

# MUTANT

## SPEAKER USER MANUAL



For more information about **MUTANT** car audio visit our website at [www.mutant.uk.com](http://www.mutant.uk.com)  
**MUTANT** is a brand name of Armour Automotive Ltd.



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# TABLE OF CONTENTS

## **Mutant – The New Species**

## **Mutant Midrange Speakers**

Features

Thiele Parameters

Dimensions

## **Trouble Shooting**

## **Warranty**

# MUTANT – THE NEW SPECIES

From the depths of Hampshire comes an evolution in car audio. If you're searching for a beast of a system, the Mutant ranges of amplifiers, subwoofers and speaker systems are a breed apart. With awesome looks and build quality Mutant audio possesses all you need to stand out from the rest of the brood! When was the last time you encountered a Mutant? Get with a new species. Get a Mutant in your car!!

Mutant landed in the world of in-car entertainment in 2004, where it exploded onto the scene.

Since then, it has evolved into the unorthodox creature you see, or more likely hear, today.

Genetically modified to take the breed one step further, Mutant evolved and Mutant X was created which represents not only the good looks, style and quality already associated with Mutant, but an unknown entity was added to make the products louder, and fiercer than their predecessors.

Not satisfied with merely beating the competition, Mutant XXX was bred to annihilate them. The raw power and aggression has however been refined to a sophisticated inner strength which offers the ultimate solution for any install.

We recommend you have your MUTANT product installed by an Authorised MUTANT Dealer. Please read the warranty policy, keep your purchase receipt and original packaging.

If you have any queries on MUTANT products, please contact our technical department either by email or phone.

**WARNING!** Mutant Audio Systems can produce sound levels over 135dB. Continuous exposure to sound pressure levels over 100dB may cause permanent hearing loss.

When driving, please be vigilant for emergency vehicles as warning sirens may not be heard.

## YOU CAN HELP PROTECT THE ENVIRONMENT!

Please remember to respect local regulations :

Hand in non-working electrical equipment to an appropriate waste disposal centre.



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# MIDRANGE SPEAKERS

Mutant Mids have been designed to bring you clarity and definition at a competitive price without compromising quality:

## FEATURES

### **Ribbed Electroplated IMPP cone:**

The ridges on the cone resist distortion allowing for increased power handling without cone breakup.

### **Heavy gauge stamped steel basket:**

Provides the magnet structure a solid mounting surface.

### **Strontium Magnets:**

Ensures the ultimate magnetic properties to maintain cone control at high listening levels.

### **High sensitivity:**

Ensures that you make the most out of every watt your amplifier or head unit provides:

### **Mylar Tweeter:**

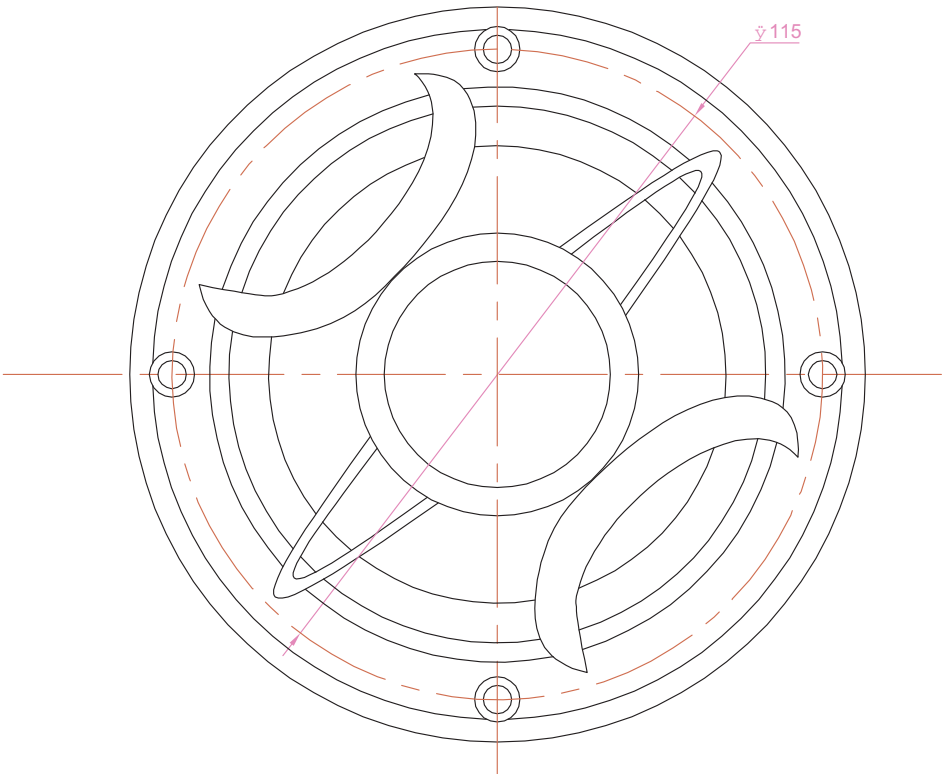
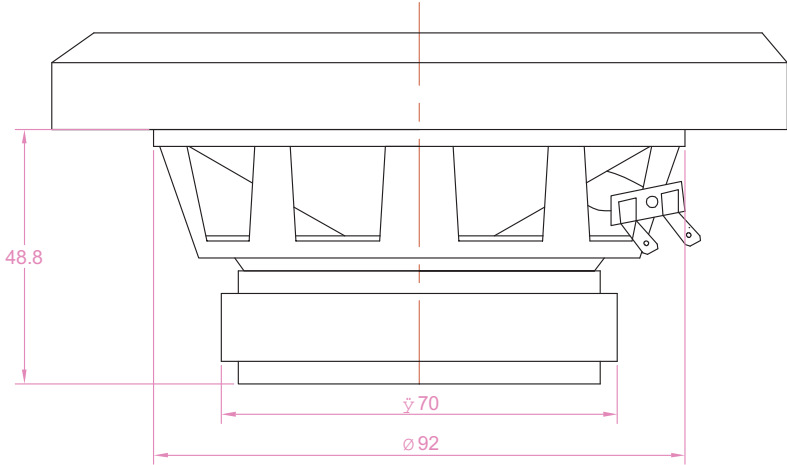
Gives crystal clear highs to compliment the midrange speakers tonal qualities perfectly.

# THIELE PARAMETERS :

PARAMETERS	THIELE SYMBOL	MUTANT MIDRANGES			
		MT407	MT507	MT607	MT6907
Max Power (Watts)		90	100	120	300
RMS Power (Watts)		30	35	40	100
Impedance (Ohms)		4	4	4	4
Frequency Response (Hz)		100-20000	95-20000	80-20000	60-20000
Magnet Size (oz)		6.4	6.4	10	20
Voice coil diameter (inches)		1	1	1	1
Sensitivity (dB)	dB (1W/1M)	87	88	89	89
Resonant Frequency (Hz)	fs	99.54	70.224	80.74	49.54
Mechanical Q Factor	Qms	3.129	3.221	4.573	3.377
Electrical Q Factor	Qes	2.013	1.39	1.682	1.276
Total Q Factor	Qts	1.225	0.971	1.23	0.926
Equivalent Volume (mm <sup>3</sup> )	Vas	2.328	6	7.962	24.947
DC Resistance (ohms)	Re	3.8	4	3.9	3.95
Effective Piston Area (mm <sup>2</sup> )	Sd	5.2	7.8	14.2	20.5
Mechanical Mass (g)	Mms	4.216	7.396	13.973	24.688
Mechanical Compliance (um)	Cms	606.429	694.494	278.08	418.043
Force Factor <sup>TM</sup>	Bl	2.231	3.065	4.054	4.878
No (%)	No	0.11	0.145	0.241	0.23
K <sub>rm</sub> (m ohm)	K <sub>rm</sub>	116.592	84.361	199.471	205.04
E <sub>rm</sub>	E <sub>rm</sub>	0.951	0.988	0.941	0.929
M <sub>md</sub> (Kg)	M <sub>md</sub>	4	7	13	23
K <sub>xm</sub> (mH)	K <sub>xm</sub>	3.66	5.059	7.248	3.565
E <sub>xm</sub>	E <sub>xm</sub>	0.658	0.636	0.628	0.697

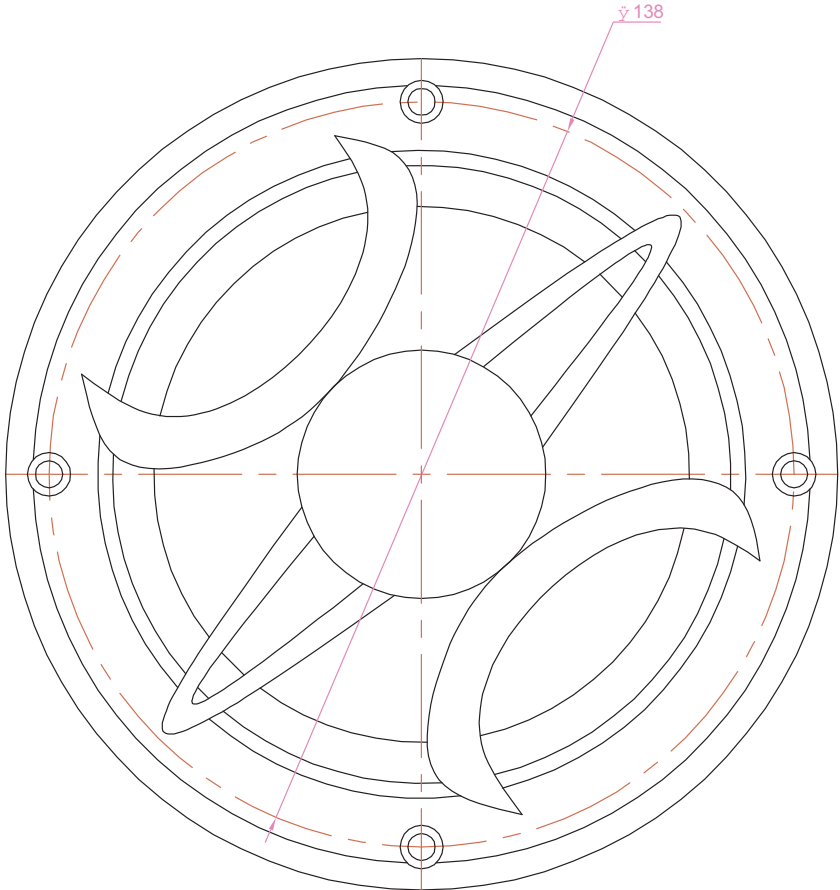
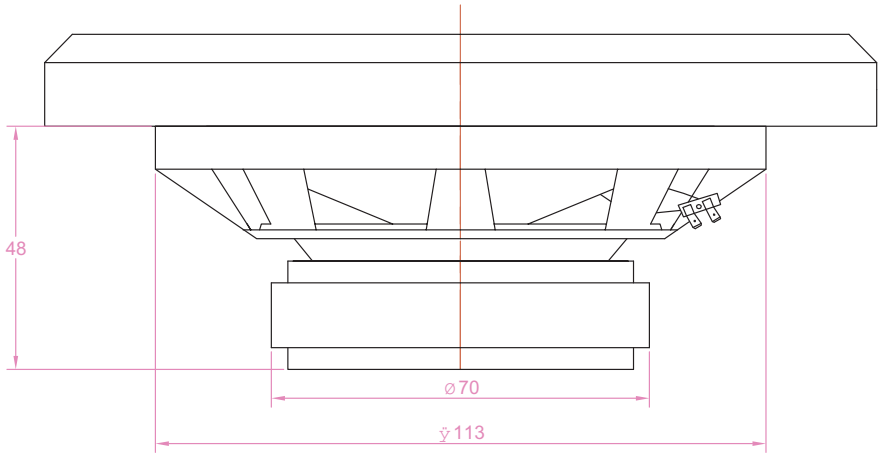
# MT407

## Dimensions:



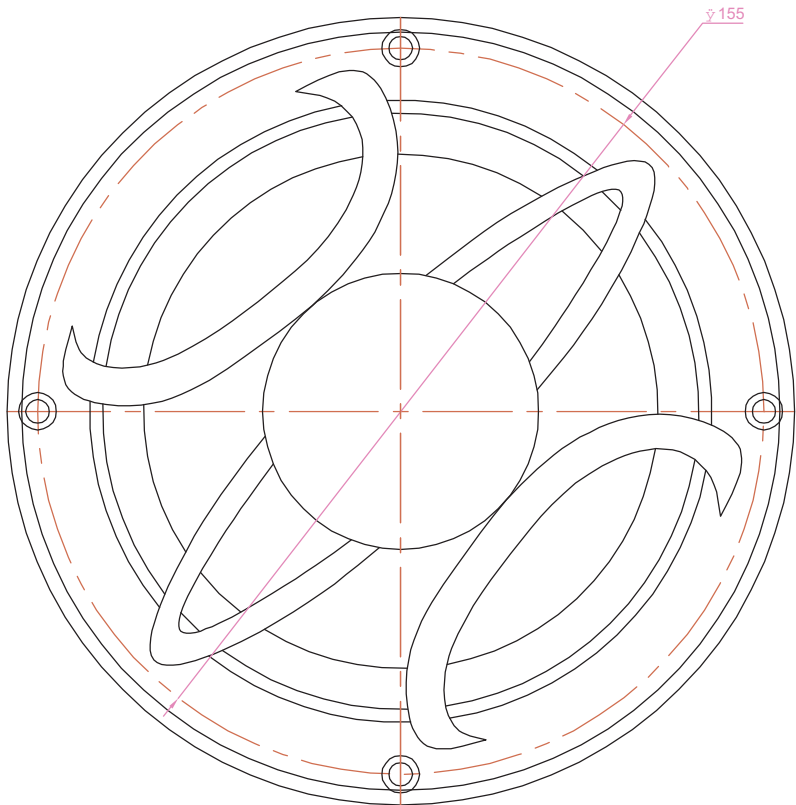
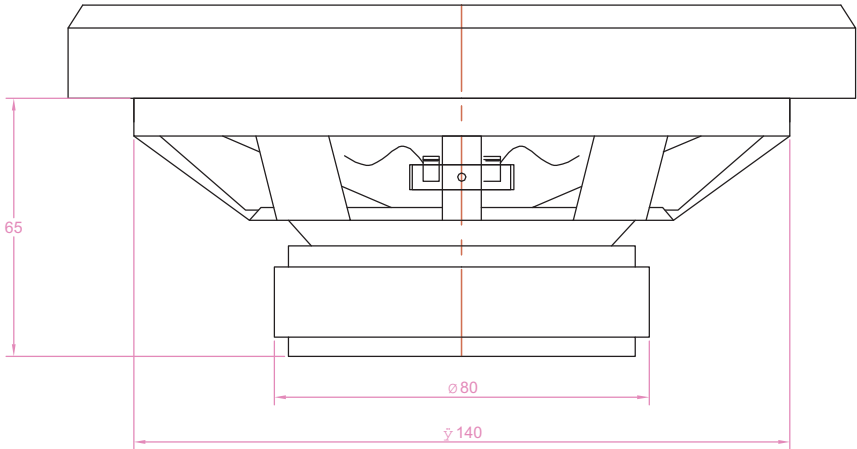
# MT507

## Dimensions:



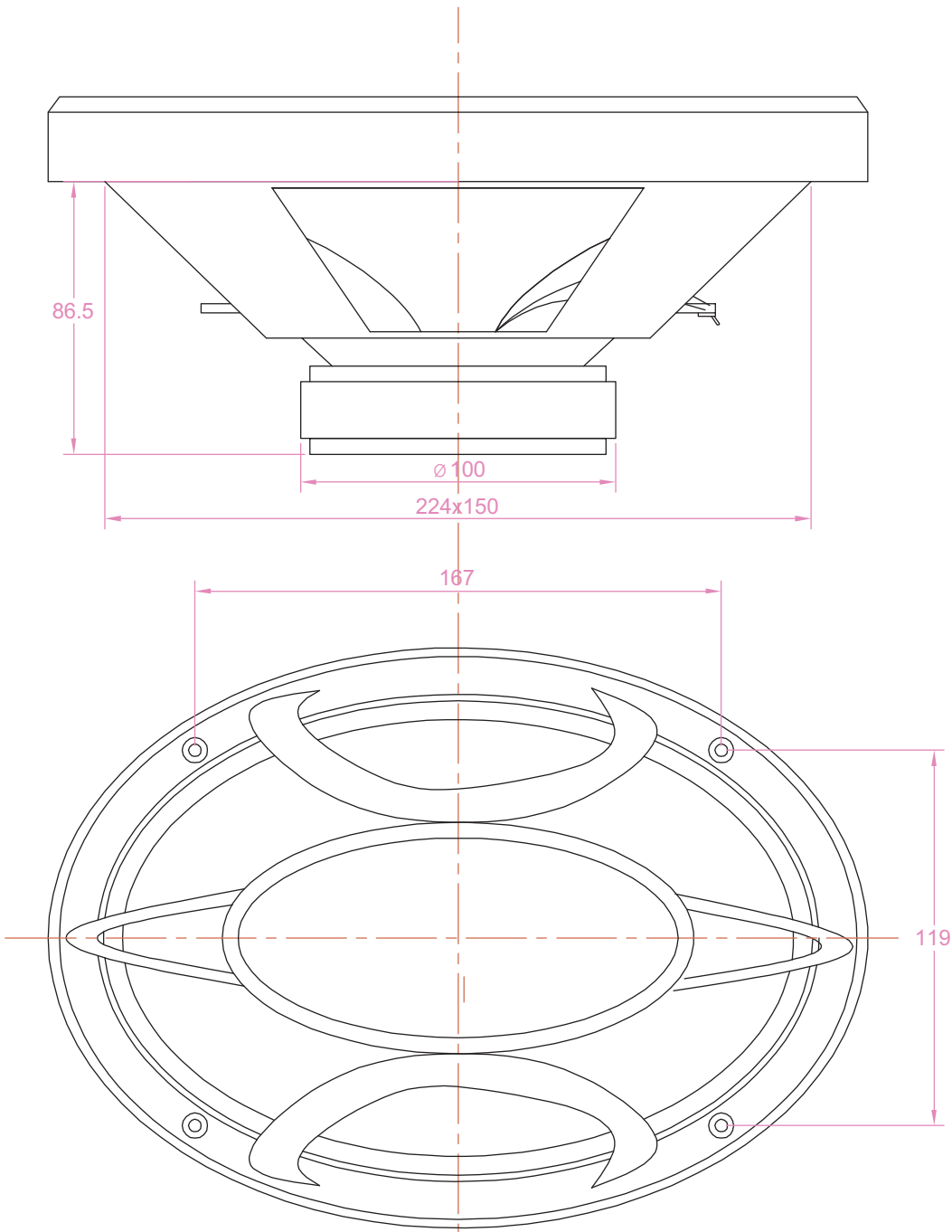
# MT607

## Dimensions:



# MT6907

## Dimensions:



# WARRANTY

Armour Automotive Ltd warrants this product to be free from defects in material and workmanship under normal use for a period of 12 months from date of original purchase with receipt. Should service be necessary under this warranty for any reason due to manufacturing defect or malfunction during the warranty period, Armour Automotive will repair or replace (at its discretion) the defective merchandise with equivalent merchandise at no charge. Discontinued products may be replaced with more current equivalent products. The warranty excludes damage or abuse caused by customer misuse. All warranties are to be handled by the original retailer where the goods were purchased.

This warranty is valid only for the original purchaser and is not extended to owners of the product subsequent to the original purchaser. Any applicable implied warranties are limited in duration to a period of the express warranty as provided herein beginning with the date of the original purchase at retail, and no warranties, whether express or implied, shall apply to this product thereafter.

## WHAT TO DO IF YOU NEED WARRANTY OR SERVICE

If you need to make a warranty claim or require service to your Mutant product, please return to your original dealer with the product and your original bill of sale.

## WHAT IS NOT COVERED?

- Damage due to improper/incorrect installation
- Subsequent damage to other components
- Damage due to exposure to moisture, excessive heat, chemicals, and or UV radiation
- Damage caused due to negligence, misuse, accident or abuse. (Repeated returns for the same damage may be considered abuse)
- Any cost related to the removal or re-installation of the product.
- Damage caused by Amplifier clipping or distortion.
- Any carriage costs incurred.

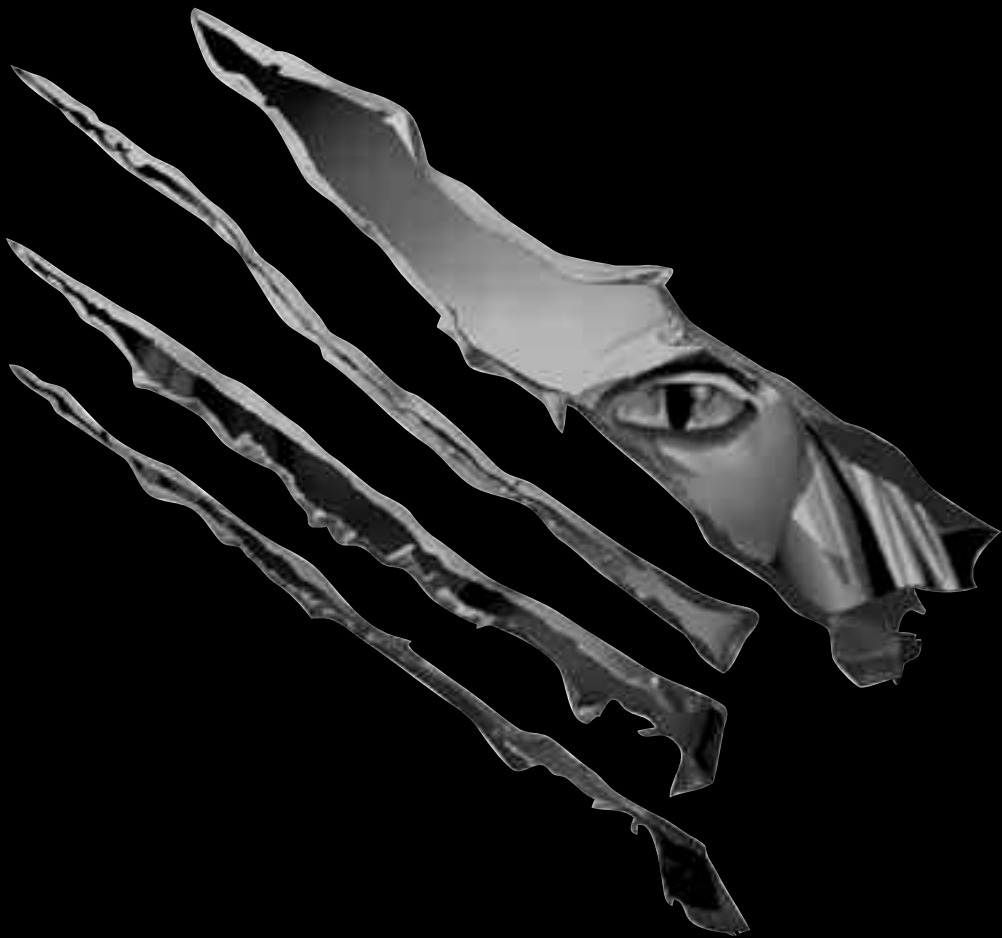
## PRODUCT REGISTRATION

Please register your product online at [www.mutant.uk.com/registration](http://www.mutant.uk.com/registration) to be entered into our free quarterly prize draw. For prize details please visit [www.mutant.uk.com](http://www.mutant.uk.com). You will also have the opportunity to be first to hear of any new Mutant Products.

## RECORD YOUR PRODUCT DETAILS HERE:

Why not attach your receipt here so you can find it should you need it!!!

Model Number: \_\_\_\_\_ Date of Purchase: \_\_\_\_\_



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