

MAD
USER
MANUAL



MAD PM2

PM2-64S & PM2-84S

MADE TO PLAY LOUD

WE PLAY LOUD!!

We know what you want. You want it LOUD, and that is exactly what we do, what we live for. Vibrations, gut-punches and straight up loud music - that's what makes us tick. We won't dress up in fancy words or claim to be something we're not. We are the NO BULLSH!T car audio brand!










Every single product with the GAS logo on it is born out of passion, the same that has driven us for two generations and that will keep us rolling up to your neighbourhood, winning and pushing the limits for many generations to come!

It's up to you to choose your own level of loud, and if you don't like what we do that's OK. You are welcome back when you've had your first true GAS experience. We don't exclude, we don't judge and we do not make up any excuses for who we are.

We are GAS and we are proud to be LOUD!

GAS

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SAFETY

PLAY LOUD & SAFE. Read through this information, follow the instructions and save the manual for future usage and reference.

Make sure to pay attention to the instructions when you see this symbol: 

Do not expose the wiring to your new speaker to excessive damp or moisture. If the speaker's wiring is exposed it might result in electric failure, shock or damage to the product. Servicing is required when the product has been damaged in any way and/or doesn't operate normally. Refer all servicing to qualified service personnel only.

Keep the cables inside the vehicle separate from sharp edges or components that may be affected or take damage. Follow the recommended cable sizes and always use high quality cables and accessories. Even if you're eager to put the speakers to use – take no shortcuts when installing the cables, make sure that all connectors are protected and secured.

Do not drill any holes without checking what lies beneath, and don't cut anything without making sure that no important components risk being damaged.

There is a first time for everything, if you need help – ask a friend or contact your local GAS AUDIO POWER dealer/installer.

We want you to experience your product's MAD sound, but we don't want you to injure yourself or others. Use common sense, respect high pressure levels and volume, and follow your local laws and regulations.

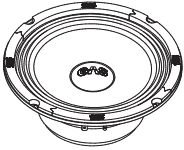
These speakers are not woofers. The speakers should be crossed over as midrange speakers to protect them from damage (deep bass).

Recommended cross over:
HPF @ 85-130Hz (12dB/Oct) for PM2-64S
HPF @ 75-130Hz (12dB/Oct) for PM2-84S



UNPACKING

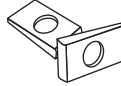
Unboxing your new MAD product is an experience, make sure that the speakers and all the accessories are included in the packaging:



Speakers
(2pcs)



Manual
(1pc)

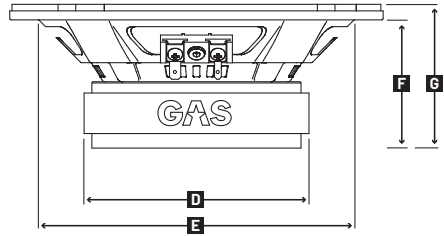
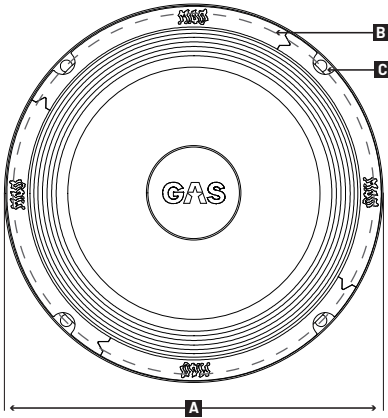


V-type clips
(8pcs)



Screws
(8pcs)

DIMENSIONS



	A	B	C	D	E	F	G	
PM2-64S	Ø166	Ø155	5x6	Ø100	Ø141	59	66	mm
PM2-84S	Ø209	Ø198	5x8	Ø100	Ø176	67	74	mm



SPECIFICATIONS

Below you'll find the specifications that has been checked and tested in our workshop. The specified sensitivity isn't directly connected with the sound pressure in the vehicle, and shouldn't be used as the sole indicator for comparison with other speakers.

MAD PM2-64S	
Component	SPL Midrange
Woofer size	6.5" (165mm)
Nominal impedance	4 Ohm
Power RMS	100W
Power MAX	200W
Freq. response	95-12 500Hz
Sensitivity	94dB
Voice Coil	1.5" KSV
Woofer cone	Reinforced pressed paper
Woofer basket	Steel
Woofer suspension	2R cloth surround
Woofer magnet	HQ Ferrite
Woofer spider	Polycotton
Vas	6.85 L
Qts	0.61
Qes	0.66
Qms	9.52
Re	3.40 Ohm
Fs	95.2 Hz

MAD PM2-84S	
Component	SPL Midrange
Woofer size	8" (200mm)
Nominal impedance	4 Ohm
Power RMS	125W
Power MAX	250W
Freq. response	75-10 000Hz
Sensitivity	95dB
Voice Coil	1.5" KSV
Woofer cone	Reinforced pressed paper
Woofer basket	Steel
Woofer suspension	2R cloth surround
Woofer magnet	HQ Ferrite
Woofer spider	Polycotton
Vas	17.6 L
Qts	0.93
Qes	1.02
Qms	10.49
Re	3.40 Ohm
Fs	76 Hz



FEATURES

The MAD midrange speakers are made to be LOUD and last for years to come. We want to help you and your vehicle to be as LOUD as possible. We've made sure that is the case by using innovative and groundbreaking techniques that increase durability.

LOUD AND PROUD

The MAD PM2-64S/84S doesn't whisper. It shouts. Straight in your face, no excuses. These midrange drivers are built to live LOUD and to let everyone around you know it. SPL is energy, it's community, it's that rush you get when the volume climbs and your chest starts to vibrate. Throw a pair in your doors and you'll understand why people call it a lifestyle.

SLIM BUT SAVAGE

Space is always the problem. You want more speakers. Always more. And with the new slim basket design, the PM2-64S/84S makes that happen. Suddenly you can load your doors with drivers without cutting them to pieces. Easy fit, less stress, more output. Behind that compact look hides a ton of smart engineering. The spider got moved, the layout reworked, all to give you a speaker that opens the door to bigger, crazier SPL builds.

NEW CONE, NEW EDGE

The cone had to change. Slimmer basket, flatter angle, and suddenly the sound opens up. The low end stays strong, while the upper frequencies reach higher and hit harder. You feel the detail slice through when the volume hits max. That's the GAS Audio Power spirit. That's what keeps your music alive, when your friends system's starts to blur into noise.

CLEAN LOUDNESS

Good LOUD is rare. PM2-64S/84S carries a copper shorting ring inside, cutting distortion before it ruins your vibe. That means you can twist the dial, redline the volume, and still get sound that feels sharp and alive. It's the difference between chaos and control, between noise and music.

STACK 'EM UP

One pair? Cute. Two pairs? Better. Eight? Now we're talking. PM2-64S/84S makes it simple with dual gold-plated terminals that beg you to expand. Add more drivers. Add tweeters. Build something ridiculous and stupid. Make us proud. And every time you add another set, the PM2-64S/84S is right there with you, pushing harder, making sure your build gets the attention it deserves.



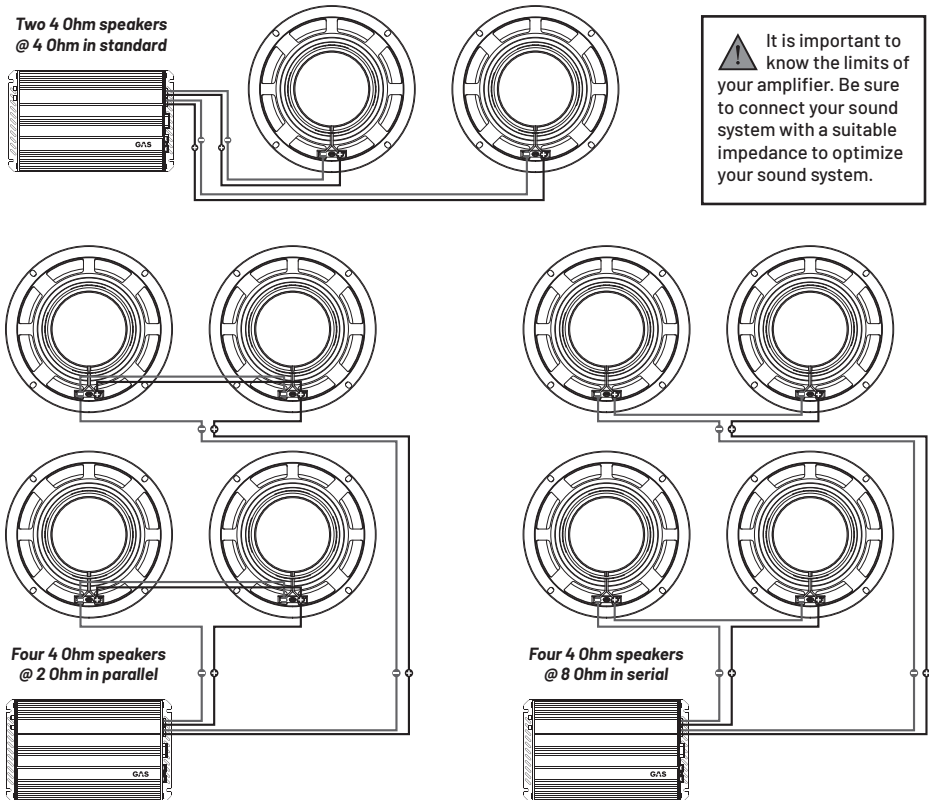
HOW TO

INSTALL SPEAKERS

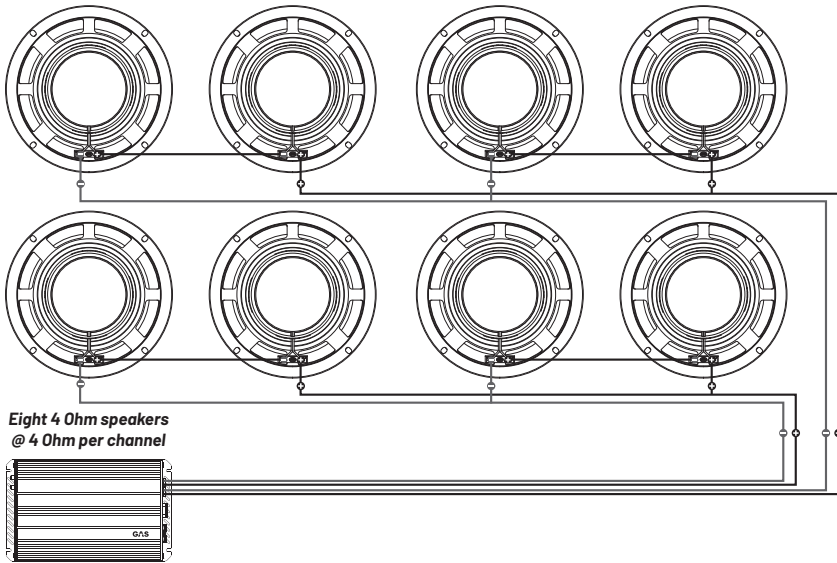
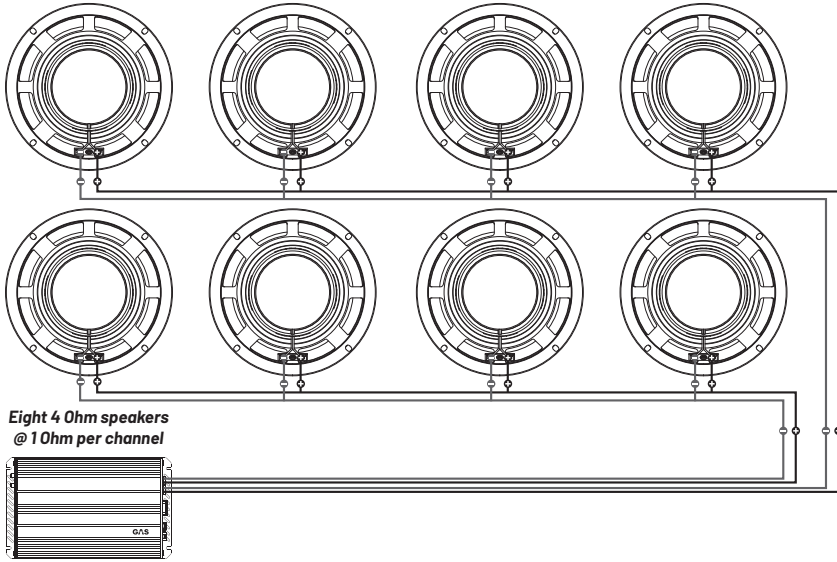
Before installing your brand new speakers, make sure that you have everything you need. Have the right tools ready, and make sure that you have the necessary knowledge/skill to perform the installation properly. Preparation and knowledge is crucial!

The MAD PM2 series uses a single 4 Ohm voice coil. If you want to connect four or more PM2 series speakers, you can vary the impedance by altering the wiring configuration to use a series or parallel setup. The more the merrier!

Make sure to look through the recommended wiring schematics below and choose the setup that corresponds with the number of speakers in your sound system. Take note of the impedance stability of your amplifier. Don't be afraid to consult your local GAS AUDIO POWER dealer/installer if you have any questions.



HOW TO



TROUBLESHOOTING

NO POWER/SOUND

Check the speakers to make sure they're not damaged. If your speakers don't get any power, the most common issue is either in the wiring or in the amplifier. Use a multimeter to measure the amplifier's voltage on the +12V terminal and the remote signal terminal. Use a multimeter to make sure that you have a negative ground connection. Check the built-in fuse (if there's one) on the amplifier. If there's no power coming through - control the fuse on the power cable. If it's intact - make a full check of the wiring to ensure cable integrity.

Check all the speakers connected to your sound system. Check all the speaker cables and all the signal cables. Check your head unit to make sure no settings are limiting the amplifier's functions or the speakers. When all of the above has been tested/looked over, and all is as it should be but there's still no sound, consult your local GAS AUDIO POWER dealer/installer.

UNWANTED NOISE

Start by looking over the speakers in the sound system so there is no damage or connection issue with the wiring. Make sure that your signal cables or speaker cables aren't too close to the power cables. Check your amplifier's grounding point and make sure that the surface is clean. When all of the above has been tested/looked over, and the unwanted noise does not vanish, consult your local GAS AUDIO POWER dealer/installer.

DISTORTION

Start by looking over the speakers in the sound system so there's no damage or connection issue with the wiring. Check the speaker cables to make sure that the polarity isn't reversed on one channel. Check the settings on the amplifier, make sure that the gain/level is set according to the amplifier's instructions. If your amplifier has a boost function, lower its effect or turn it off.



WARRANTY & DISPOSAL

This product is covered by warranty, depending on the conditions in the country where it's sold. If the speaker is returned for service, please include the original dated receipt (or a copy) with the product. Make sure that the head unit is packaged properly and secured, preferably in its original packaging.



The crossed-out wheeie bin symbol means that the product, literature and packaging included must be taken to separate collection at the end of their working life. Don't dispose of these products as unsorted municipal waste: take them for recycling. For info on your nearest recycling point, check with your local waste authority.



This product has been granted with the CE certification mark to show that the product follows the health, safety, and environmental protection standards for products sold within the European Economic Area (EEA).



GAS Audio Power products comply with the relevant provisions of the RoHS Directive for the European Union. In common with all Electrical and Electronic Equipment (EEE) the product shouldn't be disposed of as household waste. Alternative arrangements may apply in other jurisdictions.



GAS Audio Power is a global partner of the European Mobile Media Association, an organization that focus on promoting the custom made mobile media installations to consumers.

THE GAS WORLD

You've entered the world of GAS. We aim to please, and we've made sure to have products made for you. No matter what stage of the LOUD-addiction you might find yourself in, there is a GAS product to fill your need.

MAD

Just starting out? The MAD series is made to play LOUD and to be the express lane to a no bullsh!t sound system that will make sure everyone can hear you coming!

MAX

The MAX series holds products made to deserve the center stage. Powerful, heavy duty and designed to be noticed. We made NO COMPROMISES because we know that you wouldn't accept it.

CMP

The CMP series has been developed for the crucial seconds when the dB-counter starts to tick. All CMP products have hand-picked, high quality, COMPETITION GRADE components and they are specially designed to withstand an awesome amount of power.



THANKS FOR JOINING GAS AUDIO POWER!



GAS
AUDIO POWER

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