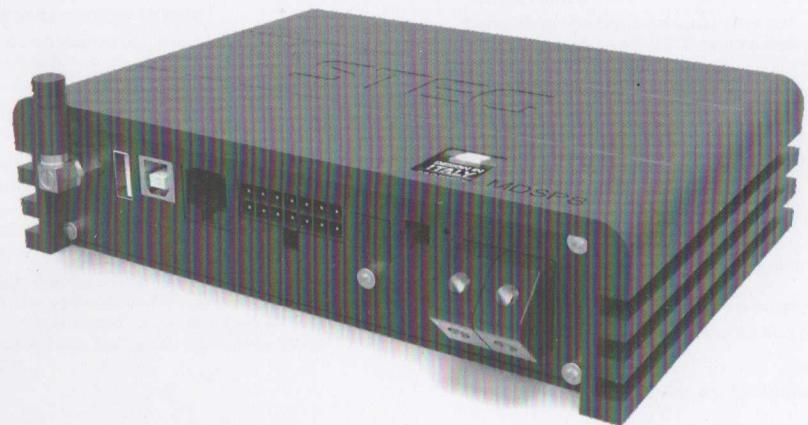


**STEG**  
Italy

# MDSP8

## OWNER MANUAL DSP CAR POWER AMPLIFIERS



- Please read this quick guide before using the product
- For detailed tuning operations and settings, please refer to the MDSP8 user manual on the website
- <http://www.gt-trading.it>



## Warning

This symbol indicates important instructions. Failure to pay attention may result in serious injury or death to persons.

### If a problem occurs, stop using it immediately

Failure to do so may result in personal injury or damage to this product. Please return the product to an authorised dealer or to the nearest service centre for repair.

### This product is only suitable for use in vehicles with a negative 12V ground

Failure to do so may cause a fire or other accident.

### Wiring and installation by professionals

Wiring and installation of this product requires specialist skills and experience. For safety reasons, please contact the dealer from whom you purchased the product for installation.

### Do not disassemble or modify

Failure to do so may result in an accident, fire or electric shock.

### Small objects such as bolts or screws should be kept out of the reach of children

Swallowing small objects can lead to serious injury. If swallowed, seek immediate medical attention.

### Do not use any function that will distract you while driving

Any function that interferes with your concentration should only be used when the car is fully stopped. If you wish to use these functions, park the vehicle in a safe place first. Failure to do so may result in an accident.

**It is important to keep the volume at a level where you can still hear the noise outside the vehicle while driving.**

Not being able to hear emergency vehicle sirens and road warnings (train crossings etc.) is very dangerous and can lead to accidents. In addition, excessive noise levels can lead to hearing damage.



## Note

This symbol indicates important instructions. Failure to pay attention may result in serious injury or death to persons.

### Product cleaning

Please use a dry, soft cloth to clean the product regularly. If the pollution is difficult to remove, please use water to wet the soft cloth. Other electronics cleaners can also be used.

### Temperature

Make sure the temperature in the car is between +60 and -20°C before switching on the machine.

### Repairs

If you encounter a problem, do not repair it yourself. Please take the product to your authorized dealer or a nearby service centre for repair.

### Installation Location

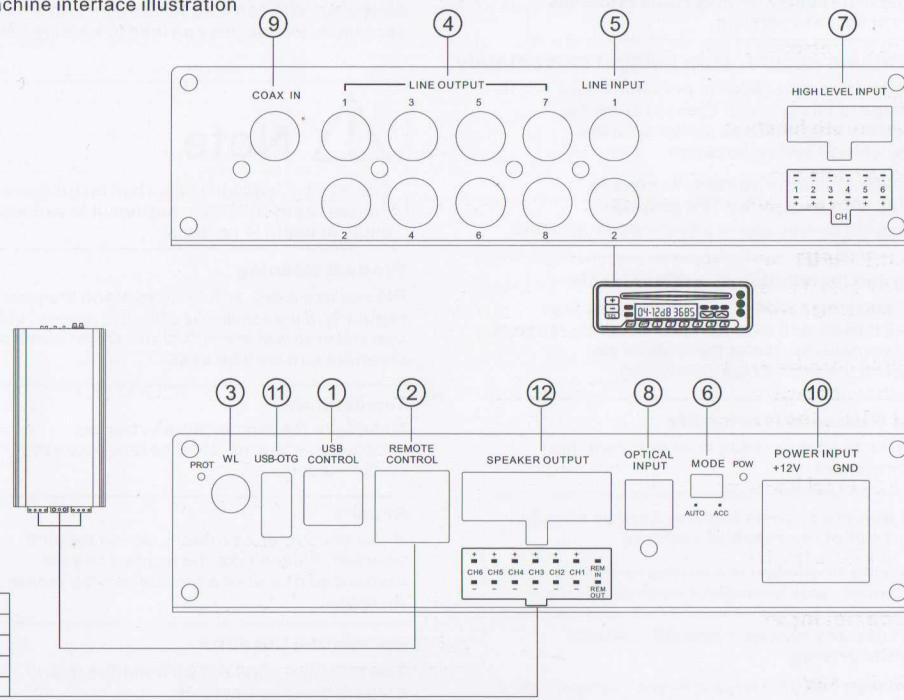
The machine must not be installed in any of the following locations.

- near direct sunlight and heat sources
- Places with high temperatures and near water sources
- Dusty places
- places subject to severe vibrations

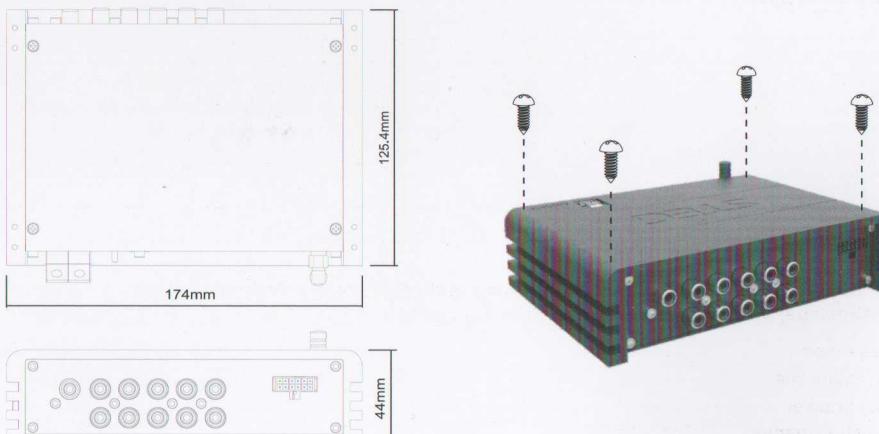
\*Disposal of electronic products should be through proper recycling channels to reduce e-waste pollution.

# Machine Introduction

## Machine interface illustration



## Dimension Installation instruction



\*The machine has built-in Bluetooth

## Introduction to machine interfaces and functions

### ① USB port

It can be connected to a PC via USB cable for detailed tuning operations and settings.

### ② DRC controller input

### ③ WL

Bluetooth function

### ④ RCA audio output connector

8 sets of RCA audio signal outputs for connection to external amplifiers.

### ⑤ LINE INPUT audio input connector

LINE INPUT audio signal inputs, can be connected to the LINE INPUT audio signal output of the car CD/DVD player.

### ⑥ Input selector switch.

When the switch is set to "ACC", the machine is started by ACC; when the switch is set to "AUTO", the machine is started by the high level input signal FL-/FL+.

### ⑦ High level input

|           |           |
|-----------|-----------|
| 1 INPUT + | 1 INPUT - |
| 2 INPUT + | 2 INPUT - |
| 3 INPUT + | 3 INPUT - |
| 4 INPUT + | 4 INPUT - |
| 5 INPUT + | 5 INPUT - |
| 6 INPUT + | 6 INPUT - |
| 7 INPUT + | 7 INPUT - |
| 8 INPUT + | 8 INPUT - |

### ⑧ OPTICAL INPUT

### ⑨ Coaxial input

### ⑩ GND +12V

### ⑪ OTG input interface, USB input

### ⑫ SPEAKER OUTPUT

| SPEAKER OUTPUTS<br>CH1-CH6 |           |
|----------------------------|-----------|
| REMIN                      | REOUT     |
| CH1 OUT -                  | CH1 OUT + |
| CH2 OUT -                  | CH2 OUT + |
| CH3 OUT -                  | CH3 OUT + |
| CH4 OUT -                  | CH4 OUT + |
| CH5 OUT -                  | CH5 OUT + |
| CH6 OUT -                  | CH6 OUT + |

## Accessory list

The following accessories should be included in the MDSP8 box. If there is any shortage, please contact the authorized supplier.

| Accessories        | Quantity |
|--------------------|----------|
| Input output line  | 1 unit   |
| Fixing bracket     | 4 pcs    |
| Instruction manual | 2 books  |

# Specification

|                                     |   |
|-------------------------------------|---|
| HI-End level components             | AKM7735 high-performance DSP chip   |
| Input channel                       | 6 high-level inputs, 2-channel RCA input(Reuse 1 and 2 high-level inputs)<br>Fiber optic input, coaxial input<br>OTG input, USB input<br>Bluetooth input                          |
| High level input combined frequency | Each channel supports up to 6 independent input combined frequencies  |
| Bluetooth                           | Bluetooth 5.0   |
| Output channel                      | 6 high-level outputs, 8 RCA outputs   |
| Amplifier output                    | D-class amplifier: 6CH x 50W (4Ω,14.4V, 1kHz, 1%THD)  |
| Signal to noise                     | ≥100dB  |
| Total ramp distortion               | ≤0.01%  |
| Input sensitivity                   | RCA/Cinch : 1-8V    High level: 8-32V   |
| Input impedance                     | RCA/Cinch : 22k    High level: 3.3-100Ω   |
| RCA output voltage                  | 1.5v  |
| Operating Voltage                   | 9~18V   |
| Input channel equalizer             | Each input channel has an independent 5-segment equalizer<br>Filter type: ALLPASS (all pass filter)<br>Center frequency point: 20Hz~20KHz<br>Q value: 0.3~15<br>Gain: -15db~+15db |
| Output signal divider               | Each channel is independently adjustable<br>Filter type: Butterworth/Nink-Rein/Bessel<br>Filter frequency: 20Hz~20KHz<br>Filter slope: 6dB/Oct~48dB/Oct                           |
| Output channel equalizer            | Each channel has an independent 31 segment equalizer<br>Filter type: ALLPASS (all pass filter)<br>Center frequency point: 20Hz~20KHz<br>Q value: 0.3~15<br>Gain: -15dB~+15dB      |
| Equalizer joint debugging mode      | Independent adjustment / absolute linkage adjustment / relative linkage adjustment / crossover point linkage adjustment   |
| Output polarity                     | Each channel is independently adjustable: positive/negative   |
| Output delay                        | Independent adjustment for each channel: 0~20ms   |

|                     |  |
|---------------------|--|
| Output volume       | Single channel output volume: mute, -40dB~0dB<br>Single channel subwoofer: mute, -40dB~0dB<br>Total volume of subwoofer: mute, -40dB~+12dB<br>Total volume adjustment: mute, -40dB~+12dB |
| Line control extend | Mode selection, total volume control, bass total volume control  |
| Computer tuning     | Windows system, XP system, USB interface, no drive required  |

## Harmful substance composition

Name and content of harmful substances or elements in the product.

| Component name           | Harmful substance or element |    |    |        |     |      |
|--------------------------|------------------------------|----|----|--------|-----|------|
|                          | Pb                           | Hg | Cd | Cr(VI) | PBB | PBDE |
| Circuit board components | X                            | O  | O  | O      | O   | O    |
| Housing components       | O                            | O  | O  | O      | O   | O    |
| Display components x     | X                            | O  | O  | O      | O   | O    |
| Accessories x            | X                            | O  | O  | O      | O   | O    |

This form is prepared in accordance with the requirements of SJ/T 11364

O: Indicates that the content of the hazardous substance in all homogeneous materials of the part is below the limit requirements specified in GB/T 26572

X: means that the content of the hazardous substance in at least one homogeneous material of the part exceeds the limit specified in GB/T 26572.

Components marked with an "x" have been found to exceed the limit because there is currently no proven alternative technology available to the industry.

## Repair Station Information

•For inquiries regarding repairs, please refer to the "Repair Station Information" below.

•The name, telephone number and address of the repair station are subject to change.

| No | Repair Station | Address   | Contact person | Phone number |
|----|----------------|---|----------------|--------------|
| 01 | Foshan, China  | 602, 6th Floor, Building 1, Nanlian East U Valley Headquarters Economic Port, Guicheng Street, Nanhui District, Foshan City, Guangdong, China | Miss Deng      | 19866009958  |