



# MAX EQ2

EQ2-9BT

**HARDCORE CAR AUDIO**

## **WE PLAY LOUD!!**

We know what you want. You want it LOUD, and that's 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

**NO COMPROMISES!** Especially when it comes to safety. Before installing your MAX EQ2 series equalizer, make sure that you read through the manual thoroughly and follow the instructions. Save the manual for future usage and reference!

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

Make sure that your vehicle has a 12 VDC voltage negative ground system, that it can handle an increased power consumption.

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 are eager to put the amplifier to use - take no shortcuts when installing the cables, make sure that all connectors are protected and secured, and take your time finding the perfect grounding point.

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

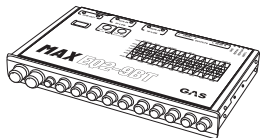
There's a first time for everything, if you need help - ask a friend or contact your local GAS AUDIO POWER dealer/installer.

We want you to experience your products to the MAX, 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.



# UNPACKING

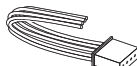
Unboxing your new MAX product is an experience, make sure that the equalizer and all the accessories are included in the packaging:



Equalizer



Manual



Molex cord

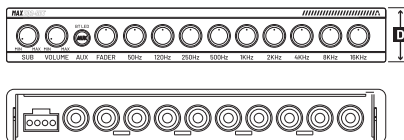
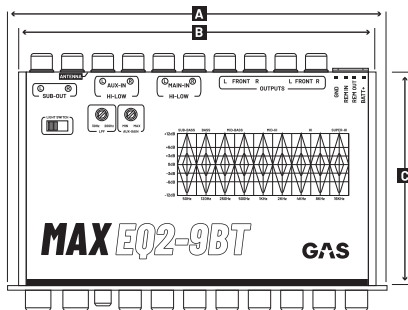


V-clips  
(2pcs)



Screws  
(6pcs)

# DIMENSIONS



	A	B	C	D	
EQ2-9BT	184	179	105	27	mm

# SPECIFICATIONS

We take pride in our work! True, honest specifications and power ratings are an important part of all equalizers. Listening, measuring and engineering are essential parts in our workshop. That's how we make sure to bring you an awesome product with NO BULLSHIT!

## MAX EQ2-9BT

Component	Equalizer with BT
Pre-out channels	3 pairs
Input Mode	Main / AUX / BT
Bluetooth 5.0	Yes
EQ	9 band
EQ Band	50Hz, 120Hz, 250Hz, 500Hz, 1kHz, 2kHz, 4kHz, 8kHz, 16kHz
Freq.Response (+/- 1dB)	10-50 000Hz
RMS output Voltage	6V
THD @ 6V	0,01 %
MAX output Voltage	7V
Boost/Cut	12 dB
S/N ratio	101 dBA
Input Sensitivity	50 mV - 3V
Head Room	20 dB
Input Impedance	20 kOhm
Output Impedance	1k Ohm
Stereo Separation	82 dB/1 kHz
Power Voltage	11-15V
ATO (Auto turn on)	DC-Offset on Hi Level
Rem Output Voltage	12V
Subwoofer Crossover	30-200Hz (18dB/Oct)

## REC. CABLE SIZE

Type	Min. size	Max. size
Power	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>
REM	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>

# FEATURES

If you have this in your hand, you have finally made it. Congratulations! You are ready to take the next step, to enter a world of NO COMPROMISES with an equalizer that will take your car to a whole new level. So get out there and impress the non-believers! Show them that true dedication comes from the inside of your trunk and that “good enough” just doesn’t cut it.

## TWEAK WITH SUPER PRECISION

We’ve taken control to the next level with a powerful and intuitive 9 band graphical. No nonsense and no extra noise added thanks to its high-quality internal components, with exceptional linear frequency response from top to bottom.

## THE QUICK AND EASY WAY

Shape your favorite music according to your liking. Do you want to boost the bass and cut some treble? Or do you want to alter the master volume (or even the subwoofer level)? Why not adjust the fader with awesome precision? This is all at your fingertips with the MAX EQ2-9BT.

## TAKE CONTROL

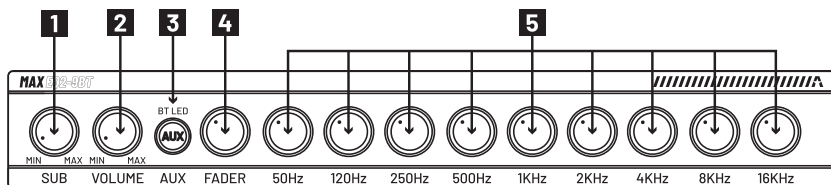
The equalizer should never be the weakest link in your sound system. This powerful EQ features three pairs of 6V (RMS) gold plated and low impedance RCA inputs, high level inputs for easy installation and an automatic turn off system.

## WIRELESS FREEDOM WITH BLUETOOTH 5.0

We live in a digital age and you’re never more than a few taps away from playing a song, a playlist or a collection of awesome beats. Stream directly from your phone, tablet or computer directly to the equalizer via Bluetooth 5.0! Showing off your sound system has never been easier.

# FUNCTIONS

NO COMPROMISES - that's the spirit of the MAX series. The MAX equalizers are made for the enthusiasts out there who crave high precision audio! We know you're itching to get your new sound system going, but make sure to read through these pages - so you can get the most out of your setup!



## 1 SUB LEVEL

Adjust the subwoofer level.

## 2 VOLUME

Adjust the volume. Master setting for your connected sound system.

## 3 AUX BUTTON & BT LED

**AUX BUTTON:** Switch for AUX source. Press once to select auxiliary. Press again to switch back to main input source instead.

**BT LED:** Flashing blue LED light around the AUX button. Indicates when Bluetooth is active.

## 4 FADER

Adjust the sound level between your front and back sound system.

## 5 Band settings

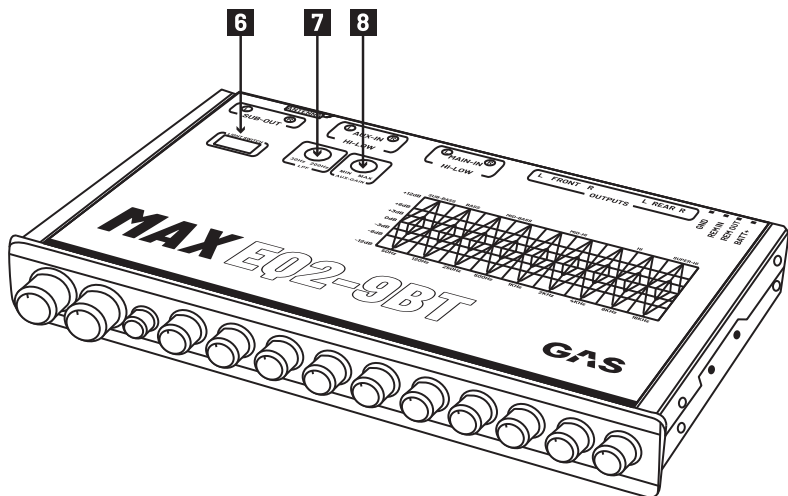
Equalizer gain control knobs to adjust the gain settings. Each band can be adjusted from -12db to +12dB.

The bands are divided on the following knobs:

- 50Hz
- 120Hz
- 250Hz
- 500Hz
- 1kHz
- 2kHz
- 4kHz
- 8kHz
- 16kHz



# FUNCTIONS



## 6 LIGHT SWITCH

Change the illumination color of the equalizer. Choose between white or orange lighting.

## 8 AUX-IN LEVEL

Adjust the level to match the main input from stereo or other device.

## 7 LOW PASS FILTER

Adjust the low pass crossover level. The crossover is adjustable between 30-200Hz (18dB/Oct).

# HOW TO

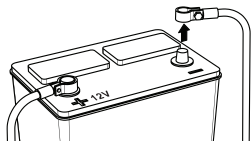
A well-built sound system will set you aside from the rest and elevate your vehicle! It's important that you carefully read the instructions on the following pages. This is to make sure that you install and use the equalizer correctly, for the true MAX EXPERIENCE!

## INSTALL EQUALIZER



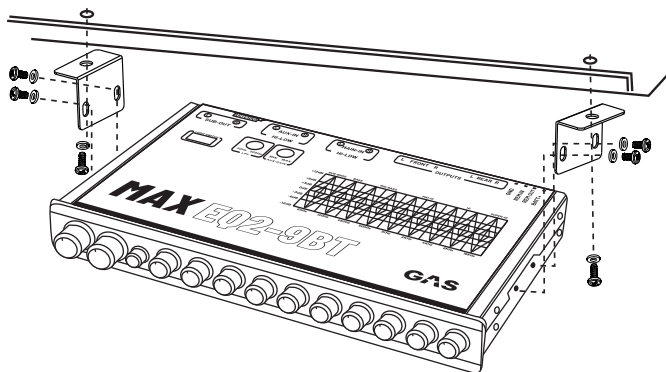
Make sure your vehicle is up to task. You need a 12VDC negative ground electric system and the power source and the alternator should be fully functional and healthy.

**Disconnect and secure the negative terminal from your power source** to eliminate the risk of damaging yourself or the products. Place the negative terminal in a secure position so that it won't accidentally contact the positive or the negative power source post.



**Have all the necessary tools ready and close at hand.** Make sure that the needed wiring accessories are prepared. Your wiring kit should be of the recommended size stated in this manual (see the SPECIFICATION chapter).

**Find the perfect location to place your equalizer!** The EQ2 equalizer can be mounted next to your head unit or under the dashboard using the included mounting brackets. Always use great care when attaching a new product to your vehicle - Check clearances in front, behind and on both sides of the planned installation spot before drilling any holes or installing any screws. Use a Phillips-head screwdriver to mount the unit. The front panel controls should be easily accessible from the driver's seat.

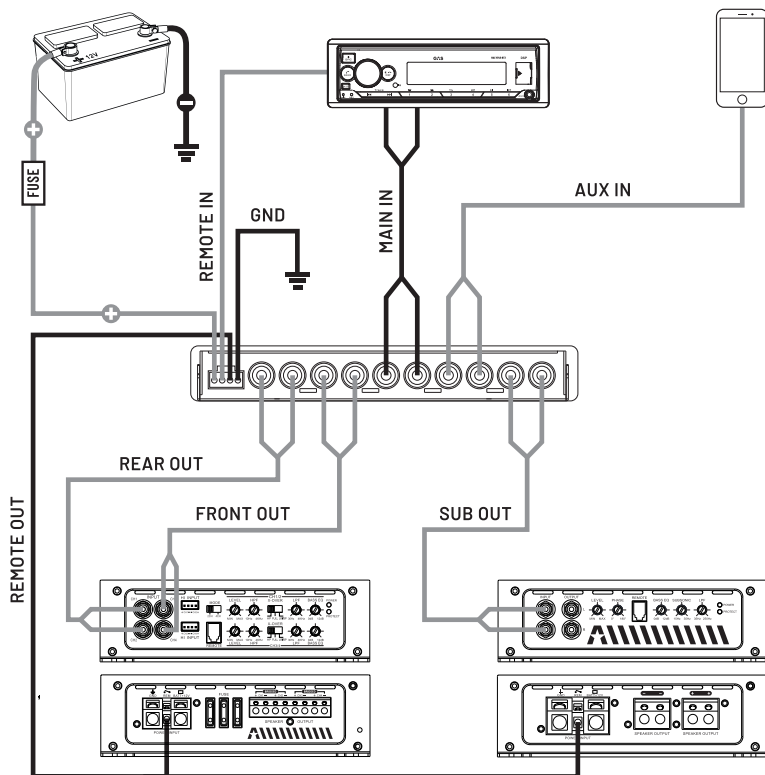


# HOW TO



Always make sure that your full concentration is on the road while you drive. Do not make advanced adjustments on your equalizer's settings while driving.

*Find the best way to run the cables through your vehicle!* This might take some time, and may vary between different models. Preferably the cables shouldn't be visible when you're finished and they shouldn't be placed in a way that they obstruct any of the vehicle's functions or hinder you from operating the vehicle safely. It's also important you don't run the power cable together with the signal cable, since this can cause interference. Make sure to use high quality signal cables to avoid noise problems.



# HOW TO

## EQUALIZER SETTINGS

### SETTING THE SYSTEM VOLUME

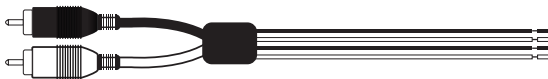
1. Turn the master volume and subwoofer level controls to minimum on GAS EQ2.
2. Turn the source unit on (OEM Stereo) and increase the volume to approx. 70% of full volume.
3. Turn up the master level on the GAS EQ until you hear distortion. Normally 50% is a good value (Straight up).
4. Reduce the volume to just below the distortion level.

This is the maximum usable musical signal for the source unit (OEM Stereo). Turning the volume beyond this point only increases noise and distortion without increasing the music.

**Note!** Once you set the source unit volume, do not change it. Always use the volume on the equalizer as the master volume control. The GAS MAX EQ has most likely better electronic components and a higher S/N than the OEM Source.

### AUTO TURN ON - ATO

Auto turn on function starts the unit, when a Hi-level (Speaker signal) is connected to either MAIN or AUX-inputs. Even if you are paired with your mobile device the unit will start if connected as above. To use the Auto turn on function, you need to use this type of cable:



### ADJUST THE BAND SETTINGS

1. Set all frequencies to center position. The mark on the knob should be at 12 o'clock.
2. Play your favorite music, adjust the controls so it suits your taste.  
**Note:** Stay away from extreme settings, this can lead to distortion in th music.
3. Adjust the equalizer gain control to suit your style.
4. If your system includes a subwoofer, slowly increase the sub level until you get the correct bass level.
5. If your system includes rear speakers, adjust the fader control to add or subtract the level of the rear system

# HOW TO

## SETTING THE LOW PASS FILTER (LPF)

1. Set the adjustable knob to frequency (30-200Hz) of choice for your subwoofer system.
2. Adjust the subwoofer level until you get the desired level of bass.

## CONNECTING AUX-IN

1. Plug in the external player in the AUX RCA input. (Do not Play music yet).
2. Unpress the AUX button on the front panel, make sure the button is out. Ready to receive input from MAIN input. (NOT AUX input).
3. Turn the master volume to normal listening level.
4. Play music from the external device.
5. Press the AUX button on the front.
6. Use a small flat head screwdriver to adjust the level adjustment on the top of the unit. Make sure the AUX source matches the volume of the main source.

## CONNECTING BLUETOOTH

1. Start your sound system and the equalizer.
2. Browse Bluetooth devices on your mobile device and choose the MAX EQ2-9BT equalizer.
3. Set the volume on the mobile device to 75-90% of max (Depending on model). If you can hear distortion, the level on the mobile device should be adjusted just below the distortion level.
4. Use Master Volume to adjust the listening level.

# TROUBLESHOOTING

## NO POWER, NO LIGHTS

- Use a multimeter to check the voltage on the 12V + terminal and REM in.
- Check the fuse on the power cable.
- Check the ground wiring. Use a multimeter to confirm 12V

## NO SOUND

- Wrong input is selected. Press AUX on the front panel to change between Main/Aux input.
- Bluetooth is paired with a device. Unpair or disable Bluetooth on the mobile device.
- Check that all signal cables are correct connected.
- Check speaker wires.
- Check AUX GAIN on the top of MAX EQ

## DISTORTED SOUND

- The source unit may be set too high. Reduce the volume on the source.
- EQ gain controls may be set too high. Re-set the EQ controls to the center.
- Check the settings on the amplifier, make sure that the gain/level is set according to the instruction. Test so lower the gain/level, to hear if the distortion ends.
- Lower the EQ's on the GAS MAX EQ.
- Check the speakers, it might be something wrong with the speakers. Too much EQ can damage a speaker.

## UNWANTED NOISE

- Check the negative grounding point, make sure that the surface is clean and have a pure metal connection. (Ground loop-issues)
- Check that no signal cables are close to the power cables.
- Lower/turn off the Bass EQ function on the amplifier.
- Check your speakers.

When all above is tested/looked over, and all is as it should be. Consult your local GAS AUDIO POWER dealer.

# WARRANTY & DISPOSAL

This product is covered by warranty, depending on the conditions in the country where it's sold. If the equalizer is returned for service, please include the original dated receipt (or a copy) with the product. Make sure that the equalizer 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!



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**AUDIO POWER**

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