

# MASSIVE<sup>®</sup>

OEM AUDIO INTERFACE PROCESSOR

## FLAT LINE<sup>®</sup>



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# INTRODUCTION:

## Congratulations !

Thank you for purchasing the MASSIVE FLATLINE, an eight-channel, high-performance, line-output converter. This unique product will accept two, four, six or eight channels of speaker-level signal from a factory-installed amplifier or source unit and convert it to a high-quality, low-noise pre-amp signal. Now you own an ideal OEM (Original Equipment Manufacturer) interface component which will allow you to use your factory-installed source unit but give you the ability to add aftermarket amplifier(s) and processor(s). You will definitely enjoy how great the FLATLINE will make your performance system sound.

MASSIVE products are the result of advanced craftsmanship which uses the highest quality components and strict quality control standards in order to provide you with a long joyful listening journey.

Please read this manual thoroughly to ensure that you can get the maximum benefit from this new component. When installed properly, this unit will provide with you years of trouble-free performance. To install and use this component properly, please record the following information which will help you protect your investment.

Model # \_\_\_\_\_

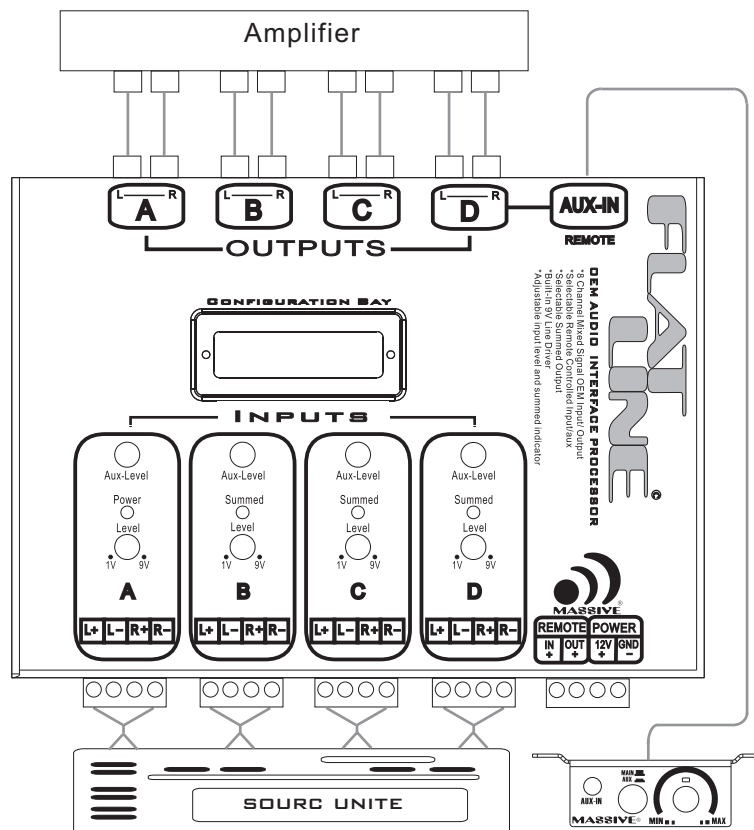
Dealer name : \_\_\_\_\_

Date of purchase : \_\_\_\_\_

Installation place and date : \_\_\_\_\_

# DESIGN FEATURES

- ☒ 8-Channel Mixed Signal OEM Input/Output
- ☒ Speaker-level Inputs – Will accept 300+ watts of signal!
- ☒ Signal-auto-sensing Inputs
- ☒ Selectable Summed Output
- ☒ Selectable Remote Controlled Input/Aux
- ☒ Level Matching Controls
- ☒ Built-in 9V Line Driver .
- ☒ Input For Optional Subwoofer Level Control
- ☒ Adjustable Input Level and Summed Indicator



# FLATLINE FUNCTIONS

## 1 RCA audio-output

Connect high quality RCA connectors from these outputs to the inputs of your amplifiers. While we won't get into the discussion as to whether plutonium cables sound better than un-obtainium cables but we will tell you that well-constructed cables are less problematic in rugged environments like your car. Connect your amplifier correctly which means plus to plus and minus to minus, left-CH to left-CH and right-CH to right-CH, According to the indication on the cover.

## 2 AUX -Input

Connect with the remote component. It receives remote control signals and aux-in audio signals from the remote device.

## 3 Summing & grounding switch

Remove the cover, you can place the switch on or off as you like by consulting the instructions on the cover. Under the cover are connection switches that allow the Main outputs of the FLATLINE to receive signals from the inputs of Channel pairs B, C, and/or D. These switches allow you to select what input signals will be summed into the main output. When one of the switches are in the Summed position, the corresponding red indicator light on the front of the FLATLINE will be illuminated.

The grounding switch is for setting different ground modes to avoid ground loop noise. If you have ground noise trouble, you may change the setting to solve this problem. The default value is set to 200 Ohm.

## 4 Aux level Control

Adjust the output level of each channel for Aux-In device. These knobs allow you to set different output levels for each channel when you switch the input from main to Aux-input.

## 5 Power indicator

Indicator light for the power. It will be lit when FLATLINE is on.

## 6 Summing indicator

Summing indicator light. These indicator LED's let you know which channels are being summed into the main inputs.

## 7 Level controls

You can match your aftermarket amplifiers input level with the factory-installed source unit or amplifier level by tuning these knobs.

## 8 Speaker-Level Inputs

FLATLINE is designed to accept an amplified, speaker-level signal from a factory source unit or amplifier. You will want to refer to a factory service manual or wiring-harness schematic to determine which wires are the speaker wires for your system. If you are unsure which wires are the speaker wires, it is recommended you look at the color of the speaker wire connected to the speakers and follow them back to the factory source or amplifier. Connect the speaker wires to the Speaker-Level Inputs on your FLATLINE.

The FLATLINE has an auto-sensing turn function, it will automatically start working when the signal is available on channel-A input. Please connect input to channel-A if you want to activate this function.

## 9 Power and remote connector

FLATLINE can be switched on and off automatically with the source unit. Remote-In should be connected to the source units Remote-Out terminal and will power on the FLATLINE when the source unit is active. When the source unit does not have an active remote out signal the FLATLINE can start working automatically when there is a signal on channel A input (**RCA signal must have 2 volt minimum for turn on**). The FLATLINE will also automatically turn off if there is no signal for more than 14 seconds.

Remote out signal will activate when FLATLINE is on. You can use this signal to turn on/off after the amplifier installed by connecting this signal to amplifier's remote in terminal.

The +12V and Ground terminal is the main power supply for the FLATLINE, A 10A inline fuse must be installed near the battery "+" terminal of 20CM, the ground terminal should be connected to a massive grounding point of car chassis.

## 10 Aux-in terminal

You can enjoy music from your Mp3, I-POD™ and other source units by easily plugging into this 3.5mm input terminal.

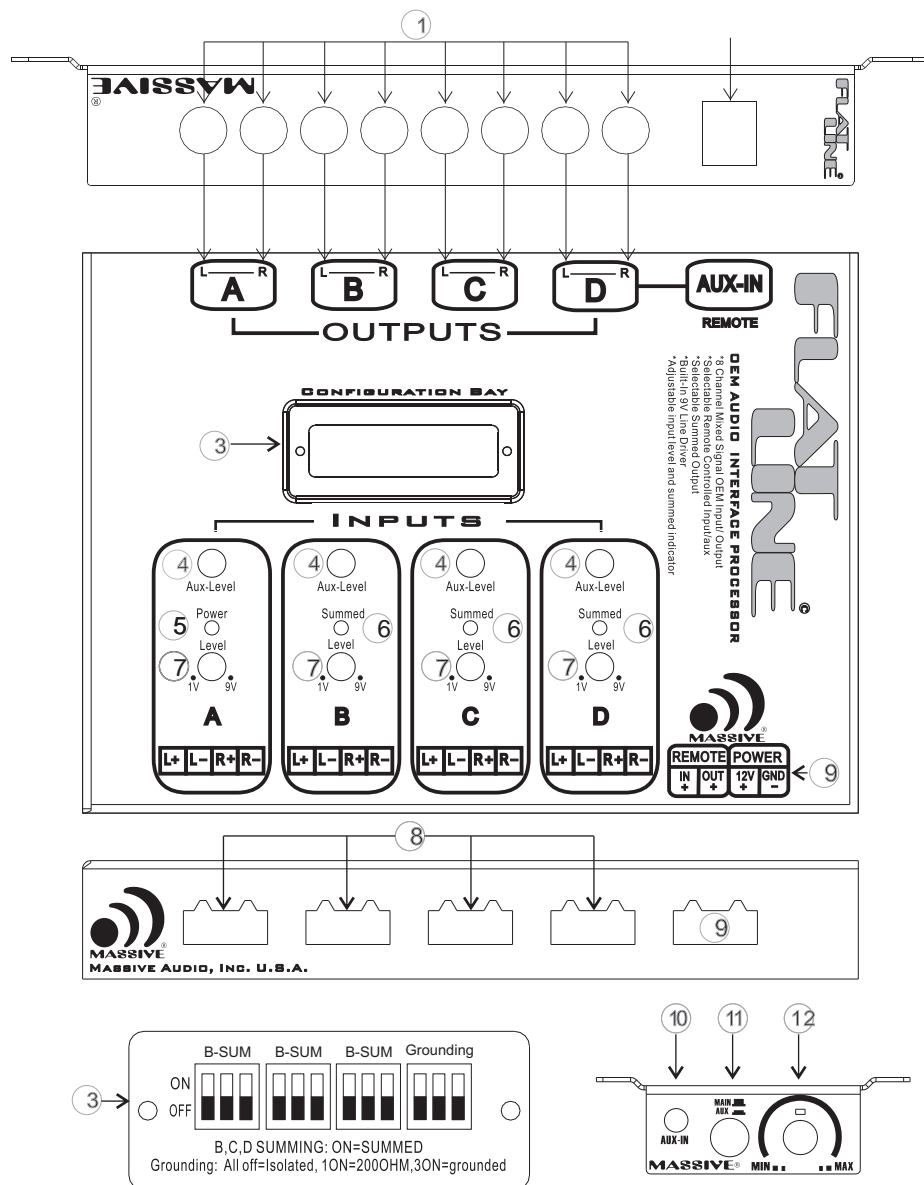
## 11 Aux-in selector

Select the signal path from the main input or AUX input by pressing this button.

## 12 Aux input level control

Adjust the Aux input main level. This function lets you easily adjust aux-in volume by tuning this knob.

# FLATLINE FUNCTIONS



# WARRANTY

- Massive Audio, Inc. warrants all manufactured products to be free from defect in material and workmanship for a period not to exceed **TWO YEARS\*** from the date of original purchase when installed by an authorized “Massive Audio” dealer. Units that are not installed by an authorized “Massive Audio” dealer maintain a warranty not to exceed 90 days from the original purchase date by the original purchaser.
- Products that display abuse such as power deficiency, over driving the processor or clipping the input require purchase of new PCB for replacement.
- “Massive Audio” obligations under this warranty are limited to repairing or replacing, at its own sole option, any such defective products. This warranty does not apply to equipment that has been damaged by accident, negligence, or misapplication or has been altered or modified in anyway. This warranty applies only to the original purchaser who must have properly registered the product within 10 days of purchase.

*Except as provided herein, Massive Audio, Inc. makes no warranties or representations, express or implied, including any warranty implied by law, whether for merchantability or fitness for a particular purpose and shall be effective only for the period that this express warranty is effective. SEE THE WARRANTY REGISTRATION CARD TO ADDITIONAL INFORMATION.*

\*DUE TO CONSTANT IMPROVEMENT PRICES AND SPECS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTIFICATION.