apart
Sounds like the right choice

MASK4(T) & MASK6(T)
Instruction manual

MASK4(T) & MASK6(T) Manual

Introduction

Please read this manual carefully before using the product. This will give you the necessary product and installation instructions to assure a seamless installation and non-compromised overall sound quality.

Thank you for purchasing loudspeakers of the MASK series.

We proudly present our iconic 2 way speakers, with their timeless typical APART design that will fit into any of your projects.

The paintable and weather resistant design also makes this speaker perfect for outdoor applications.

The loudspeakers have a unique protection circuit which will protect the integrity of the speaker when needed and is visualized with a led on the front side of the speaker.

Ease of installation has always been very important to us. With great pride we present the INTELLI-MOUNT snap-on system for safe and reliable mounting at minimal effort when installing.

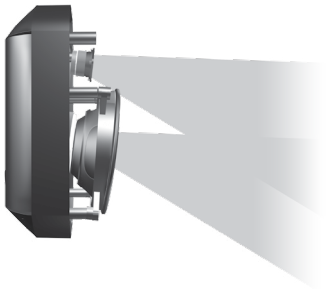
Safety instructions

- Keep this manual for future reference.
- Take care of your speaker wires, they should be free of damage. Damaged speaker wires may result in poor sound quality and can damage amplifiers.
- No main power shall be connected to the speakers, doing so will damage the speaker.
- This speaker should only be serviced by qualified personnel. If not, warranty might be void.
- Use cables of the right gauge, certainly for long runs.
- Use cables with clear color indication and maintain polarity throughout the whole system.
- Avoid loud feedback for this is a main speaker killer.
- Clean only with dry cloth.
- Do not operate near heaters or place it on other apparatus which produce a lot of heat.
- Only use accessories specified by the manufacturer.
- Make sure the mounting surface can easily support the speaker's weight.
- Use only industry-accepted rigging tools and methods.
- Use sufficient loudspeakers and avoid death spots.
- Being exposed to loud levels over a long time can cause severe hearing loss.

- Don’t forget to consult the local law directions regarding producing sound in public places.
- Please check the unit’s condition after unpacking. If the outside of the carton box has been damaged, inform your shipper immediately.

Features and benefits

- timeless design
- weather resistant
- INTELLI-MOUNT snap-on system with lockable rotating ball for safe and reliable mounting
- wall and ceiling mountable
- unique overload protection
- asymmetric tweeter horn design
- a 4.25” LF driver for MASK4 and a 6.5” LF driver for MASK6
- paintable in any RAL color
- 70 W power handling for MASK4(T) and 200 W for MASK6(T)



Mounting the speaker

The intelligent mounting system helps you to install the MASK4(T) and MASK6(T) speaker in a safe and easy way.

1. Before mounting the base plate to the wall, test-fit the speaker-bracket combination to see if you can reach the desired mounting angle. Determine the position of the mounting holes using the base plate as a template and drill the holes.

2. Keep in mind: minimum distance to ceiling for MASK4 is 45 mm and for MASK6 90 mm.

3. Place the shaft / ball to the snap-on plate and secure it with the XXL nut. After this screw the butterfly nut on the shaft / ball.

4. Thread the assembled snap-on unit onto your MASK speaker as

far as it goes and tighten it firmly. Screw the butterfly nut to the MASK speaker to secure it.

5. Select the desired voltage tap setting on the speaker. (MASK4T and MASK6T only)

6. Hook the snap-on-plate into the base plate, insert the security screw and tighten.

7. Position the loudspeaker correctly so that it is pointed to the correct place in the room (remembering the 5% internal down tilt of the speakers) and tighten the XXL-nut.

Connecting the speaker

The connectors can be found behind the rubber IP64 Protection cover. The cables are connected with “push-terminals”.

Mind the polarity marked on the back of the speaker: + is positive, - is negative. Most speaker wires have a color code. Respect the color code starting at your amplifier up to your speakers.

For distances up to 20 meters, you can use 0.75 mm² speaker wire without any loss of performance. For longer distances, use thicker wire.

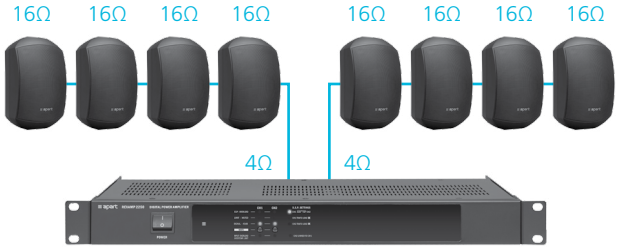
After connecting the speaker wires, use the power selector on the back to select the correct power setting. This is only applicable for MASK4T and MASK6T. For low impedance applications select the 16 Ohm position. Otherwise chose one of the following 100V power positions.

MASK4T: 2.5 W, 5 W, 10 W, 20 W

MASK6T: 6 W, 15 W, 30 W, 60 W

Once the speaker is connected and in position, place the rubber protection cover to shield the speaker connections from external elements.

16 Ω technology



- dynamic high power
- stereo Hi-Fi quality
- same volume in all zones
- max 8 cabinets on a stereo Hi-Fi amplifier

100 V technology

- different volume settings in all zones
- more than 8 cabinets on a stereo Hi-Fi amplifier
- Easy installation

Protection LED

Note: All MASK models have a unique overload protection, which is activated when the speakers are overloaded. When too much power is fed into your MASK, first a red led will blink. When you neglect this warning, the overload protection will disconnect the signal going to the loudspeakers and the red led will remain on.

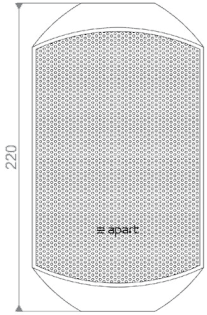
Turn down the level and after about 3 seconds cooling down the signal will be reconnected to the loudspeakers.

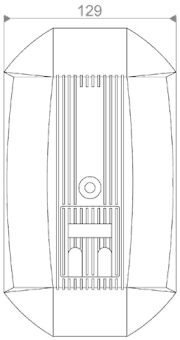
- REMINDER -

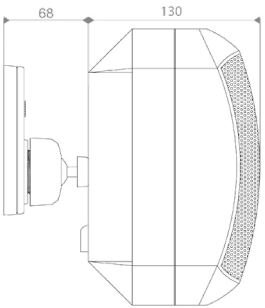
Protection systems are not built to be activated all the time, they are to warn you and to give you a safety margin!

Technical drawings

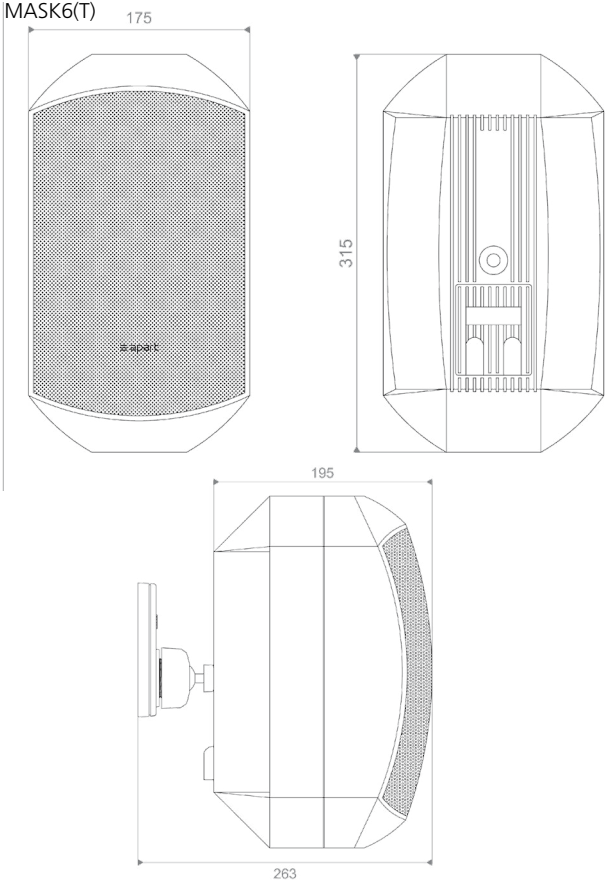
MASK4(T)





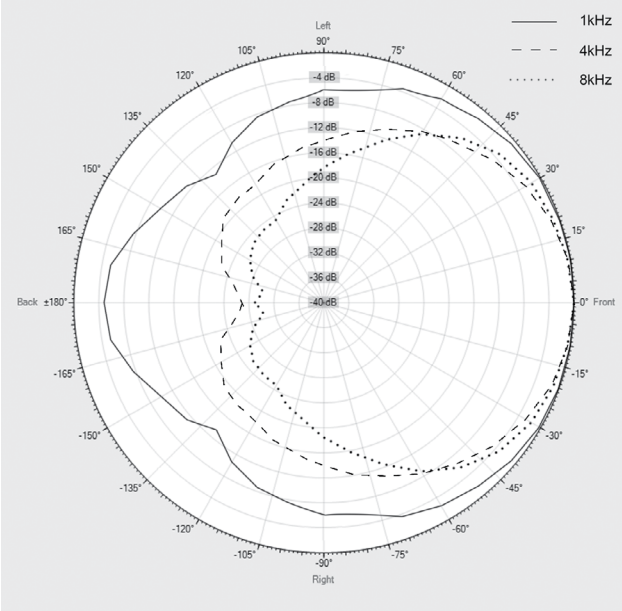


MASK6(T)

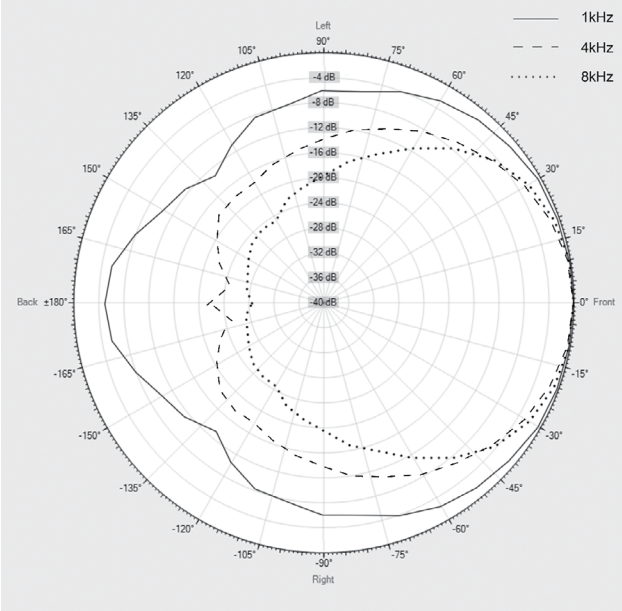


Polar diagram

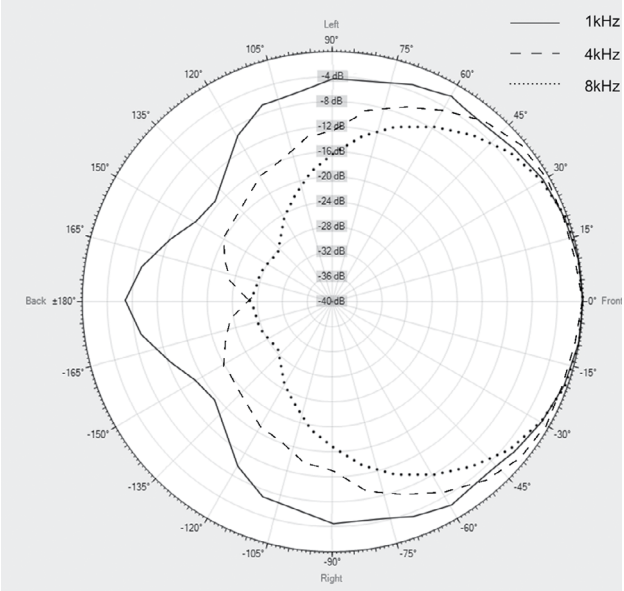
MASK4



MASK4T


1kHz
4kHz
8kHz
Left
90°
75°
60°
45°
30°
15°
0° Front
-15°
-30°
-45°
-60°
-75°
-90°
Right
-105°
-120°
-135°
-150°
-165°
Back ±180°
165°
150°
135°
120°
105°
-4 dB
-8 dB
-12 dB
-16 dB
-20 dB
-24 dB
-28 dB
-32 dB
-36 dB
-40 dB

MASK6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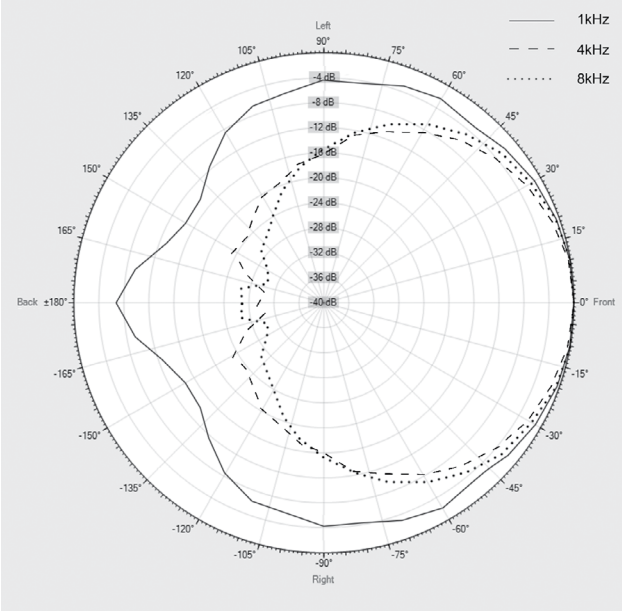
MASK6T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-8 dB
-12 dB
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-28 dB
-32 dB
-36 dB
-40 dB

Technical specifications

	MASK4	MASK4T
Woofer size	4.25”	4.25”
Tweeter size	1”	1”
Loudspeaker system	2-way	2-way
Nominal impedance	8 ohms	16 ohms 100 V: 2.5 W / 5 W / 10 W / 20 W
Frequency range	80 – 20 kHz	80 – 20 kHz
Program power	70 W	70 W
SPL at 1W/1m	92 dB	89 dB
Max SPL at 1m	104 dB	104 dB
Distance from wall	45 mm	45 mm
IP rating	64	64
Main construction material	ABS plastic	ABS plastic
Grill main material	Aluminium	Aluminium
Shipping weight	3.7 kg (1 pair plus accessories)	4.3 kg (1 pair plus accessories)
Net weight	1.85 kg (1 speaker)	2.15 kg (1 speaker)
Dimensions (h x w x d)	220 x 129 x 130 mm (without mounting bracket)	220 x 129 x 130 mm (without mounting bracket)
Shipping dimensions (h x w x d)	290 x 330 x 180 mm	290 x 330 x 180 mm
Colour	black / white / silver	black / white / silver
Accessories (supplied)	2 x intelli-mount 2 x safety cable	2 x intelli-mount 2 x safety cable

	MASK6	MASK6T
Woofer size	6.5"	6.5"
Tweeter size	1"	1"
Loudspeaker system	2-way	2-way
Nominal impedance	8 ohms	16 ohms 100 V: 6 W / 15 W / 30 W / 60 W
Frequency range	65 - 20 kHz	60 - 20 kHz
Program power	200 W	200 W
SPL at 1 W / 1 m	90 dB	90 dB
Max SPL at 1 m	110 dB	111 dB
Distance from wall	90 mm	90 mm
IP rating	64	64
Main construction material	ABS plastic	ABS plastic
Grill main material	Aluminium	Aluminium
Shipping weight	7.2 kg (1 pair plus accessories)	8.3 kg (1 pair plus accessories)
Net weight	3.6 kg (1 speaker)	4.15 kg (1 speaker)
Dimensions (h x w x d)	315 x 175 x 195 mm (without mounting bracket)	315 x 175 x 195 mm (without mounting bracket)
Shipping dimensions (h x w x d)	370 x 450 x 250 mm	370 x 450 x 250 mm
Colour	black / white	black / white
Accessories (supplied)	2 x intelli-mount 2 x safety cable	2 x intelli-mount 2 x safety cable

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