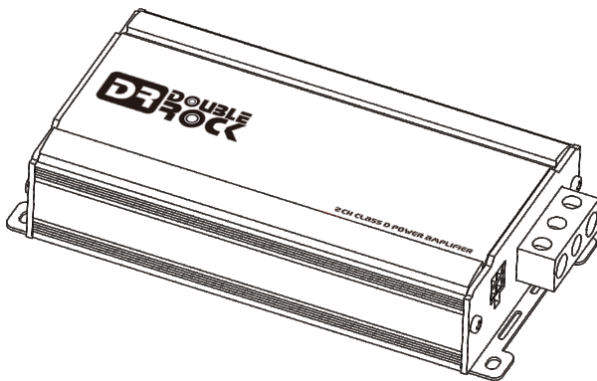




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# Car Amplifier



**2D39**

**4B39**

## **OWNER'S MANUAL**

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Please read carefully before using

## INTRODUCTION

Please read owner's manual carefully before using. To familiar with products functions and features. Sincerely hope 39 series products will provide maximum listening pleasure that ultra your imagination. If there are any questions when you are using this products, please feel free to contact the Authorized Distributor of TianYi Electronics Co.,Ltd.

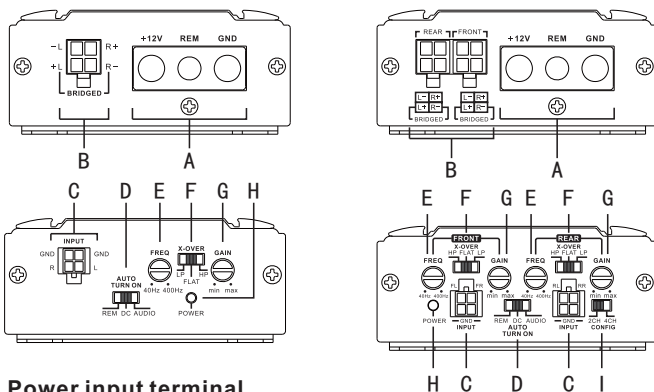
## PACKING LIST

- Car audio Amplifier.....1pcs
- Owner's Manual.....1pcs
- Warranty card.....1pcs
- Exclusively cables for input/output connection (2D39:1 set/ 4B39:2 sets)
- Screw parts .....1set

## CAUTION

- Please don't operate on products when you are driving.
- To drive safely and protect your hearing, please set the audio volume until you can hear the outside car horns clearly.
- Please don't repair and change products by yourself.
- Please use professional car power supply (@12V) to connect products.
- Must use professional cables and fuses (maximum of 40A ).
- Do not mount the products to any area that may have excessive damp.
- Products was designed to heat dissipation by heatsink, Position the amplifier in an area that receives sufficient airflow for proper heat dissipation.
- Make sure cables without any problem then install and connect to the Positive and Negative of products.
- If there are any questions, please stop using products and disconnecting to the car power supply.
- Please ask professionals for installing.
- Please use certified tools to install.
- The products is high power appliance, please start the vehicle when using, Avoid the difficulty of causing the vehicle to start by using too much electricity.
- When car disused for long time, please take off the fuse which is in amplifier connection wire.
- The products with built-in level translateor and auto power on&off automatically.

## APPLICATION OF CONNECTORS AND CONTROLS



### A. Power input terminal

**+12V** through fuse jack connect to batter positive. Better to use copper core ( $\varnothing \geq 7.5\text{mm}$ ), keep the connection wire length as short as possible.

**REM** remote switch, connect to speaker REMOTE.

**GND** connect to car body firmly. Better to use copper core ( $\varnothing \geq 7.5\text{mm}$ ) keep the connection wire length as short as possible.

### B. Power signal output terminal

### C. Sound source signal input terminal

(high level signal input/ low level signal input)

### D. Auto power on/off switch

**REM**: Connect to REM control the turn on.

**DC** : High level signal input control the turn on. (DC offset)

**AUDIO**: Audio frequency input control the turn on.

### E. High pass / Low pass filter switch

When switch set on **HP**, it is for amplifier output frequency lower limit regulator;

When switch set on **LP**, it is for amplifier output frequency upper limit regulator.

### F. Filter switch

**HP**: High pass filter; **FLAT**: Full range band; **LP**: Low pass filter

### G. Sensitivity switch (min: minimum/max: maximum)

### H. Indicator

### I. 2CH/4CH input selector switch

**2CH**: Applicable to connect the audio equipment which with 2 channels output. (Audio equipment connect to FL/FR input terminal, will get 4 channels power output)

**4CH**: Applicable to connect the audio equipment which with 4 channels output.

## FEATURES

- Advanced IR digital design.
- SMD process with 4 layer circuit PCB design.
- Three star-up modes selectable REM / DC offset/AUDIO.
- Multiple ways of protection (thermal /over-current/short circuit )
- Compact sized dimension,high operating efficiency.

## SPECIFICATIONS/STATEMENT

### 2D39

**Amplifier Power:** RMS 100Wx2 ( 4 $\Omega$  ) /160Wx2(2 $\Omega$  )  
320Wx1 ( 4 $\Omega$ Bridge ) ( fo=1KHz THD+N=1% )

**High Pass/Low Pass Filter:** 12dB/oct

**THD:**  $\leq$ 0.08%

**Frequency Response:** 20Hz-20KHz

**Input Range:** 200mV-10V

**Signal to Noise:**  $\geq$ 90dB

**Working Voltage:** DC14.4V (Voltage Range 10-16V)

**Dimensions:** 175mm x 85mm x 37mm

**Net Weight:** 0.7 KG

**Gross Weight:** 1.0 KG

### 4B39

**Amplifier Power:** RMS 60Wx4 ( 4 $\Omega$  ) /100Wx4(2 $\Omega$  )  
200Wx2 ( 4 $\Omega$ Bridge ) ( fo=1KHz THD+N=1% )

**High Pass/Low Pass Filter:** 12dB/oct

**THD:**  $\leq$ 0.08%

**Frequency Response:** 20Hz-20KHz

**Input Range:** 200mV-10V

**Signal to Noise:**  $\geq$ 90dB

**Working Voltage:** DC14.4V (Voltage Range 10-16V)

**Dimensions:** 202mm x 85mm x 37mm

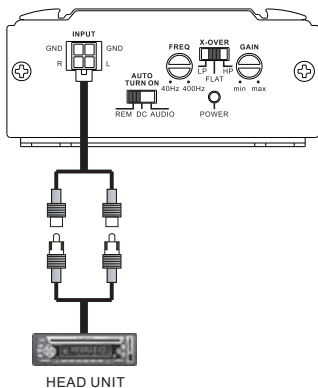
**Net Weight:** 1.0 KG

**Gross Weight:** 1.3 KG

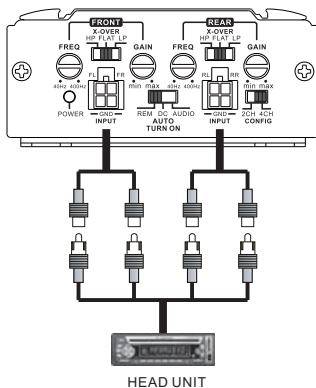
# CONNECTION DIAGRAM

## AMPLIFIER RCA INPUT CONNECTION DIAGRAM

### 2D39

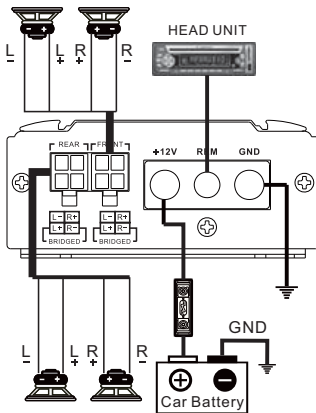
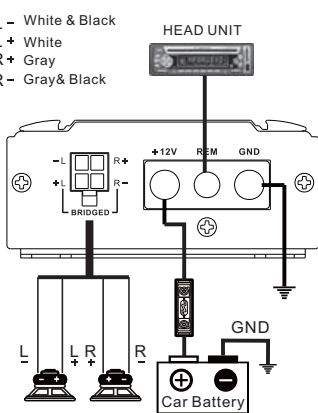


### 4B39



## SPEAKER CONNECTION DIAGRAM

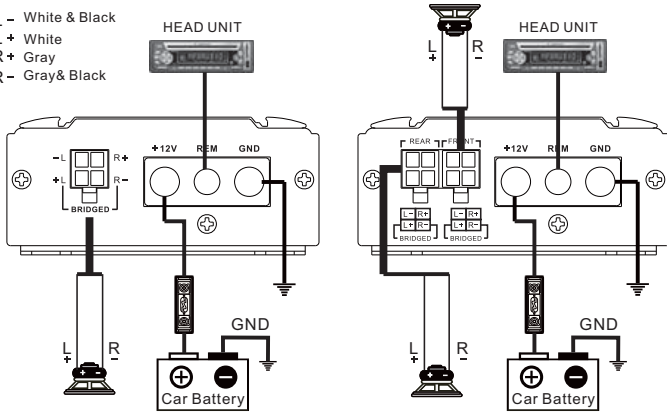
- L - White & Black
- L+ White
- R+ Gray
- R- Gray & Black



Note: Working impedance : $\geq 2 \Omega$

## SPEAKER CONNECTION DIAGRAM

L - White & Black  
L+ White  
R+ Gray  
R- Gray & Black



Note: Working impedance :  $\geq 4 \Omega$

**DR** DOUBLE  
ROCK