



BP1204

INSTALLATION/OWNER'S MANUAL

illuminITE™





Getting Started

Thank you for purchasing the Dual Electronics BP11204 Bandpass [Subwoofer](#) System. Although Dual has attempted to ensure the information in this manual is accurate, please be aware that any part of it is subject to change without notice.

Safety



CAUTION

THE FOLLOWING INSTRUCTIONS ARE DESIGNED TO ENSURE SAFETY DURING INSTALLATION AND USE OF THE BP1204. FAILURE TO HEED THESE INSTRUCTIONS CAN RESULT IN INJURY OR DAMAGE TO THE UNIT.

- To prevent injury and damage to the unit, please read and follow the instructions in this manual.
 - If you feel unsure about installing this system yourself, have it installed by a qualified audio technician.
 - Before installation, disconnect the battery negative (-) terminal to prevent damage to the unit, fire and/or possible injury.
 - Do not connect amplifier or any audio source to illumination inputs. These inputs are designed for 12 volt power only.
 - Illuminite inputs are designed for 12 volt DC power source only. Do NOT connect your illuminite product directly to your battery permanently, as it will cause your battery to discharge. Please use a switched 12 volt source.
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Installation

The following installation instructions are very basic. If you feel unsure about installing this speaker system yourself, Dual recommends acquiring the services of a professional car audio installation center.

Before installation, please review the following guidelines:

1. Be sure to carefully read and understand the instructions before attempting to install this product.
 2. For safety, disconnect the battery negative terminal prior to beginning the installation.
 3. If additional wiring is required, we recommend running all wires prior to mounting your speaker in place.
 4. To ensure reliable performance and minimize signal or power loss, use the highest quality connectors available.
 5. Use caution before you drill or cut! Be careful not to cut or drill into gas tanks, fuel lines, brake or hydraulic lines, vacuum lines or electrical wiring when working on any vehicle.
 6. Never run speaker wires underneath your vehicle. Running speaker wires inside the vehicle provides the best protection from exhaust, heat and environmental elements.
 7. Avoid running wires over, near or through sharp-edged surfaces. We suggest you also use rubber grommets to protect any wires routed through metal, especially the firewall.
 8. When running the speaker cable from the amplifier, avoid running it near sources of high current (i.e. wiring harnesses, battery cables).
 9. When connecting the amp, the positive (+) speaker output from the bass amp connects to the positive (+) terminal and the negative output (-) connects to the negative (-) input terminal on the input cup located on the rear of the subwoofer enclosure. **DO NOT CONNECT AMP OR ANY AUDIO SOURCE TO ILLUMINATION INPUTS, AS DAMAGE TO LIGHTS WILL OCCUR.**
 10. For the illumination connection, the positive (+) output from your 12V system connects to the positive (+) input and the negative (ground) connects to the negative (-) input on the input cup located on the rear of the subwoofer enclosure. Improper 12V polarity will not cause damage to the lights, but they will not illuminate.
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Enclosure Guidelines

To achieve the best possible sound from this subwoofer enclosure, Dual recommends acquiring the services of a professional car audio installation center.

If you feel confident in your ability to install this product without the assistance of a professional, please read this section thoroughly. We have provided a number of placement recommendations and installation tips to assist you. Keep in mind that these are provided as a guideline and you may find that other placements may provide better results for your specific vehicle.

- Make sure all moving parts and factory electrical wires are out of the way and will not interfere after installation.
- Ensure the wire is of sufficient length to avoid pulling or stretching. This is even more important if the wires will be run under or through the factory interior.
- Use electrical tape and wire ties to ensure all wires are properly secured.
- Avoid installing speakers or electronics where they can be subject to moisture.
- Ensure the speaker wires are connected using correct polarity. The positive polarity is marked by a (+) sign. Incorrectly connected subwoofers will result in limited bass output.
- Ensure the Illuminite wires (12V) are connected using correct polarity. Do not connect an amplifier or any audio output source to the Illuminite inputs, as doing so will cause permanent damage to the lighting elements.
- Speaker wire should be isolated from the vehicle's electrical system to avoid noise being picked up by the amplifiers.
- We recommend using 14 gauge or larger sized speaker wire to ensure your subwoofer receives the full power output of your amplifier.
- Remember to listen responsibly and respect your ears. Being exposed to sounds over 125dB for even short periods of time can create permanent hearing loss!

Illuminite™ Lighting Hook-Up

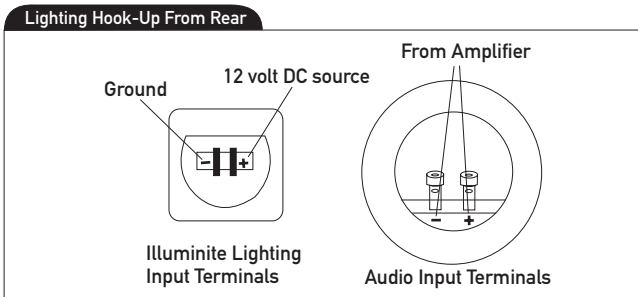
Dual's patent-pending Illuminite bulb system and control circuitry provide for extraordinary blue illumination, allowing for creative, color-coordinated installations. The interior of your vehicle will never sound or look ordinary again! Let your imagination take you there.

The lighting features of all Illuminite products require a 12V power source to operate. The speaker has two distinct sets of input terminals. The first is labeled "audio input" and the second is labeled "Illuminite lighting inputs". The inputs are clearly marked with a label positioned directly above the terminal housing. The polarity (+ and -) indicators for each set of inputs also appear on these labels.

1. Do not connect your amplifier or any audio source to the Illuminite inputs. These inputs are designed for switched 12V DC power only. Do not connect directly to your battery permanently, as it will cause your battery to discharge. Please use a switched 12V source.
2. See Fig. 1a, (illustrated wiring diagram) to be sure to maintain polarity. Be sure to connect to a switched 12 volt source. Proper connection would be the positive (+) 12V wire to the positive (+) Illuminite input terminal and the negative (-) Illuminite input terminal to a solid chassis ground.

**DO NOT CONNECT AMP OR ANY AUDIO SOURCE TO ILLUMINATION INPUTS.
DAMAGE TO LIGHTS WILL OCCUR, AND WARRANTY WILL BE VOID!**

Fig 1a



Note: The BP1204 Illuminite lights are not removable. There are no serviceable parts inside or attached to the speaker assembly. The BP1204 is a sensitive electronic device. Removal of or tampering with any part of the speaker and/or its assemblies will damage the product and void the warranty.



General Features

- **Input Terminal Cup**
The input terminal cups provide a quick and easy connection from your amplifier to the enclosure, and 12 volt inputs to power the Illuminite feature.
- **Computer-Tuned Acoustic Chamber**
Dual's enclosures utilize a specialized tuned-port, computer-aided design to increase output efficiency.
- **Low Q Optimized Subwoofers**
The subwoofers are designed to create loud yet very accurate bass.
- **Curved Plexiglas Viewing Window**
- **Extremely Durable Carpeted Enclosure**
- **Nailed and Glued Construction with Added Bracing**
This construction eliminates enclosure movement caused by high sound pressure levels.
- **In-Line LED Protection Circuitry**
- **On-Off Illuminite Toggle Switch**
- **Removable Illuminite Logo**
This static poly logo can be placed on any window or glass surface.