



# XOBP12D Bandpass Enclosure

INSTALLATION/OWNERS MANUAL

***illumi*NITE™**





# Getting Started

Thank you for purchasing the Dual Electronics XOBP12D Bandpass Subwoofer System. Although Dual has attempted to make sure all of the information contained within this manual is accurate, please be aware that any part of it is subject to change without notice.

## Safety

**CAUTION**

This symbol is intended to alert the user to the presence of important instructions. Failure to heed these instructions can result in injury or damage to the unit.

**CAUTION**

To prevent injury and damage to the unit, please read and follow the instructions in this manual.

**CAUTION**

If you feel unsure about installing this system yourself, have it installed by a qualified audio technician.

**CAUTION**

Before installation, disconnect the battery negative (-) terminal to prevent damage to the unit, fire and/or possible injury.


**CAUTION**

Do not connect Amplifier or any audio source to illumination inputs. These inputs are designed for 12 volt power only.

**CAUTION**

Illuminix inputs are designed for 12 volt DC power source only. Do NOT connect your illuminix product directly to your battery permanently, as it will cause your battery to discharge. Please use switched 12 volt source.

## Installation

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

**Before installation, please review the following rules:**

1. Be sure to carefully read and understand the instructions before attempting to install this product.
2. For safety, disconnect the negative terminal from the battery prior to beginning the installation.
3. For easier assembly: If additional wiring is required, we recommend running all wires prior to mounting your speaker in place.
4. Use the highest quality connectors for a reliable installation and to minimize signal or power loss.
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. Amp connection: 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. 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.



# 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 these are provided as a guideline and you may find that other placements specific to your vehicle may provide better results.

- 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 Recommendations

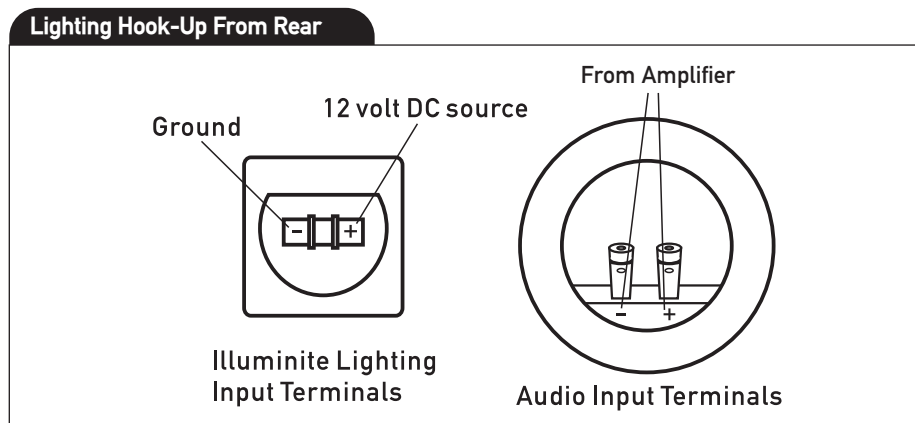
Dual's patent-pending Illuminite bulb system and control circuitry provide for extraordinary blue illumination, allowing for creative color-coordinating installations. The interior of your vehicle will never sound or look ordinary again! Let your imagination take you there.

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



Notice: The XOBP12D Illuminite lights are not removable. There are no serviceable parts inside or attached to the speaker assembly. The XOBP12D is considered to be a sensitive electronic device. Removal or tampering with any part or portion 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 the output efficiency
- Low Q optimized subwoofers will create loud yet very accurate bass
- Curved Plexiglas Viewing Window
- Super durable carpeted enclosure
- Nailed and glued construction with added bracing is used to eliminate enclosure movement caused by high sound pressure levels
- In-line LED protection circuitry
- On-Off Illuminite toggle switch
- Removable Illuminite Logo made of static poly material can be placed on any window or glass surface



## Limited One-Year Warranty

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

Dual Electronics Corp. warrants this product to the original purchaser to be free from defects in material and workmanship for a period of one year from the date of the original purchase.

Dual Electronics Corp. agrees, at our option, during the warranty period, to repair any defect in material or workmanship or to furnish an equal new, renewed or comparable product (whichever is deemed necessary) in exchange without charges, subject to verification of the defect or malfunction and proof of the date of purchase. Subsequent replacement products are warranted for the balance of the original warranty period.

### Who is covered?

This warranty is extended to the original retail purchaser for products purchased and used in the U.S.A.

### What is covered?

This warranty covers all defects in material and workmanship in this product. The following are not covered: installation/removal costs, damage resulting from accident, misuse, abuse, neglect, product modification, improper installation, incorrect line voltage, unauthorized repair or failure to follow instructions supplied with the product, or damage occurring during return shipment of the product.

### What to do?

1. Before you call for service, check the troubleshooting guide in your owner's manual. A slight adjustment of any custom controls or connections discussed in your instruction booklet may save you a service call.
2. If you require service during the warranty period, you must carefully pack the product (preferably in the original package) and ship it by prepaid transportation with a copy of the original receipt from the retailer to an authorized service center.
3. Please describe your problem in writing and include your name, a return UPS shipping address (P.O. Box not acceptable), and a daytime phone number with your shipment.
4. For more information and for the location of the nearest authorized service center please contact us by one of the following methods:

Call us toll-free at 1-866-382-5476

E-mail us at [cs@dualav.com](mailto:cs@dualav.com)

**Exclusion of Certain Damages:** This warranty is exclusive and in lieu of any and all other warranties, expressed or implied, including without limitation the implied warranties of merchantability and fitness for a particular purpose and any obligation, liability, right, claim or remedy in contract or tort, whether or not arising from the company's negligence, actual or imputed. No person or representative is authorized to assume for the company any other liability in connection with the sale of this product. In no event shall the company be liable for indirect, incidental or consequential damages.



**Dual Electronics Corp.**  
21318 64th Ave. South  
Kent, WA 98032  
Toll Free: 1-866-382-5476  
[www.dualav.com](http://www.dualav.com)  
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