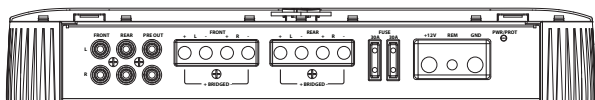
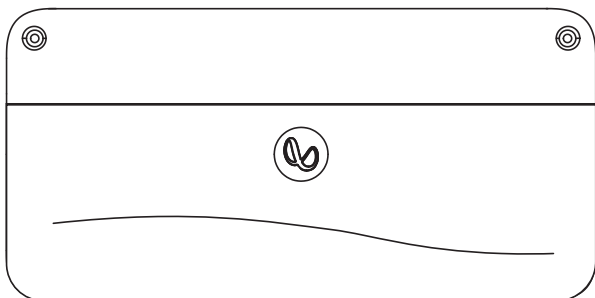




Reference 3004A and Reference 7005A Amplifiers



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

PL

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

Торговая марка:

Назначение товара:

Изготовитель:

Страна происхождения:

Импортер в Россию:

Гарантийный период:

Информация о сервисных центрах:

Срок службы:

Товар сертифицирован

Дата производства:

JBL

Усилитель мощности

Харман Интернешнл Индастриз Инкорпорейтед, США, 06901 Коннектикут, г.Стэмфорд, Атлантик Стрит 400, офис 1500

Китай

ООО «ХАРМАН РУС СиАйЭс», Россия, 127018, г.Москва, ул. Двинцев, д.12, к 1

1 год

www.harman.com/ru тел. +7-800-700-0467

3 года

EAC

Дата изготовления устройства определяется по двум буквенным обозначениям из второй группы символов серийного номера изделия, следующих после разделительного знака «-». Кодировка соответствует порядку букв латинского алфавита, начиная с января 2010 года: 000000-MY0000000, где «М» - месяц производства (А - январь, В - февраль, С - март и т.д.) и «Y» - год производства (А - 2010, В - 2011, С - 2012 и т.д.).

Используйте устройство только по прямому назначению в соответствии с предоставленной инструкцией. Не пытайтесь самостоятельно вскрывать корпус товара и осуществлять ремонт. В случае обнаружения недостатков или дефектов, обращайтесь за гарантийным обслуживанием в соответствии с информацией из гарантийного талона. Особые условия хранения, реализации и (или) транспортировки не предусмотрены. Избегайте воздействия экстремальных температур, длительного воздействия влаги, сильных магнитных полей. Устройство предназначено для работы в жилых зонах. Срок годности не ограничен при соблюдении условий хранения.

产品中有害物质的名称及含量

部件名称	目标部件	有害物质或元素					
		铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr (VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
箱体	外壳，面板，背板等	×	0	0	0	0	0
电路板	印刷电路板，电路板上的电子零件，内部相关连接线	×	0	0	0	0	0
零部件	电容，连接器等	×	0	0	0	0	0
附件	电源线，说明书，包装等	0	0	0	0	0	0

本表格依据 SJ/T 11364 的规定编制

0: 表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572 规定的限量要求以下。

X: 表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572 规定的限量求。

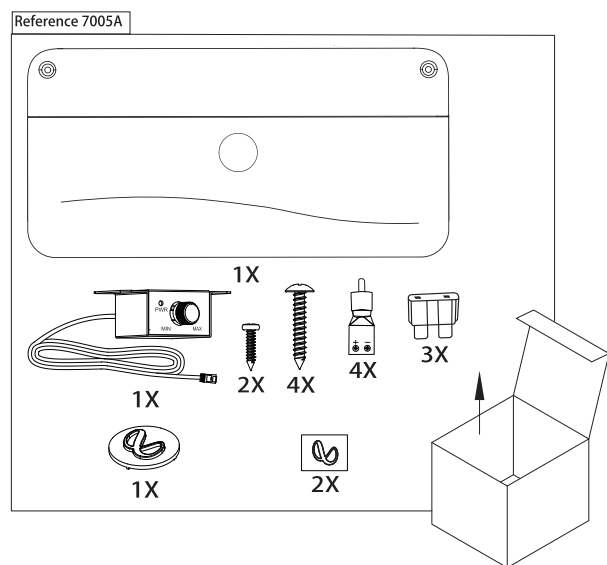
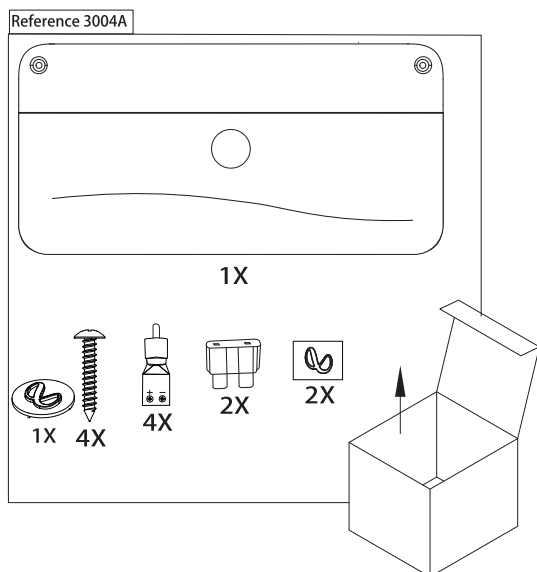


在中华人民共和国境内销售的电子电气产品上将印有”环保使用期”(EPUP)符号。

圆圈中的数字代表产品的正常环保使用年限。

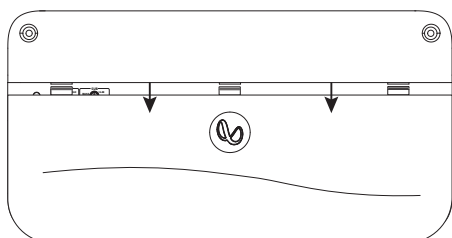


WHAT'S IN THE BOX

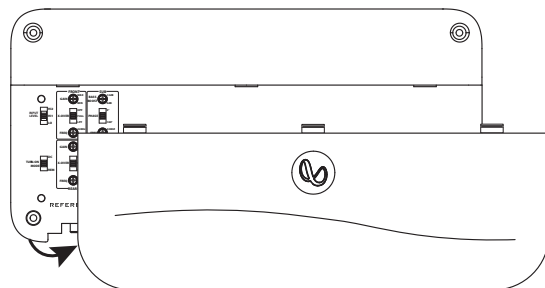


ACCESSING CONNECTORS/ CONTROL PANEL

1. Slide the panel cover down

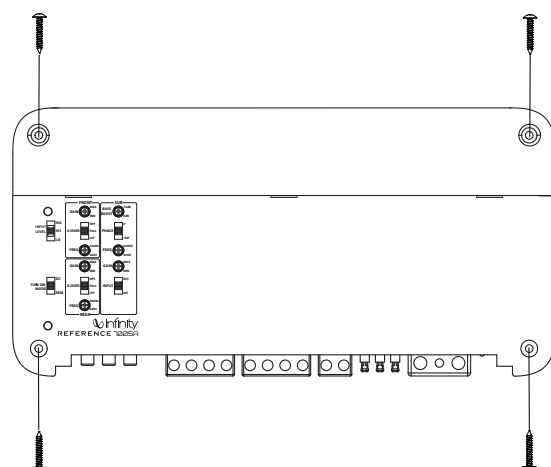


2. Remove panel cover



EN

MOUNTING THE AMP



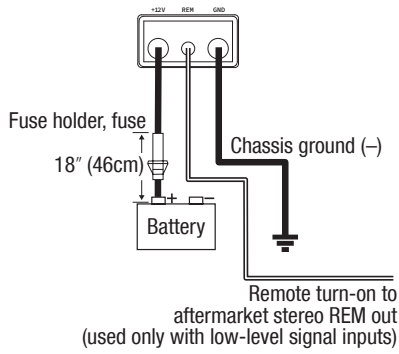
Note: It is recommended that you make all wire connections before mounting the amplifier.

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

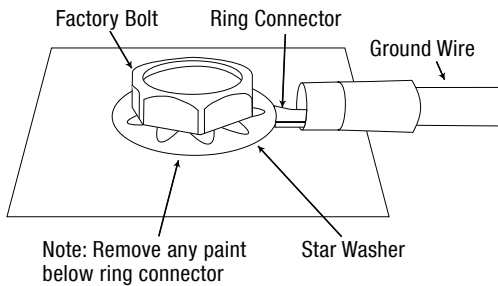
- Always wear protective eyewear when using tools.
- Choose a safe mounting location, away from moisture. Check clearances on both sides of a planned mounting surface. Be sure that screws or wires will not puncture brake lines, fuel lines, or wiring harnesses and that wire routing will not interfere 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:

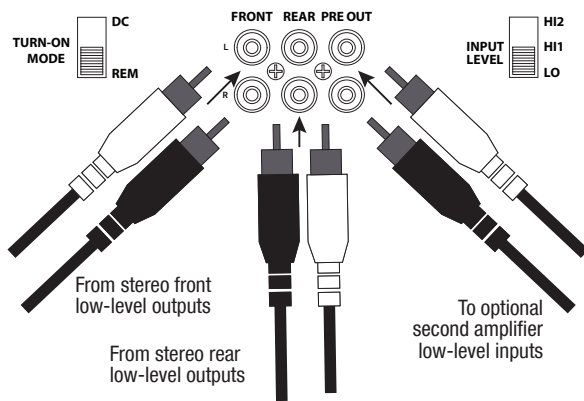


At ground location:



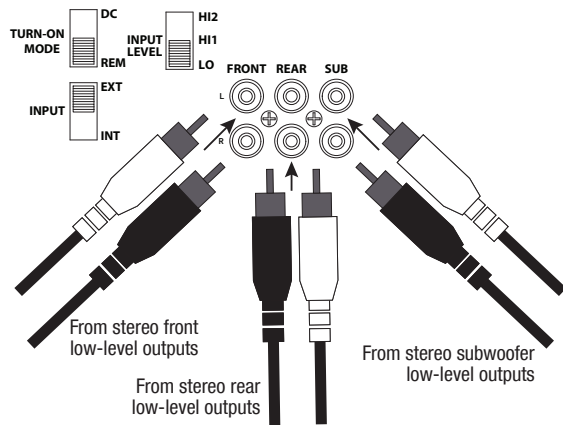
WIRING FOR INPUT SIGNAL

Reference 3004A low-level signals



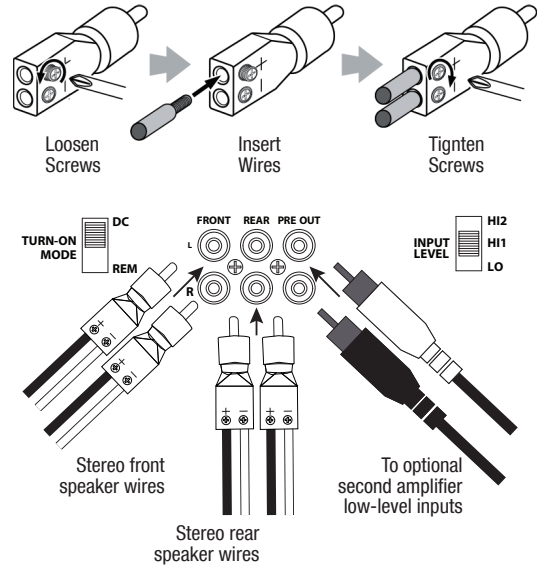
Note: when using low-level signals and remote turn-on lead, set the "TURN-ON MODE" switch to "REM" and the "INPUT LEVEL" switch to "LO".

Reference 7005A low-level signals



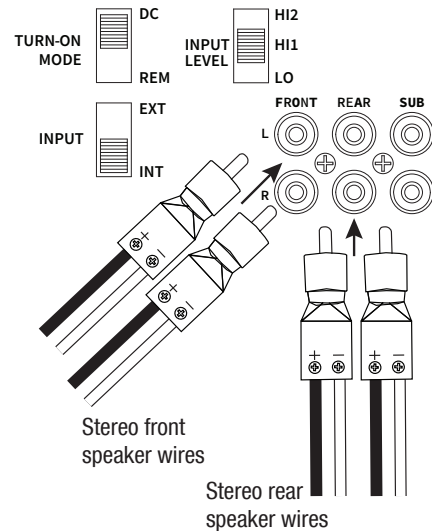
Note: when using low-level signals and remote turn-on lead with the Reference 7005A, set the "TURN-ON MODE" switch to "REM" and the SUB "INPUT" switch to "EXT" and the "INPUT LEVEL" switch to "LO".

Reference 3004A 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".

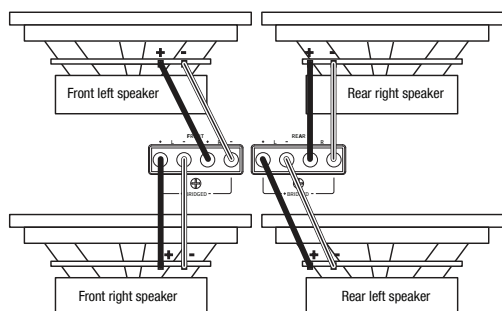
Reference 7005A high-level input signals



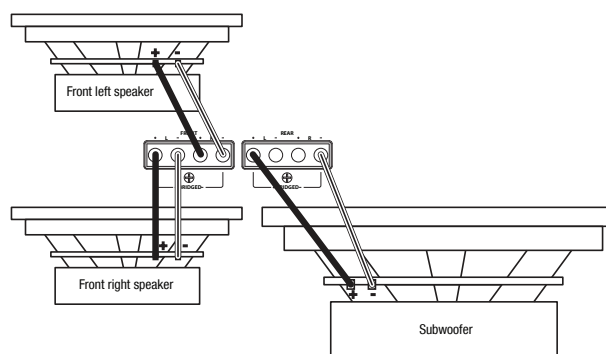
Note: when using high-level signals with the Reference 7005A, set the "TURN-ON MODE" switch to "DC", the SUB "INPUT" switch to "INT", and the "INPUT LEVEL" switch to "HI1". If no sound plays, change the "INPUT LEVEL" switch to "HI2".

WIRING FOR OUTPUT

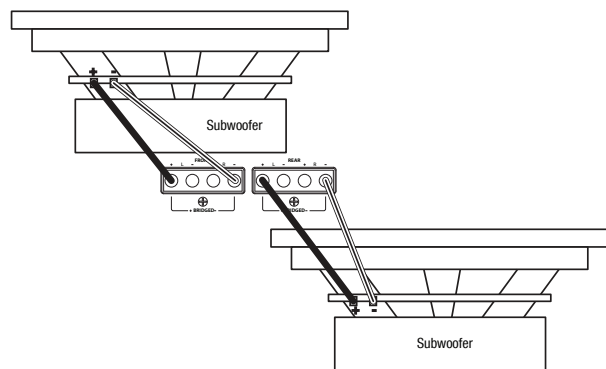
Reference 3004A 4-channel output (4ohm/2ohm)



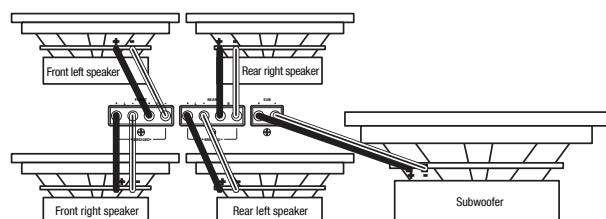
Reference 3004A 3-channel output (Front: 4ohm/2ohm; Rear: 4ohm)



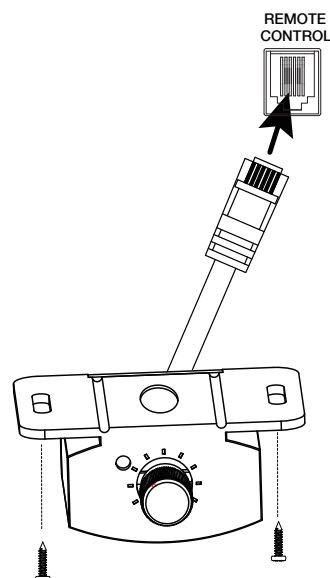
Reference 3004A 2-channel output (4ohm)



Reference 7005A 5-channel output (4ohm/2ohm)



CONNECTING THE REMOTE BASS CONTROLLER (REFERENCE 7005A ONLY)



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SETTING GAIN, CROSSOVERS, AND BASS BOOST

Setting the gain

1. Start with **GAIN** control set to minimum, and the crossover control rotated midway.
2. For the front and rear channels, choose music you're familiar with. For the subwoofer channel on the Reference 7005A, choose music with substantial bass content.
3. Turn the volume control on your receiver to $\frac{3}{4}$ 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 mode

On the front and rear channels, you can select your preferred crossover mode.

Choose HPF to allow only frequencies above a certain point to reach your speakers. Recommended if you're using a subwoofer in your system, as it keeps low base from your full-range speakers.

Choose LPF to allow only frequencies below a certain point to reach your speakers. Recommended if you're bridging the front or rear channels to power a subwoofer.

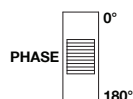
Choose FULL to allow all frequencies to reach your speakers. Recommended if you're not using a subwoofer in your system.

Note: The crossover mode for the subwoofer channel of the Reference 7005A is low-pass only.

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 for coaxial speakers and subwoofers depend on your listening preferences.





Selecting the subwoofer phase (Reference 7005A only)

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



Selecting the bass boost (Reference 7005A only)

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

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SPECIFICATIONS

	Reference 3004A	Reference 7005A
Power output @ 4 ohms	75 watts RMS x 4	50 watts RMS x 4, 320 watts x 1
Power output @ 2 ohms	100 watts RMS x 4	75 watts RMS x 4, 500 watts x 1
Power output in bridged mode	200 watts RMS x 2 at 4 ohms	150 watts RMS x 2 at 4 ohms
Frequency response	10-40 K Hz	10-40 K Hz / 10-320 Hz
Crossover frequencies	32-320 Hz variable, 12 dB/ octave	32-320 Hz variable high- and low-pass (front and rear); 32-320 Hz low-pass (subwoofer); 12 dB/ octave
Line-level input sensitivity	200 mVrms – 2.0 Vrms	200 mVrms – 2.0 Vrms
High-level input sensitivity	2.0 Vrms – 20 Vrms	2.0 Vrms – 20 Vrms
Signal-to-noise ratio	>80 dB	>80 dB
THD+N @ rated power	<1%	<1%
Fuse rating	30 x 2	30 x 3
Operating voltage	9~16 V	9~16 V
Dimensions (W x H x D)	12-5/8" x 2-3/16" x 7-1/8" (320 mm x 55.5 mm x 180 mm)	14-3/16" x 2-3/16" x 7-1/8" (360 mm x 56 mm x 180 mm)
Weight	3.15 kg	4.02 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.

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.



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Northridge, CA 91329 USA
www.infinityspeakers.com

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REFERENCE 7005A

High performance 5 channel car amplifier



Series of high-performance mono, 4 and 5 channel car amplifiers.

Infinity's Reference 7005A 5-channel amplifier provides a full system solutions without breaking a sweat, and it'll look good doing it. It delivers 50-Watts RMS to each of the front and rear speakers, and a ground pounding 500-Watts RMS to the subwoofer channel — a much better balance of "speaker-to-sub" power than most of conventional 5-channel amplifiers on the market. For higher output, you can bridge the amp to 3-channel mode and power your front speakers with 140-Watts per channel, while still delivering 500-Watts to the subwoofer channel. Speaker-level inputs allow the Reference 7005A to work in almost any system, even if you're keeping your factory radio. Separate high-pass and low-pass crossovers on the front and rear channels and dedicated low-pass crossover, bass boost, and phase switch for the subwoofer channel provides an incredible amount of control and tuning capability. The Reference 7005A is truly a total system solution in one easy to install chassis.

Features

- ▶ Compact size
- ▶ High and low level input
- ▶ Variable crossover and bass boost
- ▶ Low noise and distortion
- ▶ Input Level Control
- ▶ Full on-board protection
- ▶ Phase Switch
- ▶ RBC wired remote
- ▶ Class AB+D amp technology
- ▶ Turn-on mode



Compact size

The Infinity Reference 7005A amplifier features a low-profile chassis and a small overall footprint to fit in more vehicles where available space is limited.

High and low level input

Speaker-level and low-level inputs allow the Reference 7005A to integrate with both aftermarket and factory car stereo systems.

Variable crossover and bass boost

Unlike many amplifiers available at similar prices, Infinity Reference amps feature variable electronic crossovers and bass boost circuit to allow for fine-tuning.

Low noise and distortion

Produces tight bass with low distortion at high SPL. Balanced Differential Inputs are used to ensure low noise.

Input Level Control

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

Full on-board protection

The on-board circuitry to protect them from shorts, temperature, overvoltage and undervoltage. An LED indicator is included on all four models to let you know when one of these conditions exists.

Phase Switch

This switch changes the input phase to inverted or non-inverted. This is especially helpful with the subwoofer channel.

RBC wired remote

The RBC wired remote is an easy installation and can be mounted for convenient volume adjustment from driver's seat.

Class AB+D amp technology

The Infinity Reference 7005A 5 channels subwoofer amplifier delivers 780-Watts RMS using a Class AB+D amplifier design to ensure high output and minimum current draw.

Turn-on mode

This switch changes DC to REM to adapt with low-level signals or high-level signals, this is especially helpful as part of remote turn-on lead of your installation more choice. A selectable "Turn-on mode" can protect battery to avoid current drain, when you don't expect turn on your amplifier.

What's in the Box:

- One Reference 7005A five channel amplifier
- 4 Bare wire-to-RCA adapters
- Six 30A ATO fuses (3 installed, 3 spare)
- Remote bass control module
- 16.5' Remote control cable (RJ-25 plugs on both ends)
- 2 Self-tapping screws for remote (M3 x 15mm)
- 4 Mounting screws (M4 x 53mm)
- Owner's Manual
- 2 Infinity decals
- 1 logo badge

Specifications:

- ▶ 5 channel car amplifier
- ▶ 50 watts RMS x 4 + 320 watts RMS x 1 at 4 ohms
- ▶ 65 watts RMS x 4 + 500 watts RMS x 1 at 2 ohms
- ▶ 140 watts RMS x 2 bridged at 4 ohms + 500 watts RMS x 1 at 2 ohms
- ▶ Variable high- and low-pass filters (32–320Hz, 12dB/octave) on front and rear channels
- ▶ Low-pass filter (32–320Hz, 12dB/octave) on subwoofer channel
- ▶ Bass boost on subwoofer channel (0–12dB at 45Hz)
- ▶ Phase switch on subwoofer channel (0, 180 degrees)
- ▶ Preamp and speaker-level inputs
- ▶ Fuse rating: 30A x 3
- ▶ 4-gauge power and ground leads recommended — wiring and hardware not included with amplifier
- ▶ W x H x D = 360mm x 55.5mm x 180mm
W x H x D = 14-3/16" x 2-3/16" x 7-1/8"