

# APart

MASK SERIES



# MANUAL



[INFO@APART-AUDIO.COM](mailto:INFO@APART-AUDIO.COM)



### MASK8 Series

The senior MASK is a full range loudspeaker fitted with an 8" LF driver and our smooth sounding ferro-fluid cooled silk dome tweeter on a 360° Waveguide horn for high output, without getting aggressive.

The coated paper cone together with the stiff suspension results in a well controlled sound. This wooden bass reflex loaded model is only in 8Ω available.

You can use the MASK 8 anywhere you need a BIG sound from a rather small enclosure.



MASK8BL



MASK8W

### Subwoofers

To improve reproduction of lower frequencies, it is advisable to add (powered) subwoofers to your sound system.

To calculate the number of subwoofers needed, determine the maximum rated output of a single subwoofer. Placing your subwoofer near one or more boundaries, increases the SPL by 3-6dB for each boundary (for certain frequencies).



SUB2400



SUB2200



SUB-A165



### Connecting the speakers

1. Keep this manual for future reference.
2. Clean only with dry cloth.
3. Do not operate near heaters or place it on other apparatus which produce a lot of heat.
4. Take care for the speaker leads. Never use damaged leads and install them in such a way that no one can walk on it.
5. Only use accessories specified by the manufacturer.
6. Make sure the mounting surface can easily support the speaker's weight.
7. Use only industry-accepted rigging tools and methods.
8. Choose the right speaker for the right job.
9. Use sufficient loudspeakers and avoid death spots.
10. No main power shall be connected to the loudspeakers.
11. This apparatus should only be serviced by qualified personnel. If not, the warranty might be void.
12. Removal of the grill causes risk to loudspeaker damage.
13. Use cables of the right gauge, certainly for long runs.
14. Use cables with clear colour codes and maintain polarity throughout the whole system.
15. Switch amplifiers on with the volumes turned down completely to avoid loud clicks and clacks.
16. Avoid loud feedback for this is a main speaker killer!
17. Please check the unit's condition after unpacking. If the outside of the carton box has been damaged, inform your shipper immediately.

#### ***Music colours our life but too much sound might damage yours and others hearing permanently!***

Being exposed to loud sound levels over a long time can cause severe hearing loss. Don't forget to consult the local law regulations regarding producing sound in public places. In some countries ear protection is obliged when the continuous sound level over 8 hours time is 80dB (A). Each halving of time allows an increase of 3dB.

#### ***Too weak amplifiers can burn your speakers***

By pushing your amplifier or its inputs too much, your amp can produce more power than the power published in his manual.

This power is not always clean and can be very distorted. When such signal is fed into your loudspeakers for a longer period, damage can be the result. Don't cut in the budget of your amplifier. A loudspeaker can demand to ten times the average power to reproduce those smashing sonic bursts you are kicking on. If your amplifier has enough reserve power, your sound will remain clear. When you squeeze your amp's throat, he'll be pushed to produce sounds which will kill your tweeters first.

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

### Wiring

Two parallel wired speakon 4 connectors are available (wired +1/-1).

To avoid confusion, use cables which have clear (colour) codes, so correct polarity can be maintained. Also use wires of the right gauge, certainly for longer distances.

Load	2,5mm <sup>2</sup>	4mm <sup>2</sup>
2 Ω	<7,5m	<12,5m
4 Ω	<15m	<25m
8 Ω	<30m	<50m
16 Ω	<60m	<100m

equity between loss and cable length

As long as you stay under these cable lengths the loss of amplifier power will remain below +/- 10%.



APART THANKS YOU

Apert thanks you for purchasing the MASK 8.

Read this manual carefully to get the best result out of your music system.

MASK two way loudspeakers have been designed to fit in any interior and to be applicable in most situations.

The MASK supports shipped along, are a great tool for easy reliable installation and orientation.

Each model has a unique protection circuit, which will only appear in the audio path when needed.

We're sure your MASK 8 loudspeakers will give the finishing touch to your sound system.

### **Features**

- MDF wooden cabinet
- Available in black or white
- Paintable
- 2 L-brackets for safe and reliable mounting
- Wall and ceiling mountable
- 8 rigging points, M8
- Unique overload protection
- Protective steel grill
- Dome tweeter on 360° Waveguide horn for broad dispersion
- 8 Ω, 8" coated paper cone HD woofer
- Two speakon 4 connectors
- Great power handling
- Smooth professional HiFi sound





### Overload Protection

All MASK models have a unique overload protection, which only comes into the signal path when needed. 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 5 seconds cooling down your favourite music will be heard again. When you don't want to work on your client's nerves, don't activate the overload protection !

Protection LED



### Safety information

#### Important Safety Instructions

Before pushing your loudspeaker volumes to the edge, take a few minutes to read these instructions carefully. This little time might avoid claims afterwards.

1. Keep this manual for future reference.
2. Clean only with dry cloth.
3. Do not operate near heaters or place it on other apparatus which produce a lot of heat.
4. Take care for the speaker leads. Never use damaged leads and install them in such a way that no one can walk on it.
5. Only use accessories specified by the manufacturer.
6. Make sure the mounting surface can easily support the speaker's weight.
7. Use only industry-accepted rigging tools and methods.
8. Choose the right speaker for the right job.
9. Use sufficient loudspeakers and avoid death spots.
10. No main power shall be connected to the loudspeakers.
11. This apparatus should only be serviced by qualified personnel.  
If not, the warranty might be void.
12. Removal of the grill causes risk to loudspeaker damage.
13. Use cables of the right gauge, certainly for long runs.
14. Use cables with clear colour codes and maintain polarity throughout the whole system.
15. Switch amplifiers on with the volumes turned completely down to avoid loud clicks and clacks.
16. Avoid loud feedback for this is a main speaker killer!
17. Please check the units' condition after unpacking. If the outside of the carton box has been damaged, inform your shipper immediately.



### Mounting

For safe mounting eight 8mm rigging points are available; one at the top and bottom, two at each side and two at the back.

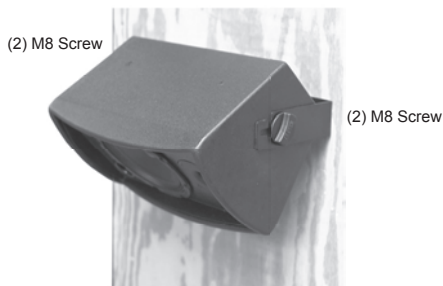
Two strong L brackets are shipped along for easy mounting to a wall or ceiling. Fix the brackets to the wall or ceiling (1), put the M8 screw in the M treat at the top and the bottom (2), and just hook your MASK into the brackets (3).

The sleeve in the brackets helps you to hook up your MASK in a easy and safe way. Then fasten the M8 screws to secure.

This mounting system can be used for vertical, horizontal or ceiling mounting. If safety rules allow, it is possible to mount the MASK8 vertically with one bracket only fig.A However in that case we strongly recomend to use a extra safety cable.



(1) Fix the brackets to the wall



(3) Hook into the brackets



Fig. A

**APartE**

**MASK SERIES**

