

GAS
AUDIO POWER

MAD USER MANUAL



MAD
M100-BT

MADE TO PLAY LOUD



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

TABLE OF CONTENT

 SAFETY.....	3
 UNPACKING.....	4
 DIMENSIONS.....	4
 SPECIFICATIONS.....	5
 FUNCTIONS.....	6
Panel key function.....	6
 HOW TO.....	8
Quick start.....	8
Audio setting.....	10
EQ settings.....	10
Tuner.....	11
Bluetooth.....	12
System.....	13
 TROUBLESHOOTING.....	14
No power.....	14
Unwanted noise.....	14
Distortion.....	14
 WARRANTY & DISPOSAL.....	15
 THE GAS WORLD.....	16



SAFETY

PLAY LOUD & SAFE. Before installing your MAD head unit, 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, and that both the alternator and the power source are healthy and up to the task.

Do not install the head unit where it may be exposed to dirt, excessive damp or moisture. If the head unit is exposed it might result in electric failure, shock or damage to the product. Your head unit will produce heat so make sure it'll have sufficient air circulation. Servicing is required when the product has been damaged in any way and /or doesn't operate normally. Refer all services 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 head unit to use – take no shortcuts when installing the unit, make sure that all connectors are protected and secured.

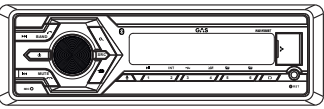
Don't drill any holes without checking what lies beneath, and don't cut anything without making sure that no important components risk being damaged.

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 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.

UNPACKING

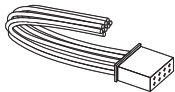
We know you're excited to dive head first into installing your new head unit, but before you do: Make sure that the head unit and all the accessories are included in the packaging.



Head unit



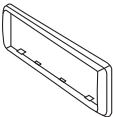
Microphone



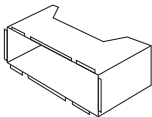
ISO connection
(2 pcs)



Manual



Trim panel

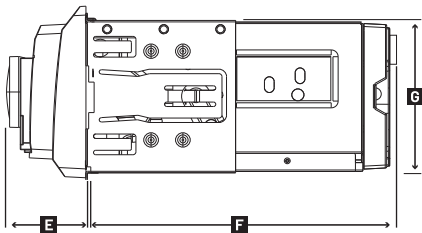
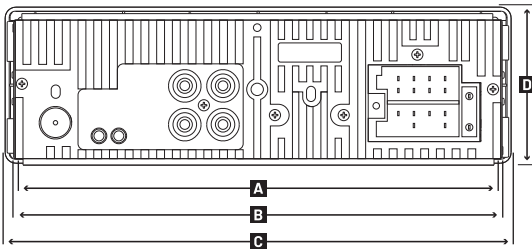


Mounting
sleeve



Removal keys
(2 pcs)

DIMENSIONS



	A	B	C	D	E	F	G	
MAD M100-BT	178	182	188	58	32	111	53	mm

SPECIFICATIONS

We take pride in our work! Listening, measuring and engineering are essential parts in our workshop. That's how we make sure to bring you an awesome product with NO BULLSH!T.

<i>GENERAL</i>	
Power source	14.4V (11-16V)
Maximum current consumption	15A MAX
Operational temp.	-10°C to +60°C
LED backlighting	7 colors
Illuminated buttons	7 colors
Clock	Yes
Memory backup	Yes
Power requirements	12V DC
Weight (net)	0.6kg

<i>BLUETOOTH</i>	
Version	BT 5.3

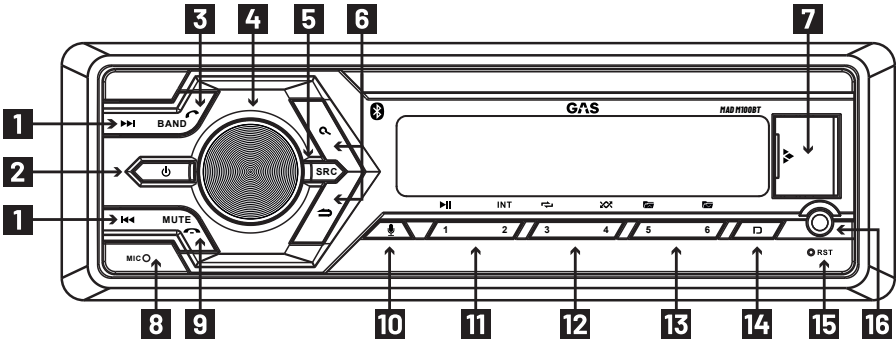
<i>USB / MicroSD</i>	
USB standard	USB1.1, USB 2.0
File system	FAT12/16/32
MP3 decode	Compliant with MPEG1/2 Audio Layer3

<i>AUDIO</i>	
MAX output level	2V RMS
MAX power output	50W x 4ch
Load impedance	4 Ohm
Frequency response	20Hz to 20kHz
Tone Controls	BAS -7dB / +7dB MID -7dB / +7dB TRE -7dB / +7dB
Signal-to-noise ratio	85dB
Separation	80dB

<i>FM RADIO</i>	
Tuning range	87.5-108
IF range	10.7MHz
Usable sensitivity (-30dB)	15dB
Usable-to-noise radio	60dB
Stereo separation	30dB(1 KHz)
Frequency response	30-15000 Hz

FUNCTIONS

We want to help you and your vehicle to be as LOUD as possible. We've packed the head unit with a bunch of interesting features. 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 TRACK

Radio mode: Start/Stop search radio station.

BT mode:

>>| One press: Skip to next track

<< One short press: Jump to the beginning of the track (if the track has played +10 sec, or prev. track).

<<< Press twice: Go to prev. track.

2 ON/OFF

Short press: Switch on device

Long press: Switch off device.

3 BAND / PHONE

Radio mode: Changes to next 6 stored stations.

BT mode: Calling the last dialed number on your mobile phone. Answer incoming Call.

USB mode: Name of the File, Folder, Title, Album, Artist.

4 VOLUME KNOB

Rotate to adjust volume. Navigate up/down in the menus

MENU mode: Press to select.

5 SRC

In operation: Change of source Radio, (USB when USB-drive is connected), Aux in, Bluetooth.

6 SEARCH / BACK

Radio mode

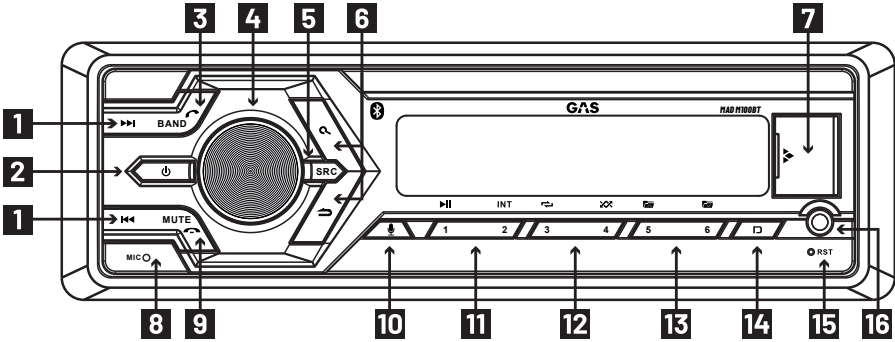
Short press: Station 1

Long press: Search station

MENU mode: Back. Return to the previous menu

USB mode: Jumps to the selected number. Turn Volume knob to find what number on the file, confirm by pushing the knob.


FUNCTIONS




7	MicroSD & USB PORT
	Playback from MicroSD / USB devices and USB charging (5V 1.5A)

8	BUILT-IN MICROPHONE
	Mic. for answering phone calls.

9	MUTE
	Short press: Mute the sound. <i>During phone call:</i> End call.

10	
	Voice control function.

11 12 13	NUMBER BUTTONS (1-6)
	<i>Radio mode:</i> Stored radio stations. <i>USB mode:</i> 1 Paus/Play 2 Int - SCAN ON / SCAN OFF 3 Repeat - Track / Folder / OFF 4 Random Play - ALL / OFF 5 Go to previous folder 6 Go to next folder

14	
	Short press is back to the previous configuration point. Long press is close the display.

15	RESET BUTTON
	Restore to default factory settings of the device. WARNING! All your personal settings will be lost.

16	AUX PORT
	3.5mm external audio input

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 use the head unit correctly, so your system is as LOUD as possible!

QUICK START

1) Press  to start the head unit.

2) Set Clock

- Press Volume knob. Turn until the **[CLOCK SETTING]** menu is shown.
- Press Volume knob to enter the menu.
- Long press the volume knob to set the hours.
- Turn Volume knob to set hour.
- Press Volume knob to confirm hour setting and move on to minutes settings.
- Turn Volume knob to set minutes.
- Press Volume knob to confirm minutes setting and the clock settings.

3) Bluetooth Pairing

- Press SCR until **[BT MODE]** shows in the display
- Open Bluetooth settings on your mobile device.
- Find "MAD M100BT"
- Connect your mobile device to the head unit.

Turn ON/OFF head unit via vehicle ignition

If the car audio system is connected with the vehicle ignition, turning off the ignition key also switches off the device. Switching on the ignition will turn on the device.

Memory function

The head unit has a memory function to store radio channels. The radio channels are stored when the power is turned off and will be shown again once the power is turned on.

Volume adjustments

The volume on the head unit can be adjusted in steps from 0 (min) to 40 (max). Simply adjust the volume either by turning the volume knob on the unit or use the included remote control.

HOW TO

Storing radio station

Select the desired preset with the BAND-button. Set the desired station by pressing one of the preset buttons [1]-[6] for approximately 3 seconds to store the current station at the button. Up to 6 stations can be stored in each bank (there are 3 banks), so up to 18 stations can be stored in total. Press the BAND-button to change memory bank, press the preset buttons [1]-[6] to choose the stored station.

USB/MicroSD media playback

The car audio system can be used to play MP3 files as well as MP3, WMA, ACC, WAV & FLAC files on USB drive. Turn off the car audio system before removing the USB/MicroSD. The source USB is automatically chosen when it is plugged into the head unit. Use the preset buttons [5]-[6] on the head unit to browse through folders. Preset button [3] gives you repeat options (RPT Track, RPT Folder, RPT OFF) and preset button [4] gives you the option to random the playing order of the tracks. Preset button [1] is for Play/Pause and preset button [2] plays the first 10 sec of the chosen track.

Menu options

In the head units main menu there are several settings and options that you can adjust. To get to the main menu, press the volume knob. To browse in the menu, press the volume knob and press it again to select the high lighted menu option. In the menu you will find the options:

- Bass (BAS)
- Midrange (MID)
- Treble (TRE)
- Fader (FAD)
- Balance (BAL)
- Loudness (LOUD)
- Equalizer (EQ)
- Sound tuner (MONO/STEREO)
- FM radio tuner (DX/LOCAL)
- Color settings (USED COLOR)
- Software version (V OCT14)
- Charge function (CHG)
- Clock (00:00)

HOW TO

AUDIO SETTINGS

The audio settings make it possible to adjust the performance of the sound system. Press the Volume knob repeatedly to browse the menu and select the function you want to change. There are six different settings you can adjust. When you have selected a setting, turn the volume knob to change the value. Press the volume knob to confirm the change. Wait a few seconds, the unit will go back to the start menu automatically.

MENU SETTING	FUNCTION	VALUES
[BASS]	Adjust the relative level of bass.	[-7] - [0] - [+7](1dB steps)
[MIDRANGE]	Adjust the relative level of midrange.	[-7] - [0] - [+7](1dB steps)
[TREBLE]	Adjust the relative level of treble.	[-7] - [0] - [+7](1dB steps)
[FADER]	Adjust the relative level between front and back speakers.	[R15] - [0] - [F15](1 steps)
[BALANCE]	Adjust the relative level between left and right speakers.	[L15] - [0] - [R15](1 steps)
[LOUDNESS]	Raises lower and higher frequencies. Only use on low volumes.	OFF, LEVEL 1, LEVEL 2

EQ SETTINGS

Toggle on/off between the pre-set EQ levels: POP, ROCK, JAZZ or CLASSIC.

HOW TO

TUNER

This menu setting includes options to adjust the settings of the head unit's FM radio. Press the Volume knob repeatedly to browse the menu and select the function you want to change. When you have selected a setting, turn the volume knob to change the value. Press the volume knob to confirm the change. Wait a few seconds, the unit will go back to the start menu automatically.

MENU SETTING	FUNCTION	VALUES
[MONO/STEREO]	Mono setting improves the FM reception, but the stereo effect may be lost. Choose The stereo setting for better sound quality and stereo sound.	MONO, STEREO
[DX/LOCAL]	Adjusts the sensitivity when the scan/seek function is used. With Local activated the scan/seek will stop on weaker stations/signals located nearby. When DX is activated the scan/seek will stop on more powerful stations/signals from far away.	DX, LOCAL

HOW TO

BLUETOOTH FUNCTIONS

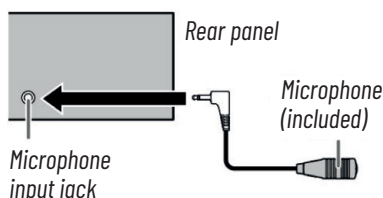
The Bluetooth® function allows pairing cell phones & BT equipped media playback devices with the car audio system. When you connect a cell phone with the car audio system, you can make phone calls with the built-in hands free function. You can access the last dialed number in you mobile device.

If the connected Bluetooth® device supports functions like A2DP and AVRCP, you can play music via the car audio system and control playback. During a call, music playback is interrupted and resumes again after the call.

If a cell phone is registered via Bluetooth® and a call is received during playback, the source playback is interrupted and the call menu is displayed. To get the best quality in the conversation, it's recommended to use the external microphone.

Connect the microphone to the head unit. To capture your voice during handsfree calling, you need to install the microphone. The cable is 2.95m long.

Mount the microphone as close to the driving position as possible. The cord must be safely installed.



CONNECTING BLUETOOTH DEVICE

Press the SRC button until you get to the [BLUETOOTH] option. Find "MAD M100BT" in the list of Bluetooth devices on your mobile phone and select it to connect.

After connecting your mobile phone to the head unit via Bluetooth, you can press the [📞] button to use the voice control function of the mobile phone to control various functions.

HANDS-FREE PHONE CALLS

GAS MAD M100-BT head unit handles hands-free phone calls with the external or internal microphone. When you receive an incoming phone call, you simply answer by pressing the ["PHONE"/ BAND] button on the head. To end the phone call you press the [MUTE] button on the head unit.

If you wish to make a phone call directly through the MAD M100-BT head unit, press the ["PHONE"/ BAND] button on the unit to call the latest phone number in your call-log.

HOW TO

SYSTEM

The menu include options to adjust the unit's system settings. Use the volume knob to browse the menu and select between the system options. Press the Volume knob repeatedly to browse the menu and select the function you want to change. When you have selected a setting, turn the volume knob to change the value. Press the volume knob to confirm the change. Wait a few seconds, the unit will go back to the start menu automatically.

MENU SETTING	FUNCTION	VALUES
[COLOR SETTINGS]	Choose color on the display text and buttons.	AUTO, RED, YELLOW, WHITE, GREEN, CYAN, BLUE, PURPLE
[SOFTWARE VERSION]	Installed software version	V OCT 14 (from factory)
[CHG]	Charge function for Samsung devices.	ON, OFF
[CLOCK]	Time shown on unit's display.	TIME 24H

TROUBLESHOOTING

NO POWER

Check the head unit to make sure it isn't damaged. If your system doesn't get any power, the most common issue is either in the wiring or the fuse. Use a multimeter to measure the head unit voltages, both yellow and red cable (+12-16V)

Check that all speaker cables are connected to your sound system. If you are using a car specific cable harness, make sure it is for your car model. Most modern cars have some kind of CAN-Bus system to start the OEM head unit, for these cars a special CAN-Bus harness is needed. Make sure that the RCA cables are properly connected if external amplifier is used and that you have 12V remote on the external amplifier.

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. If the noise changes with the accelerator, it is most certain a ground loop issue. Make sure that the grounding point is good, especially if an external amplifier is used.

When all of the above has been tested/looked over, and the unwanted noise does not vanish, consult your local GAS dealer.

DISTORTION

Start by looking over the installation and all cables 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. If an external amplifier is used, 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 subwoofer is returned for service, please include the original dated receipt (or a copy) with the product. Make sure that the subwoofer is packaged properly and secured, preferably in its original packaging.



The crossed-out wheellie 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

GAS AUDIO POWER and SHAKY are registered trademarks by Winn Scandinavia AB and is protected by relevant laws and jurisdictions such as Copyright and Trademark laws.

Winn Scandinavia AB | Idrottsvägen 37, 70232 Örebro, Sweden | www.winnscandinavia.com

Winn Scandinavia AB reserves for possible typos, factual or numeric errors that may have been printed on any products, package designs, user manuals and/or other included accessories.

Winn Scandinavia AB can't guarantee flawless function/performance of our products together with third-party accessories and products like USB data carriers, MicroSD cards, cables, etc.



GAS
AUDIO POWER