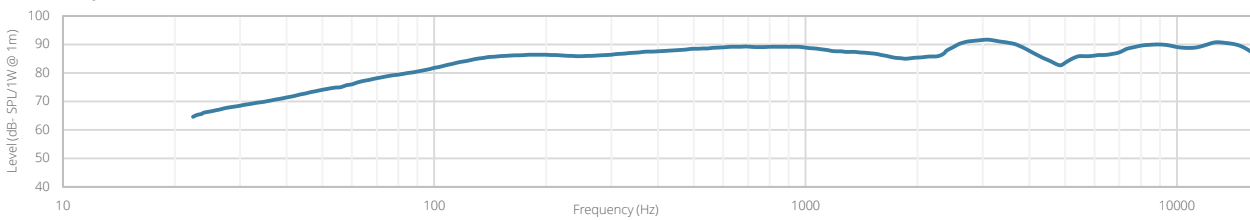
## Horizontal Polars:



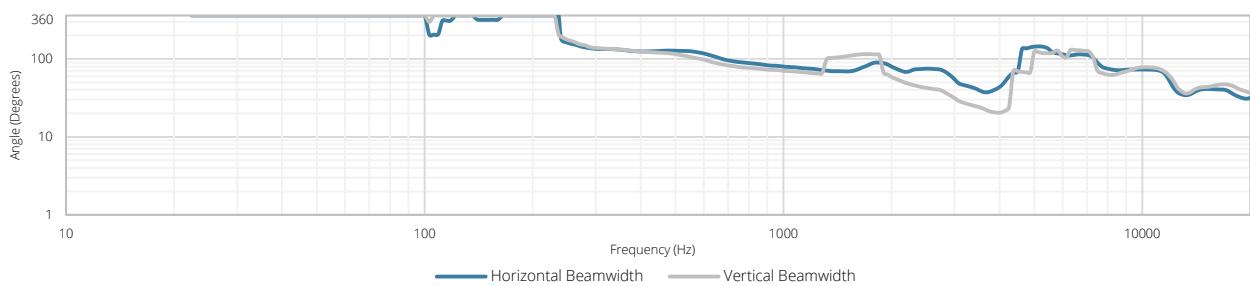
## Vertical Polars:



## Sensitivity:



## Beamwidth (-3dB):



## Directivity index:

