



LIMITED WARRANTY

Hypnotic warrants any products purchased in the U.S.A. from an authorized Hypnotic dealer. All products are warranted to be free from defects in material and workmanship under normal use and service for a period of one (1) year when the unit is installed by an authorized Hypnotic dealer. Non-authorized dealer installed products carry a one (1) year parts and labor limited warranty. This warranty applies to the original purchase only.

Hypnotic will either repair or replace (as its option) any unit that had been found to be defective and under warranty provided the defect occurs within:

One (1) year, if purchased through an authorized Hypnotic dealer with original proof of purchase.

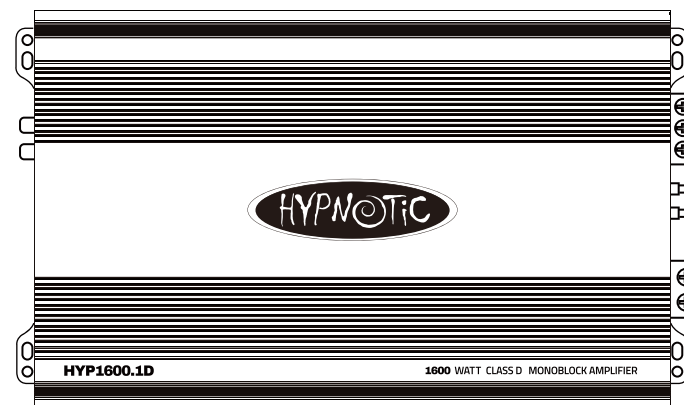
This limited warranty periods do not extend to units having been subjected to misuse, abuse, neglect, or accident. Products that in Hypnotic's judgment shows evidence of having been altered, modified, or serviced without Hypnotic's authorization, will be ineligible under this warranty.

To obtain warranty services please contact your retailer or visit our website at www.hypnoticusa.com for more details.



MONOBLOCK AMPLIFIERS

HYP1600.1D - HYP2600.1D HYP3000.1D



USER MANUAL

Installation Instructions | Owners Manual

Due to continuous improvement of the product, specifications are subject to change without notice.



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Introduction

Congratulations on your purchase of your Hypnotic Amplifier. Your selection of a Hypnotic car audio product indicates a true appreciation of fine musical reproduction. Whether adding to an existing system or including it in your new system, you are certain to notice immediate performance benefits.

Keep Your Sales Receipt

Take this time to attach your sales receipt to the manual and put in a safe place. In case of any unforeseen reason this product may need warranty service, your receipt will be necessary to establish purchase date.

Recommendation

A stereo system's performance is only as good as its installation. Proper installation will maximize the system's overall performance. It is recommended that you have our product installed by an authorized Hypnotic retailer. However, if you decide to install it yourself, please carefully read through this manual and take your time to do a quality installation.

IMPORTANT!

Before making any connections, disconnect the vehicle's battery until the installation is completed to avoid possible damage to the electrical system.

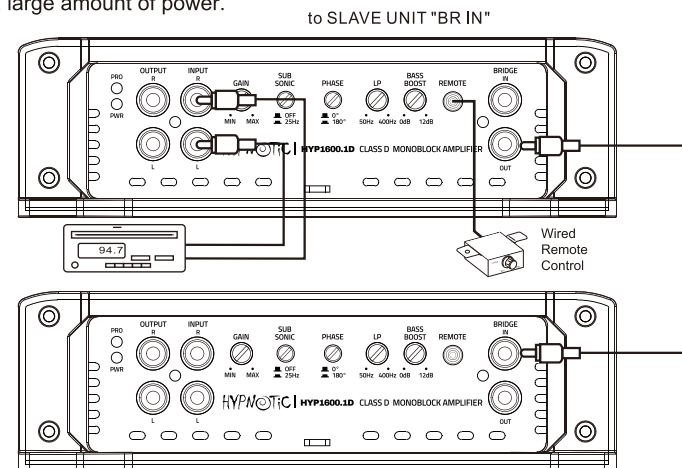
WARNING!

Exposure to high power sound system can cause hearing loss or damage. Listening to your system at loud levels while driving will impair your ability to hear traffic sounds and emergency vehicles. Use common sense when listening to your system.

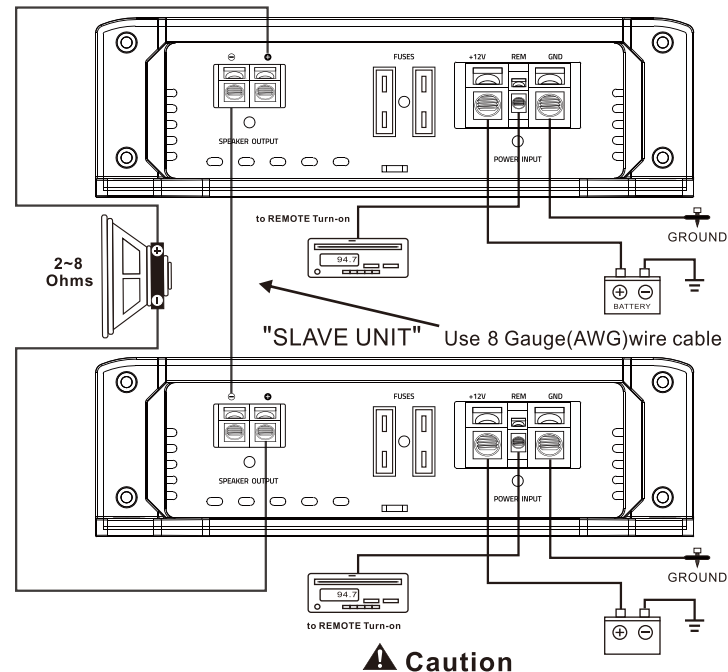
Serial # _____ Model # _____

H - Link Input Connection (MASTER & SLAVE RCA Connection)

Using a H - Link Configuration, the MASTER amplifier has total control over the SLAVE amplifier. When using dual amplifier to operate subwoofer, the positive terminal of the subwoofer's voice coil must be connected to the positive terminal of the MASTER amplifier and the negative terminal of the subwoofer's voice coil must be connected to positive terminal of the SLAVE amplifier. Be advised that the dual amplifier configuration has tremendous output potential, so ensure that your subwoofers can handle such a large amount of power.



H - Link Power & Speaker Connection "MASTER UNIT"



Caution

When utilizing the dual amplifier configuration it is important to note that the connected speaker load can be no lower than 2 ohms. Connecting a lower impedance load can damage the amplifier and void your warranty.

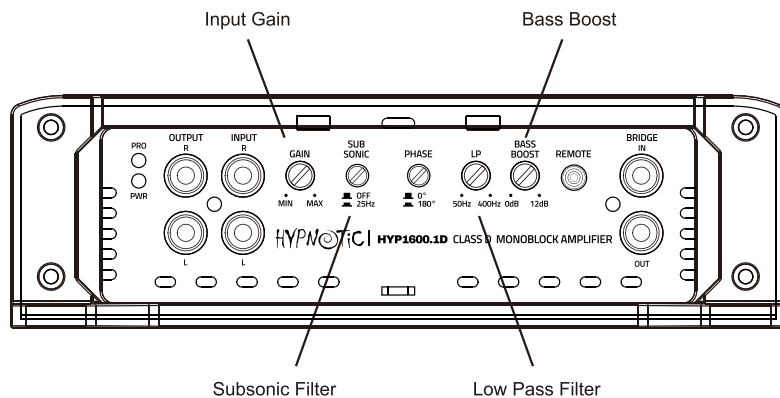
Built-In-Crossover

The Hypnotic mono amplifiers are equipped with a 24 dB per octave variable Low Pass crossover.

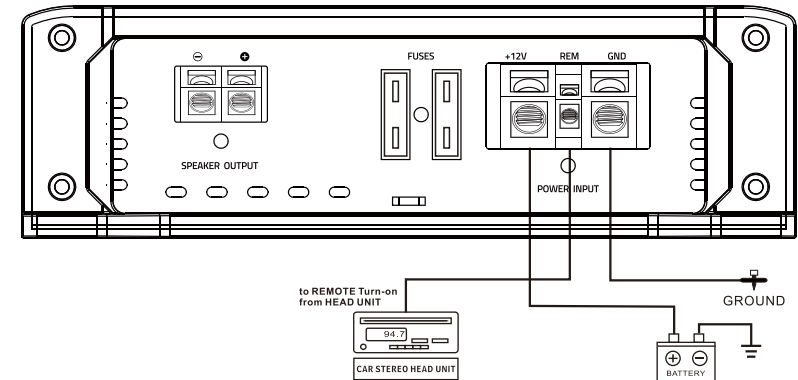
They also feature a selectable Sub Sonic filter set at 25Hz to protect your subwoofers from ultra-low frequencies when using vented enclosures.

A Variable Bass Boost EQ set at 45Hz is available to tune your subwoofer enclosure.

In some subwoofer enclosure installations it may be necessary to use the Phase Shift feature. The Phase shift button sets the subwoofer output signal at either 0 degree setting or 180 degree settings. This will also allow you to fine tune the subwoofer enclosure depending on the enclosure location in the vehicle.



Power Connections



It is important that you read this manual very carefully and follow it for your installation carefully. Before you start your installation, please consider following concerns.

1. Disconnect the negative (-) battery cable before mounting the amplifier or making any connections. Check the battery and alternator ground (-) connections. Make sure they are properly connected and free of corrosion.

2. Before selecting a mounting location for amplifier, please take some concerns into consideration with cooling efficiency and safety.

3. Power connection

Before installing amplifier, disconnect the negative (-) wire from battery to protect any accidental damage to your amplifier and system. This Amplifier is designed to use 4 AWG POWER and GROUND cables.

4. Ground connection

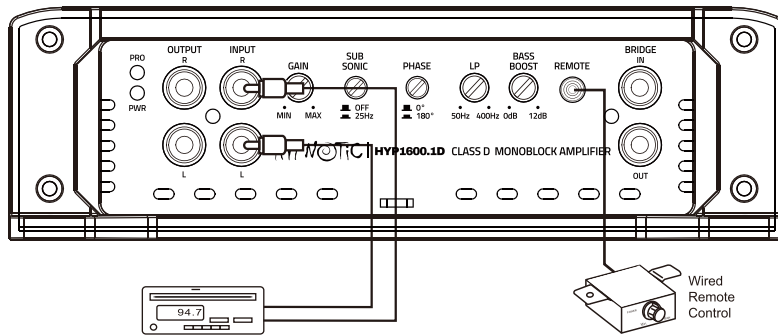
Locate a secure grounding connection as close to the amplifier as possible. Make sure the location is clean and provides a direct electrical connection to the frame of the vehicle. Connect one end of a short piece of the same size cables as the power cable to the grounding point. Run the other end of the cable to the amplifier mounting location. Connecting the ground cable to the screw terminal labeled as GND.

5. Remote connection

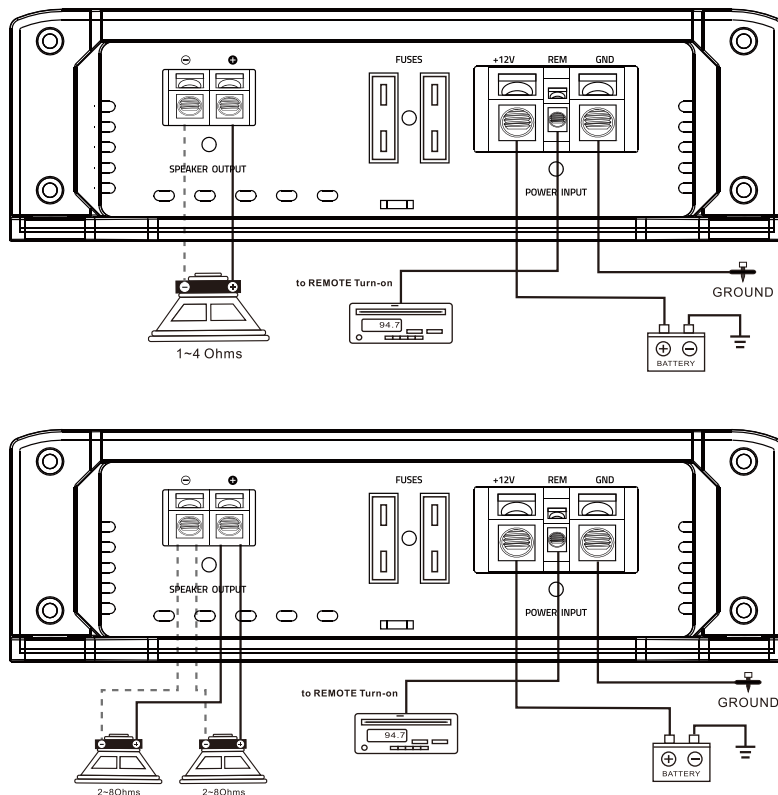
Run a remote turn on cable from the switched +12V source you will be using to turn on the system components. This may be a toggle switch, a relay, or your source unit's remote trigger wire, or power antenna trigger wire. Connect the remote turn on cable to the power terminal labeled as REM. Run this lead to the amplifier 16AWG wire or larger.

RCA Connections

Single Amp Input Connection



Speaker Connections



Features

HYP1600.1D - HYP2600.1D - HYP3000.1D

- Class D Mono Block Amplifier
- 1 Ohm Stable Capability
- PWM Mosfet power supply
- RCA line level Stereo inputs
- Buffered Line output for easy Daisy -Chaining
- Double Sided PCB
- 24dB / Variable Low Pass Crossover
- Variable Subsonic Filter
- Variable Bass Boost @ 45 Hz
- Variable Phase Shift
- Thermal Protection Circuitry
- Wired Remote Bass Control Included

Specifications

	HYP1600.1D	HYP2600.1D	HYP3000.1D
Power @ 1 Ohm mono	1600 watts	2600 watts	3000 watts
Power @ 2 Ohm mono	800 watts	1300 watts	1500 watts
Signal to Noise Ratio	>90dB	>90dB	>90dB
Low Pass Crossover	50Hz-400Hz	50Hz-400Hz	50Hz-400Hz
Subsonic Filter	25Hz	25Hz	25Hz
Bass Boost @ 45 Hz	0-12dB	0-12dB	0-12dB
Phase Shift Control	0-180 degree	0-180 degree	0-180 degree
Frequency Response	10Hz-400Hz	10Hz-400Hz	10Hz-400Hz
THD @ 1 %	<0.1%	<0.1%	<0.1%
Fuse Rating	40A x 2	40A x 3	External
Input Sensitivity	200mV-6V	200mV-6V	200mV-6V

DIMENSIONS

	L	H	W
HYP1600.1D	11.02" / 280 mm	2.16" / 55 mm	7.48" / 190 mm
HYP2600.1D	12.59" / 320 mm	2.16" / 55 mm	7.48" / 190 mm
HYP3000.1D	13.77" / 350 mm	2.16" / 55 mm	7.48" / 190 mm