

Owner's Manual

EN

Betjeningsvejledning

DA

Bedienungsanleitung

DE

Manual de propietario

ES

Käyttöopas

FI

Mode d'emploi

FR

Manuale d'istruzioni

IT

Gebruikershandleiding

NL

Instrukcja obsługi

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Manual do utilizador

PT

Bruksanvisning

SV

Kullanıcı Kılavuzu

TR

用户手册

ZH-CN

使用者手冊

ZH-TW

Panduan Pengguna

ID

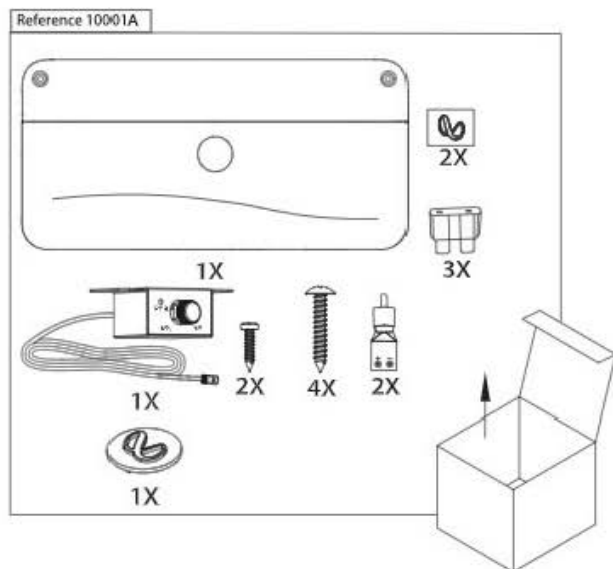
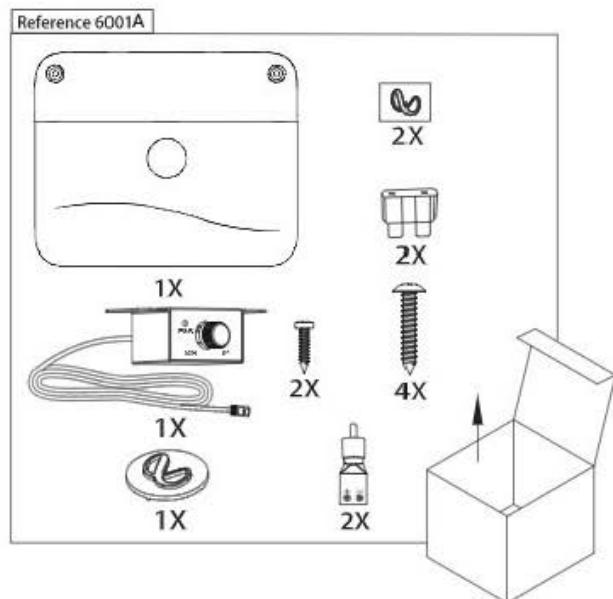
取扱説明書

JP

사용자 설명서

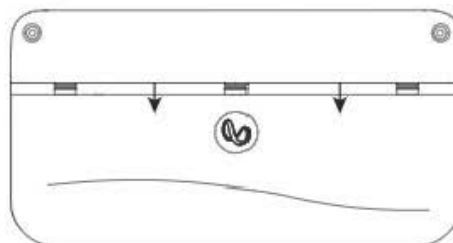
KO

WHAT'S IN THE BOX

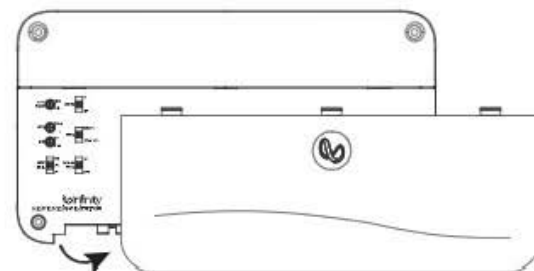


ACCESSING CONNECTORS AND CONTROL PANEL

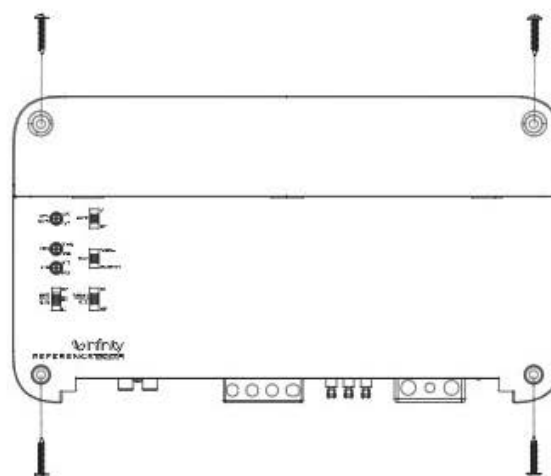
1. Slide the panel cover down



2. Remove panel cover



MOUNTING THE AMP



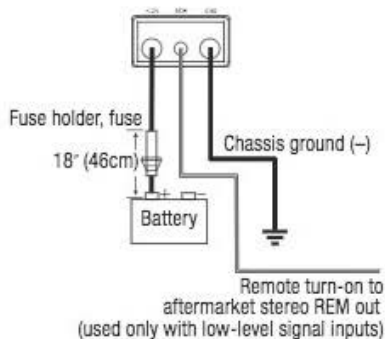
Note: It is recommended that you make all wire connections before permanently mounting the amp.

IMPORTANT: Disconnect the vehicle's negative (-) battery terminal before beginning the installation.

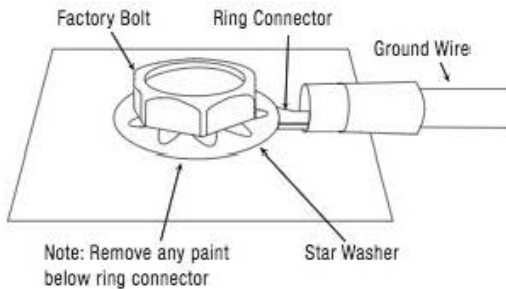
- Always wear protective eyewear when using tools.
- Choose a safe mounting location, away from moisture. Check clearances on both sides of a planned mounting surface. Be sure that screws or wires will not puncture brake lines, fuel lines, or wiring harnesses and that wire routing will not interfere with the safe vehicle operation. Use caution when drilling or cutting in the mounting area.
- Choose a location that provides enough air circulation.
- Do not mount the amplifier with the heat sink facing downward, as this interferes with cooling.
- Mount the amplifier so that it will not be damaged by the feet of backseat passengers or shifting cargo in the trunk.

WIRING FOR POWER AND GROUND

At amplifier:

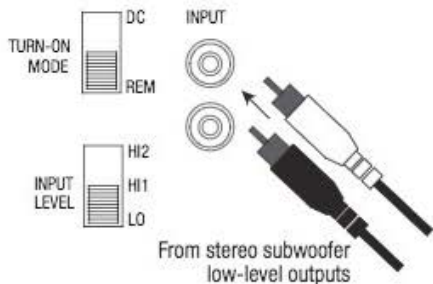


At ground location:



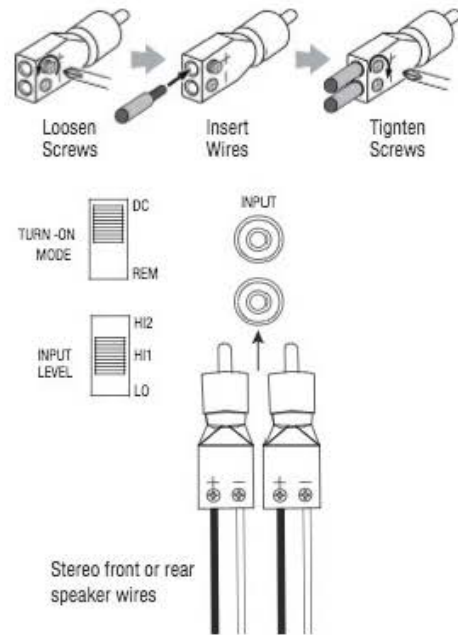
WIRING FOR INPUT SIGNAL

Low-level signals



Note: when using low-level signals and remote turn-on lead, set the "TURN-ON MODE" switch to "REM" and the "INPUT LEVEL" switch to "LO".

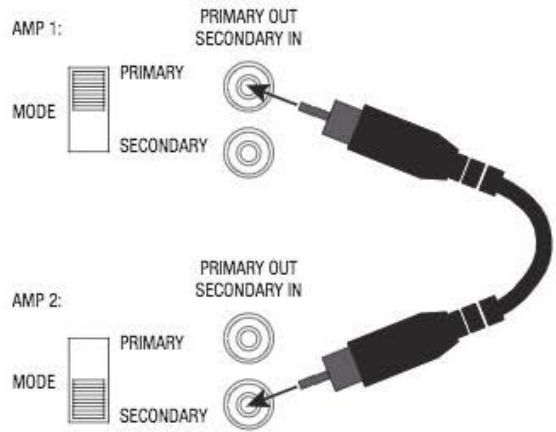
High-level signals



Note: when using high-level signals, set the "TURN-ON MODE" switch to "DC" and the "INPUT LEVEL" switch to "HI1". If no sound plays, change the "INPUT LEVEL" switch to "HI2".

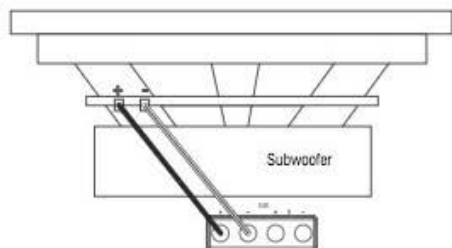
CONNECTING TWO REFERENCE 10001A AMPLIFIERS FOR EXTRA POWER

To connect two Reference 10001a amplifiers, use an RCA patch cable to connect the "PRIMARY OUT" of the primary amplifier to the "SECONDARY IN" of the secondary amplifier. Set the Primary/Secondary switch to "PRIMARY" on the primary amplifier, and to "SECONDARY" on the secondary amplifier.

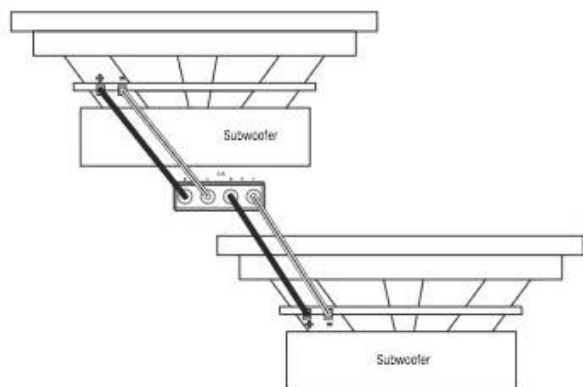


WIRING FOR AUDIO OUTPUT

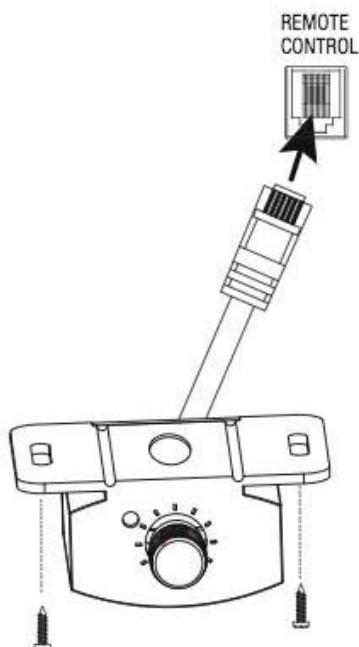
One subwoofer (4ohm/2ohm)



Two subwoofers (4ohm)



CONNECTING THE REMOTE BASS CONTROLLER



SETTING GAIN, CROSSOVERS, AND BASS BOOST

Setting the gain

1. Start with **GAIN** control set to minimum, and the crossover control rotated midway.
2. Choose music with substantial bass content.
3. Turn the volume control on your receiver to ¾ of its total output.
4. Adjust the **GAIN** control clockwise, listening carefully to the bass output. If you hear distortion, turn the **GAIN** control counterclockwise to decrease the gain.



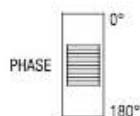
Selecting the crossover frequency

Choose the crossover point to suit listening preferences. Turn the dials to the left to lower the crossover point and to the right to raise the crossover point. Exact crossover settings depend on your listening preferences.



Selecting the subwoofer phase

Switch the **PHASE** back and forth to determine which setting provides the most clean bass output.



Selecting the bass boost

Adjust the **BASS-BOOST** control clockwise or counterclockwise to suit your taste.



SPECIFICATIONS

	Reference 6001A	Reference 10001A
Power output @ 4 ohms	350 watts RMS x 1	600 watts RMS x 1
Power output @ 2 ohms	600 watts RMS x 1	1000 watts RMS x 1
Frequency response	10-320 Hz	10-320 Hz
Crossover frequencies	32-320 Hz variable, 12 dB/ octave	32 - 320Hz Variable, 12 dB/ octave
Line-level input sensitivity	200 mVrms - 2.0 V rms	200 mVrms - 2.0 V rms
High-level input sensitivity	2 Vrms - 20V rms.	2 Vrms - 20V rms.
Signal-to-noise ratio	>80 dB	>80 dB
THD+N @ rated power	<1%	<1%
Fuse rating	30 A x 2	35 A x 3
Operating voltage	9~16 V	9~16 V
Dimensions (W x H x D)	8-11/16" x 2-1/16" x 7-1/8" (220 mm x 51.3 mm x 180 mm)	12-5/8" x 2-1/16" x 7-1/8" (320 mm x 51.3 mm x 180 mm)
Weight	2.54 kg	3.58 kg
Recommended wire gauge	8	4

TROUBLESHOOTING

No audio and POWER INDICATOR is off.

- No voltage at BATT+ and/or REM terminals, or bad or no ground connection. Check voltages at amplifier terminals with VOM.

No audio and PROTECT INDICATOR flashes every 4 seconds.

- DC voltage on amplifier output. Amplifier may need service; see enclosed warranty card for service information.

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No audio and PROTECT and POWER INDICATORS flash.

- Voltage less than 9V on BATT+ connection. Check vehicle charging system.

No audio and PROTECT INDICATOR is on.

- Amplifier is overheated. Make sure amplifier cooling is not blocked at mounting location. Or, there may be voltage greater than 16V (or less than 8.5V) on BATT+ connection. Check vehicle charging system.

Amplifier fuse keeps blowing.

- The wiring is connected incorrectly or there is a short circuit. Check wiring connections.

Distorted audio.

- Gain is not set properly. Check setting. Check wires for shorts or grounds. Amplifier or source unit may be defective.

Distorted audio and PROTECT INDICATOR flashes.

- Short circuit in speaker or wire. Remove speaker leads one at a time to locate shorted speaker or wire, and repair.

Music lacks dynamics or "punch".

- Speakers are not connected properly. Check speaker connections for proper polarity.

Engine noise—whining or clicking—in system when the engine is on.

- Amplifier is picking up alternator noise. First, check ground connection on the amplifier – a loose or improper ground is one of the main causes for noise. Turn down gain. Move RCA audio cables away from power wires. Installing an alternator noise filter on power line between battery and alternator might also be necessary.



INFINITY® REFERENCE AMPLIFIERS

Features & Benefits



MARKET LAUNCH: Available Now!

CATEGORY: Car Audio - Amplifier

POSITIONING: High-performance car amplifiers

KEY BENEFITS:

- Compact Size
- High and Low Level Input
- Variable Crossover
- Low Noise and Distortion
- Input Level Control
- Full On-board Protection
- Turn-on Mode

BASIC FEATURES:

Compact Size

- Infinity Reference amplifiers have been engineered with a compact footprint to fit in more vehicles even if available space is limited.

High and Low Level Input

- Speaker-level and low-level inputs allow the Infinity Reference Amplifier Series to integrate with both aftermarket and factory car stereo systems.

Variable Crossover

- Unlike many amplifiers available at similar prices, the Infinity Reference Amplifier Series features variable electronic crossover circuits allowing for precise system tuning and performance.

Low Noise and Distortion

- The Infinity Reference Amplifier Series has been engineered using Balanced Differential Inputs to ensure low noise and distortion even at high output levels. This also makes it far less susceptible to line induced radiated engine noise.

Input Level Control

- When low-level inputs are used, this control adjusts the input sensitivity between 200mVrms and 2.0Vrms. When high-level inputs are used, this control adjusts the input sensitivity between 2Vrms and 20Vrms.