AUDIO INPUT CONTROL SYSTEM

Bazooka®

CONTROL SYSTEM 3-INPUT SWITCH
INSTALLATION INSTRUCTIONS

CSS-3I

Dear customer,

Congratulations on your purchase of a Bazooka Audio Input Control System. At Bazooka, we are fanatics about accurate music reproduction. Your selection of our products for your sound system indicates that quality sound is also important to you too. At SAS, we take great pride in manufacturing revolutionary audio products, and through the years of engineering expertise, hand craftsmanship and critical testing procedures, we have created this high-performance input switcher. We hope that you will take as much pride in owning and using one of these high-quality audio products as we do designing and manufacturing them.

When properly installed and operated, your Bazooka Audio Input Control System will give you years of clean uninterrupted sound reproduction. Therefore, we urge you to take a few minutes to carefully read through this manual. It will explain all of the features of your amplifier and help insure trouble free installation.

Sound can be deceiving. Over time your hearing comfort level adapts to higher volumes of sound. What may have sounded normal can actually be too loud and harmful to your hearing. Guard against this by setting your equipment at a safe level before your hearing adapts.

To establish a “safe level”,

- Start with your volume control at a low setting.
- Slowly increase the volume control until you can hear comfortably, clearly and without distortion.
- Once you have established a comfortable “sound level”, make a note of this position and do not go above this setting

Taking a minute to do this will help prevent your hearing from being damaged and allow you to enjoy listening to music throughout your lifetime.

SAFETY PRECAUTIONS

Fuse amplifiers power wire at the battery.

Be sure to fuse the power wire within 6" of the vehicles battery. This will protect the vehicle and CSS-31 in case of a short circuit between the CSS-31 and battery.

Use high grade wire connectors.

To ensure maximum power transfer and secure safe connections, it is recommended to use high grade barrier spades (for connection at amplifier if applicable) and terminal rings (for connection at battery).

Do not run any wires underneath vehicle.

Exposed wires have a chance of being cut or damaged. It is best to run all wires through the vehicle under the carpet and/or side panels. This lends to a cleaner installation and less risk of damage.

Use caution when mounting the CSS-31.

Remember there are many electrical wires, gas lines, vacuum lines, brake lines as well as a gas tank in the automobile. Make sure you know where they are when mounting the amplifier to avoid puncturing lines, shorting wires or drilling holes in the gas tank.

Run signal wires away from electrical wires.

To avoid possibility of induced noise from the vehicles electrical system (i.e. popping noises or engine noise), run wires away from the vehicles electrical wiring.

Make all ground wires as short as possible and at the same point.

In order to reduce the chance of ground loops (i.e. engine noise), make the grounding wire as short as possible to reduce the wire's resistance. Also, when using multiple components, make sure all units are grounded at the same point.

Avoid sharp edges when running the wires.

To avoid the possibility of power, signal or speaker shorts, be careful not to allow the CSS-31 wires to come in contact with sharp edges. Use a grommet to protect the wire when running through the fire wall .

FEATURES AND BENEFITS

Multiple Source Inputs

The CSS-3I's allows for two low level inputs (RCA's) and one Stereo 3.5mm stereo input jack (MP3 or iPod). This gives the flexibility to choose what source input you wish to play through your amplifier.

Source Thru-puts

We have included source thru-puts for the inputs A & B. This allows you to pass the same source signal to another CCS-3I or additional amplifiers in the system.

Remote Turn-on

Automatically turns the CSS-3I on when connected to the head unit's remote output. The CSS-3I will turn on and off with the head unit along with the amplifier attached to the CSS-3I.

CSR Input Jack

A remote input jack has been provided for connection with optional CSR-W or CSR-I Power, Source and Volume Control. The CSR's allow independent control of source inputs and the volume of the amplifier(s) connected to the CSS-3I.

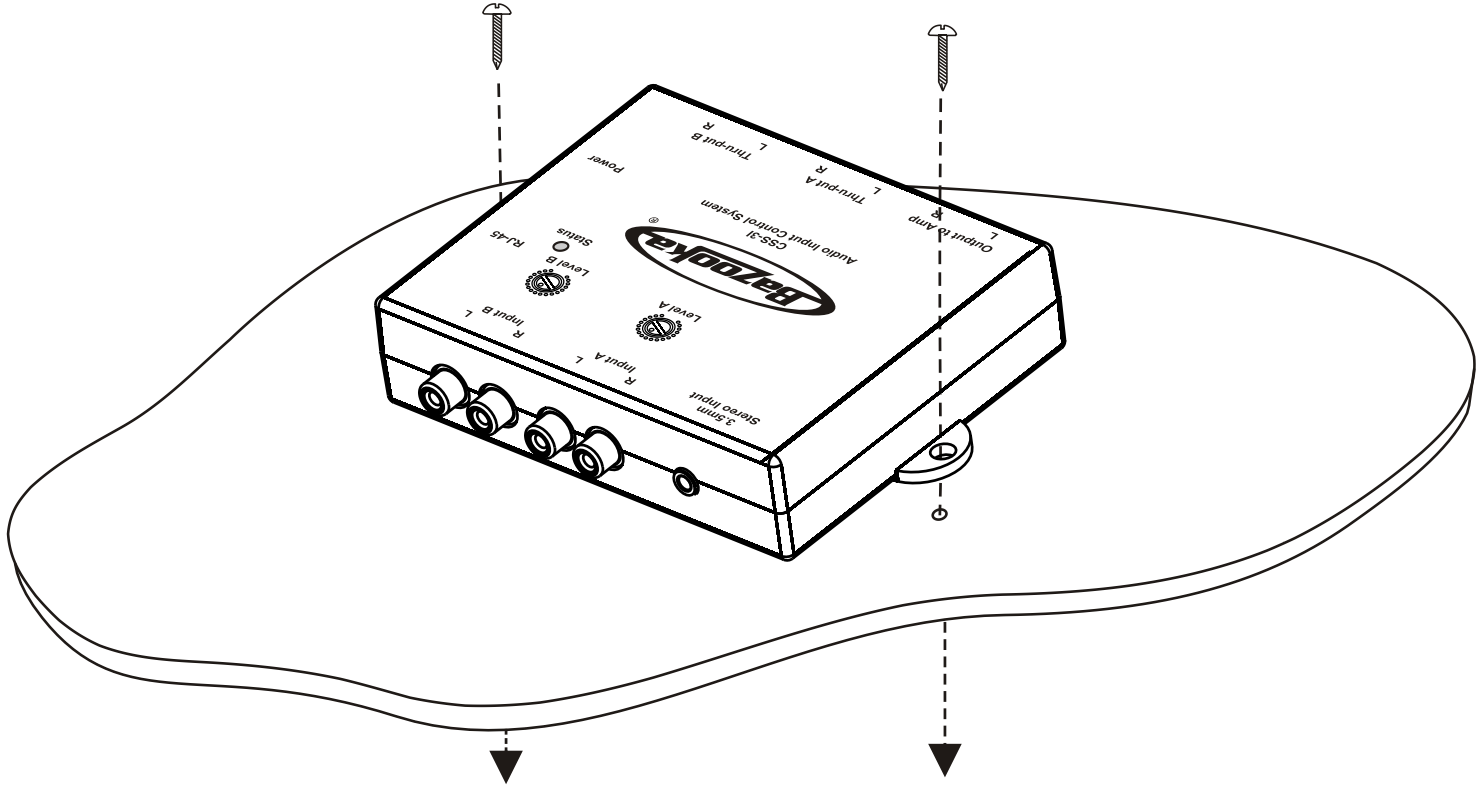
Adjustable Level Control for A & B Level Inputs

Independent level matching between each input source and the power amplifier. This allows you to adjust each source input to optimize the overall level to the connected amplifier.

Mounting location

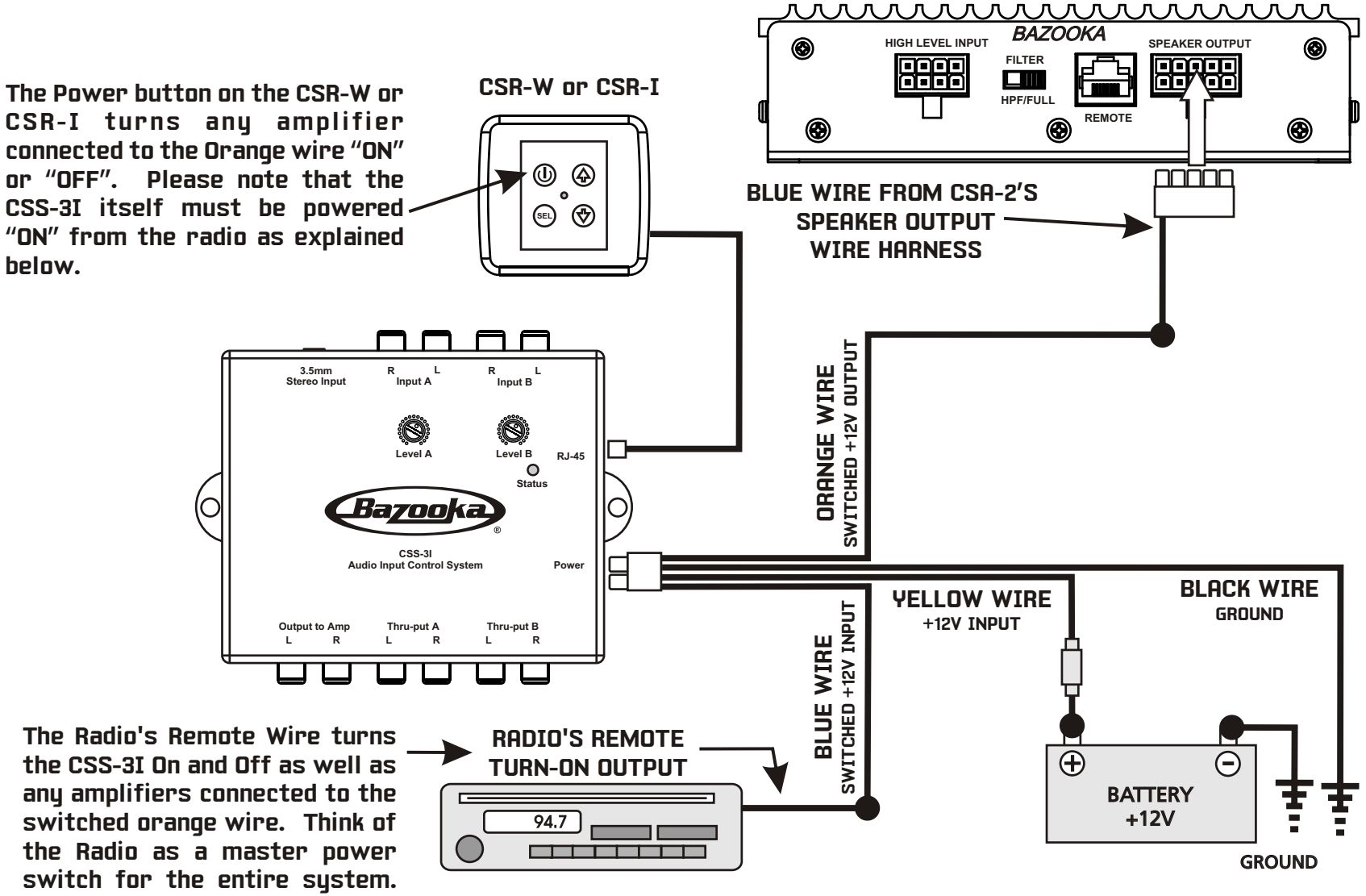
Before you start the installation, it will be necessary to find a mounting location for the unit. Find a location in which the CSS-3I will receive adequate ventilation in order to dissipate the heat it develops during operation. Do not mount in the engine compartment.

Select the location in which you wish to mount the CSS-3I. Use caution when mounting the CSS-3I, there are many wires, gas lines, vacuum lines, brake lines as well as a gas tank in the automobile. Make sure you know where they are when mounting the unit to avoid puncturing lines, shorting wires or drilling holes in the gas tank. Once you are ready, use a pencil to mark the mounting holes in the bottom panel. After you have marked the locations of the holes move CSS-3I out of the way and drill small starter holes to make the tapping screws easier to install. Use provided screws to tighten down the CSS-3I.



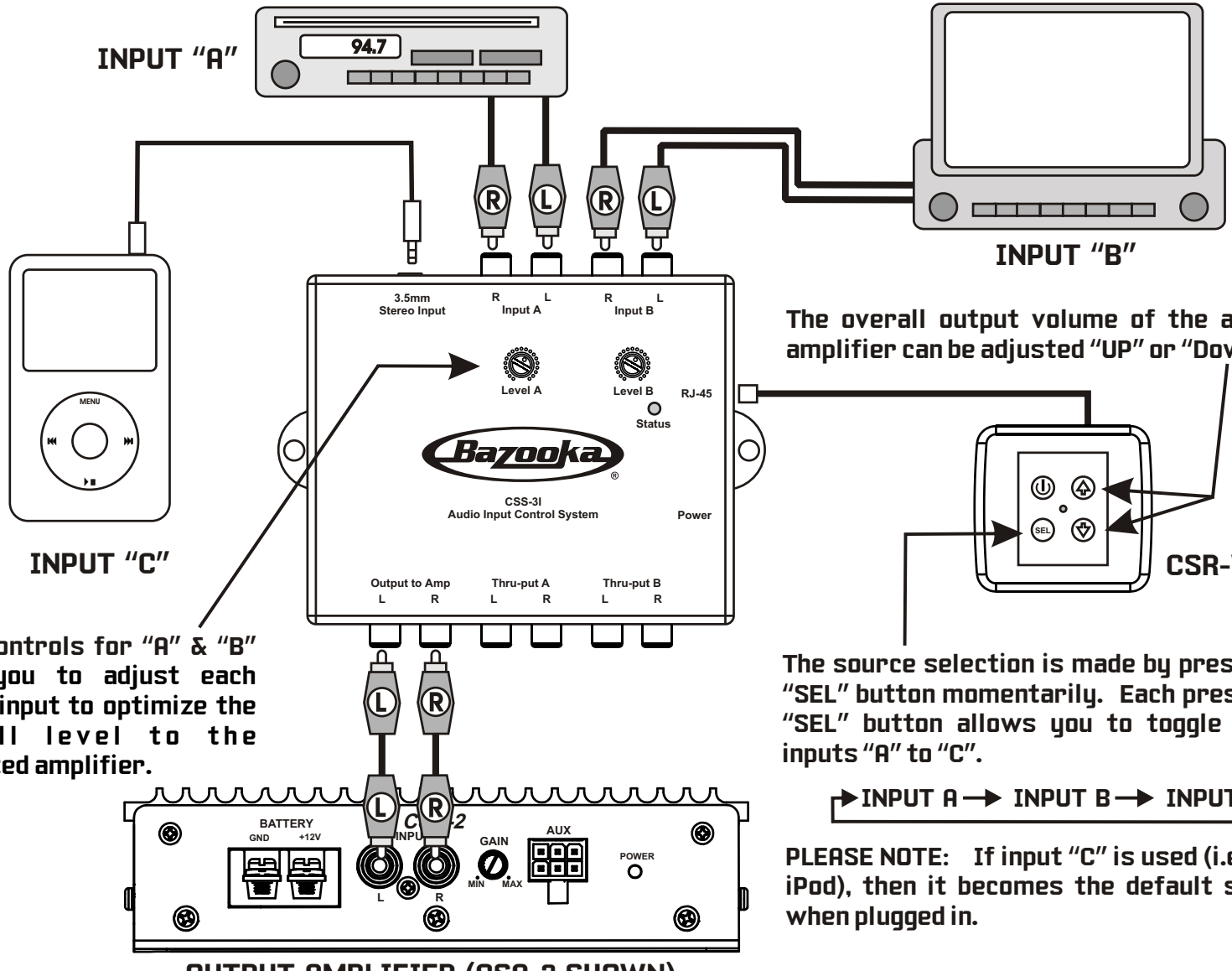
POWER CONNECTIONS

IMPORTANT! Before making any connections, disconnect the vehicles battery until the installation is completed to avoid possible damage to the electrical system.



SIGNAL CONNECTIONS AND ADJUSTMENTS USING THE CSR-W

To make these connections, we recommend high quality RCA cables, which are available at your local Bazooka retailer. Run signal wires away from electrical wires to avoid possibility of induced noise from the vehicles electrical system (i.e. popping noises or engine noise).



Level Controls for "A" & "B" allow you to adjust each source input to optimize the overall level to the connected amplifier.

The overall output volume of the attached amplifier can be adjusted "UP" or "Down"

The source selection is made by pressing the "SEL" button momentarily. Each press of the "SEL" button allows you to toggle through inputs "A" to "C".

INPUT A → INPUT B → INPUT C

PLEASE NOTE: If input "C" is used (i.e. Mp3 or iPod), then it becomes the default selection when plugged in.

SIGNAL CONNECTIONS AND ADJUSTMENTS USING THE CSR-I

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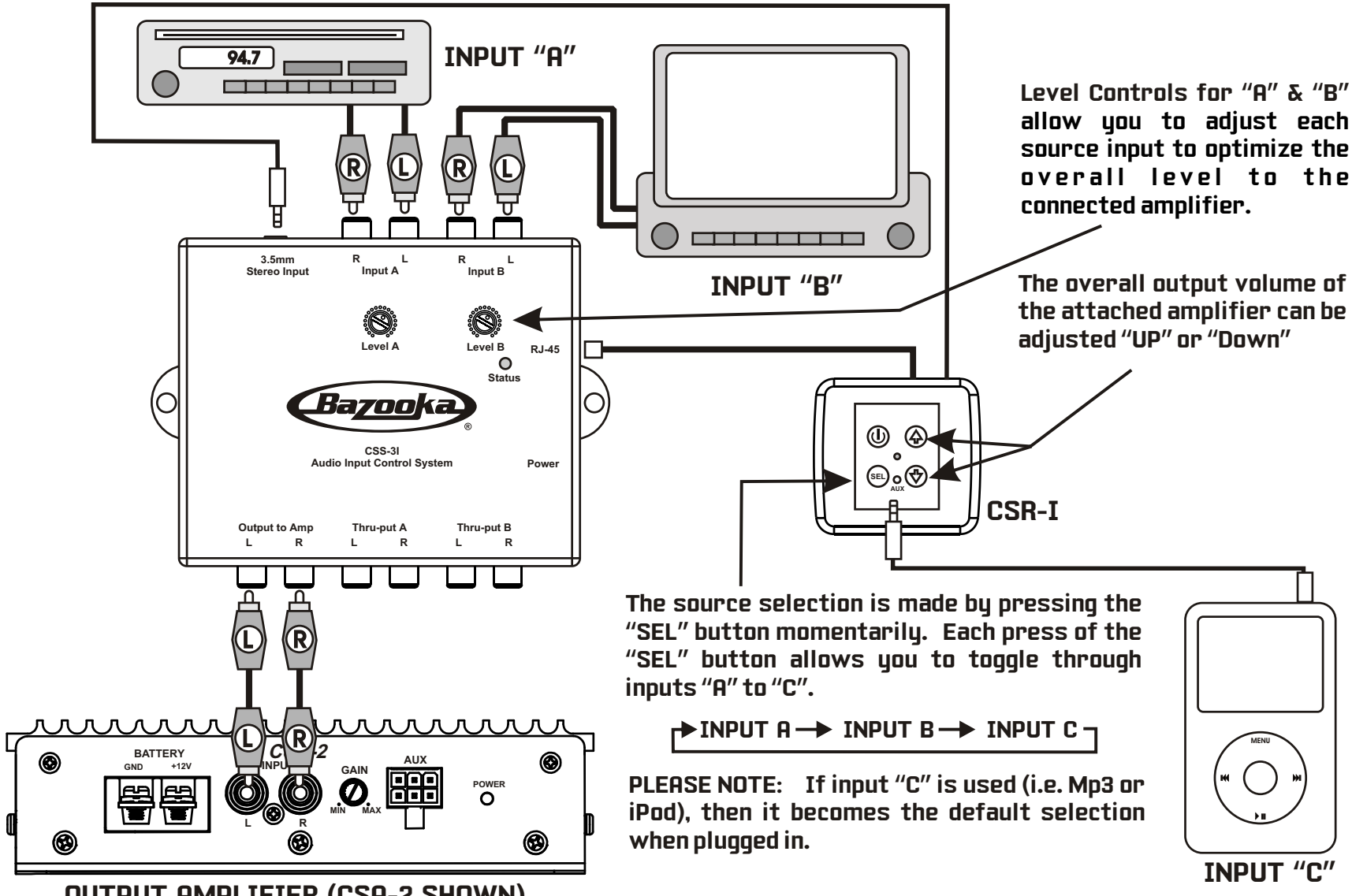

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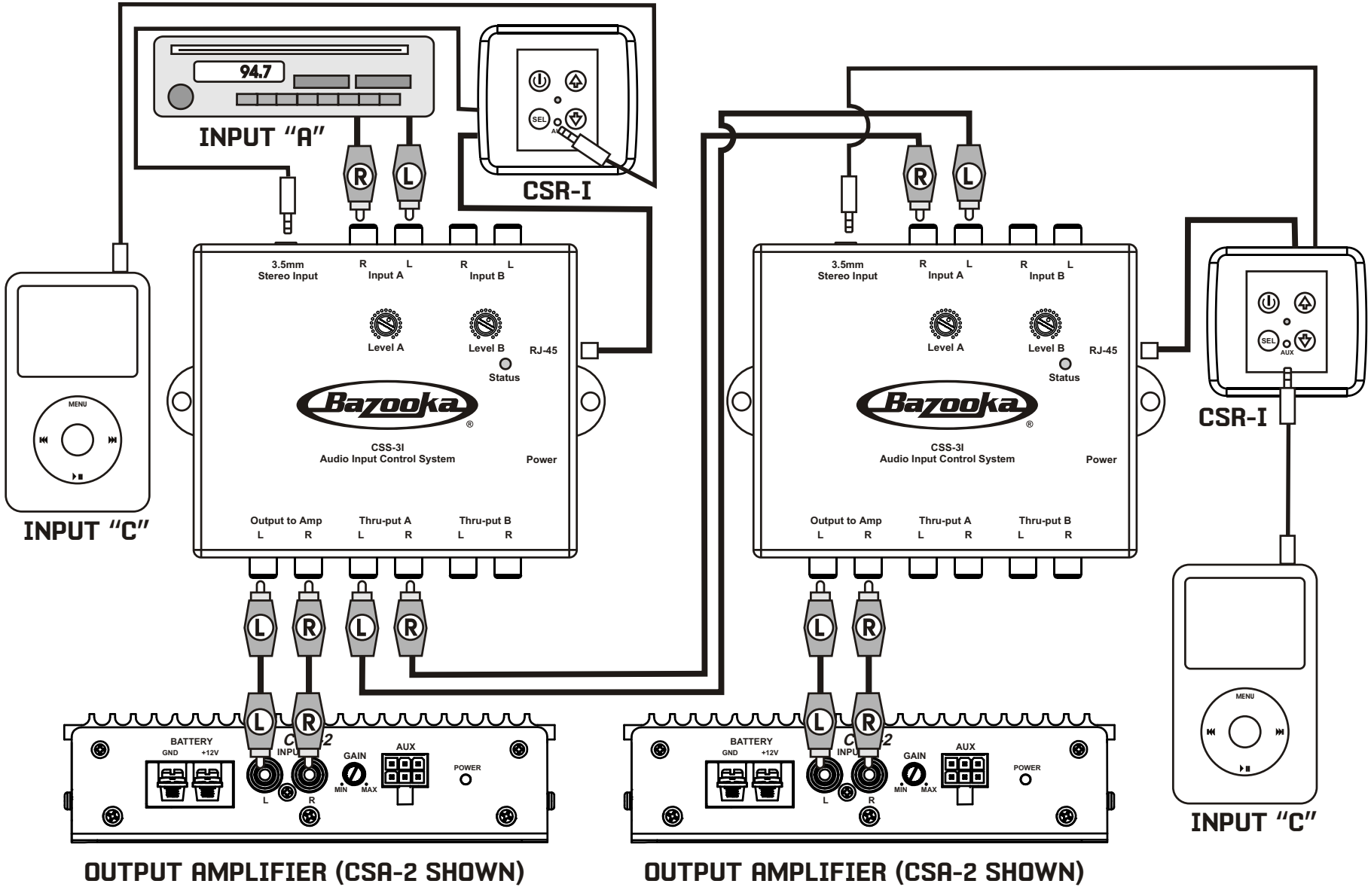
USING CSS-3I FOR MULTIPLE ROOM APPLICATIONS

The following example shows how multiple CSS-3I's can be connected to share one input source. The CD Player (Input A) signal is passed to the second CSS-3I so that when "Input A" is selected, the CD player can be played through the system in the second room.



TROUBLE SHOOTING THE SYSTEM

We have put together this trouble-shooting guide if you experience problems after installing the CSS-31. Please keep in mind that the majority of problems incurred are caused by improper installation and not the equipment itself. In addition, there are many components in the system that could cause various signal problems such as inducted electrical noise and engine noise.

Before you can properly address the problem, you must first find the component that is causing the problem. This will take patience and a process of elimination.

LOOK FOR....	SOLUTION
No Output	
Blown fuse	Replace
Bad RCA Cable(s)	Replace
+12V at power wire	Check connection
+12V at remote wire	Check connection
Grounding point clean and tight	Check for ground w/meter
Head Unit's fader not in center position	Set to center position
Low Output	
Check level adjustments	Re-adjust
Bad RCA cable(s)	Replace
Improper level setting	Re-adjust
Engine Noise	
Grounding points are clean and tight	Check for ground w/meter
Ground all components at same point	Ground at same point
Try different grounding point	Change for better ground
Bad RCA cable(s)	Replace
Use High Quality shielded RCA cables	Rejects inducted noise
Low Vehicle charging system and/or battery	Fix and/or replace
Music Stops Playing (Possible Amplifier Problem)	
Speaker short	Check speakers connection for short circuit
Speaker grounding out	Make sure speaker wires do not touch ground
Impedance too low	Check speaker impedance (Min 2 ohm Stereo)
Overheating	Check mounting location for Adequate air Circulation Speaker impedance too low

SPECIFICATIONS

CSS-3I

Inputs:	
Low Level (RCA)	2 Pairs
3.5mm Jack	1 Stereo
Outputs:	
Amplifier	1 Pair
Thru-put "A"	1 Pair
Thru-put "B"	1 Pair
Frequency Response	10Hz-100KHz
S/N Ratio	>77dB
THD (Thru-put A & B)	0.001%
THD (Output to Amplifier)	0.02%
Input Jack for CSR Connection	RJ-45
Battery Voltage Range	9.5VDC-16VDC
Fuse	2A x1

Due to continuing product improvement, specifications subject to change without notice.

LIMITED WARRANTY

Southern Audio Services, Inc., warrants all products to be free from defects in material and workmanship for a period of one (1) year from the date of purchase. In the event the product is not as warranted, SAS' sole obligation shall be to repair or replace the defective product at SAS' option: SAS limits its obligation under any implied warranties under state laws to a period not to exceed the limited warranty period. SAS and its authorized BAZOOKA® dealers specifically disclaim liability for any incidental or consequential damages. Some states do not allow limitations on how long an implied warranty lasts, and some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusions may not apply to you. This warranty gives you specific legal rights, and you may have other rights, which vary from state to state.

What is covered: This warranty covers all defects in materials or workmanship (parts and labor) in the product.

What is not covered: This warranty does not cover the following:

1. Damages occurring during shipment of the product to SAS for repair (Claims must be presented to the carrier).
2. Damages caused by accident, abuse, negligence, misuse or improper Operation or installation.
3. Damages caused by an act of God, including without limitation, fire, flood Storm or other acts of nature.
4. Any product, which has a serial number, defaced, altered, modified, or removed.
5. Any product that has been altered or modified without SAS' consent.

How to obtain warranty services:

1. You are responsible for delivery of the product to an authorized BAZOOKA® dealer or contact SAS at 1-800-THE-TUBE for a Return Authorization number. The Return Authorization number must be clearly written on the outside of the box. Freight must be prepaid to SAS. Warranty replacement parts will be returned freight prepaid. The entire enclosure may be returned for warranty service, but return will be freight collect.

2. You must provide proof of the date of purchase of the product. If proof of purchase is not provided, original date of manufacture will be used to determine warranty period.

3. You must package the product securely to avoid damage during shipment.

4. After acquiring a Return Authorization number, ship to the address below. Please complete this section and retain for your records.

Model(s) purchased _____

Serial number(s) _____

Date Purchased _____

Dealer's name _____

If you have any questions contact the Bazooka Mobile Audio tech dept. at:
Phone: 225-272-7135 Fax: 225-272-9844
Email - tech@bazooka.com Website - www.bazooka.com

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