YR-180000.1

Marca de Prestigio y Calidad Garantizada

HIGH VOLTAGE
ALTA VOLTAGEM

180.000HV
0.5OHM

## MAX 180K WATTS

# YR-180000.1

### D-CLASS TECHNOLOGY
### HIGH PERFORMANCE AMPLIFIER

## OWNER'S MANUAL

**Please read carefully before using**

## INTRODUCTION


Congratulations and thank you for purchasing YR-180000.1 Audio amplifier, the logical choice in mobile audio amplification. Your amplifiers have been designed and engineered with the highest quality components and top of the line workmanship to help you reach the superior sound you are after.
To achieve optimal performance of your system, please take a few moments to read over this Owner's manual or visit authorized dealer if needed before starting your installation.

## FEATURES

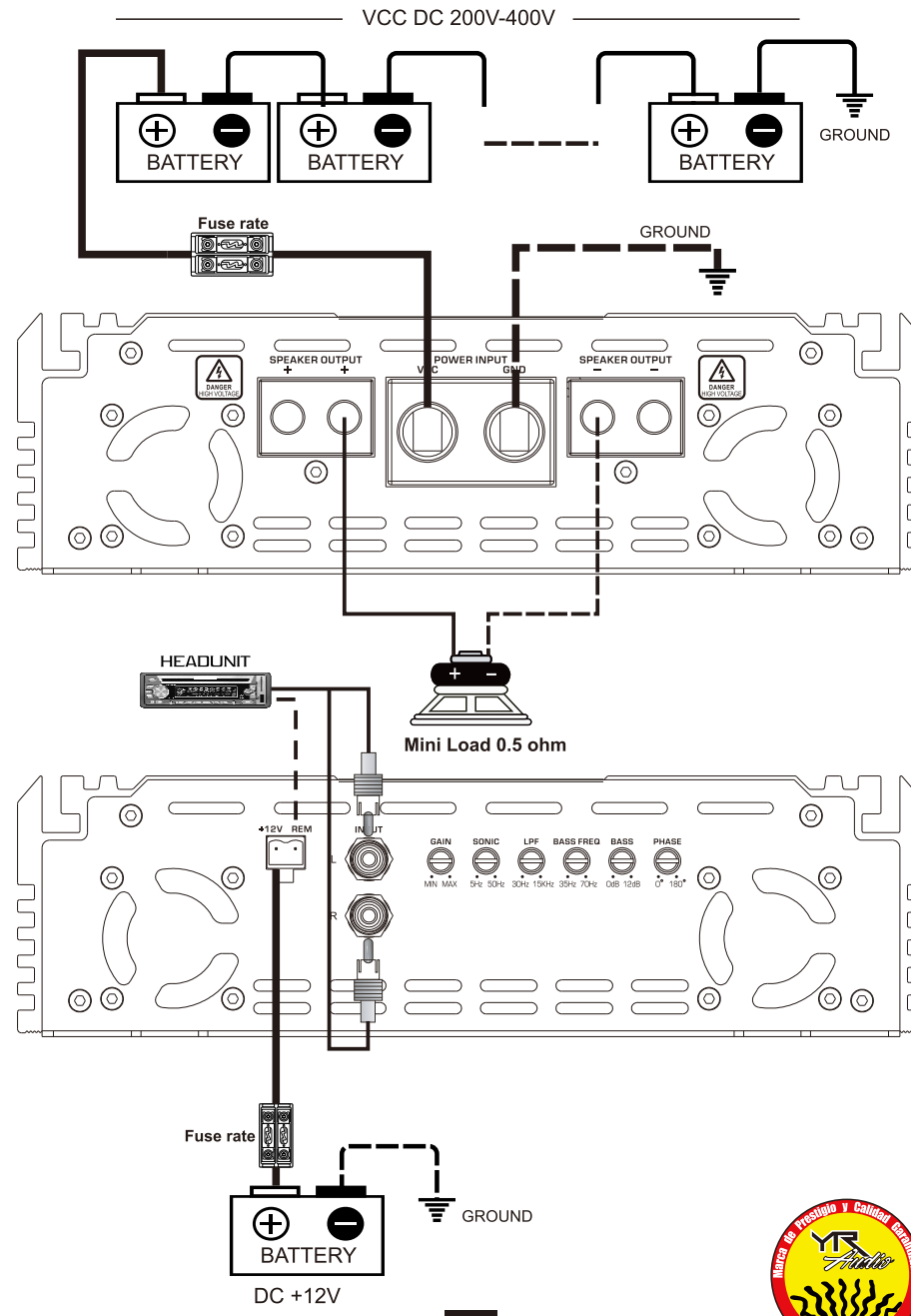
- Using MCU intelligent power management, intelligent air cooling system.
- With over-load and thermal protection.
- External high-voltage DC power supply.
- Advised SMD technology and thicker copper foil double-sided glass fiber PCB design.
- It adopts 1 set of 0 gauge power/ground wire terminals and two sets of 10 gauge speaker output terminals.
- Over current protection/signal cutting wave/power LED indication.
- MCU control, high current drive IC and class D high power amplifier.

## SPECIFICATIONS

| | |
|---|---|
| **Model** | YR-180000.1 |
| **Max Power** | 180KW |
| **Minimum load impedance** | 0.5 ohm |
| **Input Sensitivity** | 300mV |
| **High Pass Filter** | 5Hz - 50Hz |
| **Low Pass Filter** | 30Hz - 15KHz |
| **Frequency Response** | 5Hz - 15KHz |
| **Signal to Noise Ratio** | ⩾90 dB |
| **THD @ 4ohm** | 0.1% |
| **Working voltage** | VCC DC 200V-400V |
| **Dimensions ( L inches )** | 21.06 |
| **9.45 W x 2.67 H inches** | |

All features are subject to change in the continuing effort to improve the products without notice.


## CONNECTION


VCC DC 200V-400V
BATTERY
BATTERY
BATTERY
GROUND
Fuse rate
GROUND
SPEAKER OUTPUT
POWER INPUT
VCC
GND
SPEAKER OUTPUT
DANGER HIGH VOLTAGE
DANGER HIGH VOLTAGE
HEADUNIT
Mini Load 0.5 ohm
+12V
REM
INPUT
L
R
GAIN
SONIC
LPF
BASS FREQ
BASS
PHASE
MIN MAX
Fuse rate
BATTERY
GROUND
DC +12V

### +12V / VCC

Before mounting amplifiers, disconnect the negative cable from the battery to protect any accidental damage to your amplifiers and audio system. Connect the power cables to power terminal 12V / VCC.
YR-180000.1 amplifier are not equipped with fuses so that external fuses should be used. Connect one end of fuse holder to the power cable going into the amplifiers and the other end of fuse holder to positive battery. This fuse location will protect the system and the vehicle against the possibility of a short circuit in the power cables. Be sure to use fuses and fuse holder adequate for the application.

### GND ( GROUND )

Locate a secure grounding connection as close to amplifier as possible. Make sure the location is clean and provides a direct electrical connection to the frame of the vehicle. The ground needs to have as low of a resistance as possible. Connect one end of a short piece of the same size cable as the power cable to the grounding point or to one of your batteries or battery bank. Run the other end of 10 ga cable to the mounting location of the amplifiers for connection to the amplifiers ground terminals and connect the ground cable to the GND ( ground terminal ).

### REM ( REMOTE )

Run a remote turn on cable from the switched 12V source . This may be a toggle switch. a relay, your source unit's remote trigger cables, or power antenna trigger cable. Connect the remote turn on cable to the REM ( remote ) terminal.

## TROUBLE SHOOTINGS

- YR-180000.1 amplifier have protection features to prevent any damages from misuse or faulty conditions.
- If YR-180000.1 amplifier sense excessive heat, short circuited speakers DC, or voltage the protection indicator will light, and the system will be turned off.
- In order to check the problem, you should turn all levels down and all power off and carefully check the installation for wiring mistakes or short.
- If YR-180000.1 amplifier shuts down due to excessive heat, They will be working later when it is cooled down
- Before removing your amplifier, refer to the list below and follow the suggested procedures.

### NO SOUND ( NO OUTPUT )

- Please check all connections, cables' rounting, short & voltage.
- Please check the fuses , If they are blown, please replace with new one..
- Please check whether speakers work well, you can test speakers by connecting to another amplifier

### DISTORTION & NOISE

- Readjust input level and check the speaker quality at another amplifier. Replace poor quality speakers with good quality ones.
- Check amplifiers and headunit's ground contact. all grounds should be common.
- Check RCA Jack, then repalce with new one or reroute RCA Jack.
- Engine noise is caused by poor grounding of amplifiers, headunit, other components, battery or alternator, so please check all grounding connection.

### POOR BASS RESPONSE

- Please check speaker cables and reverse polarity.