

FX-BP121

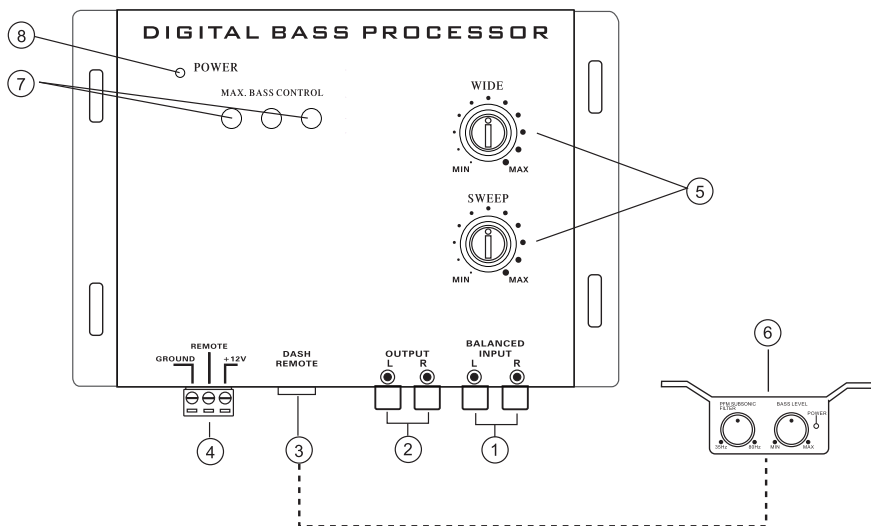
QFX

WHERE THE PARTY BEGINS™



INSTRUCTION MANUAL

Functions



- 1. Inputs:** Use this inputs connected with your head unit / DVD output, the input circuit will reduce noise from your music source. And the input circuit can handle high signal voltage up to 15 volts.
- 2. Outputs:** Use these connectors to connect the next component of your system after the such as a crossover, equalizer, or amplifier. Please make sure, should go inline before a crossover.

3. Dash Remote Control

4. Power Connector

5. Wide and Sweep Controls: The SWEEP control is for select the center frequency that you want the bass restoration circuit to maximize. The WIDE knob is for adjusts the wide of a frequency range the will effect.

6. The PFM Subsonic Filter Switch: The utilizes a PFM Subsonic Filter Control which will help with speaker control and amplifier power management. This PFM Subsonic Filter Control can be set with frequencies selections from 35Hz- 80Hz. On most systems, setting at 35Hz is fine. If you want to protect your speaker system even more, you should try a higher frequency, often a higher frequency actual sounds louder and cleaner.

Bass Level Control

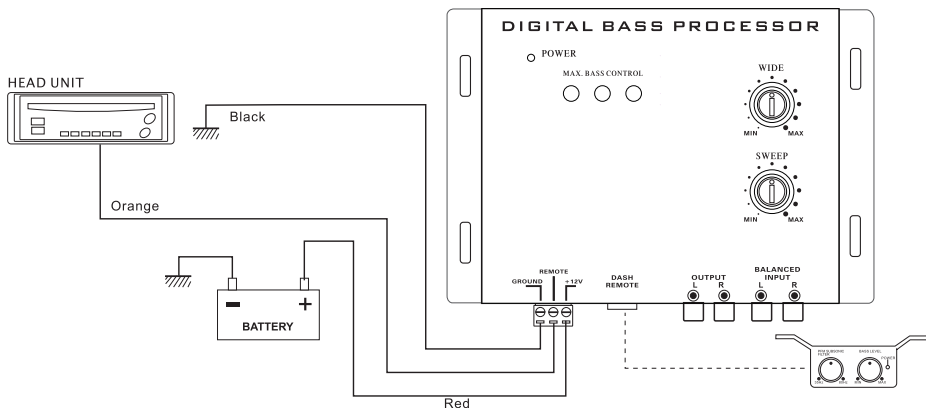
7. Bass Maximizer Indicator: These three LED indicators flashes when the bass maximization circuit is activated.

8. Power On LED.

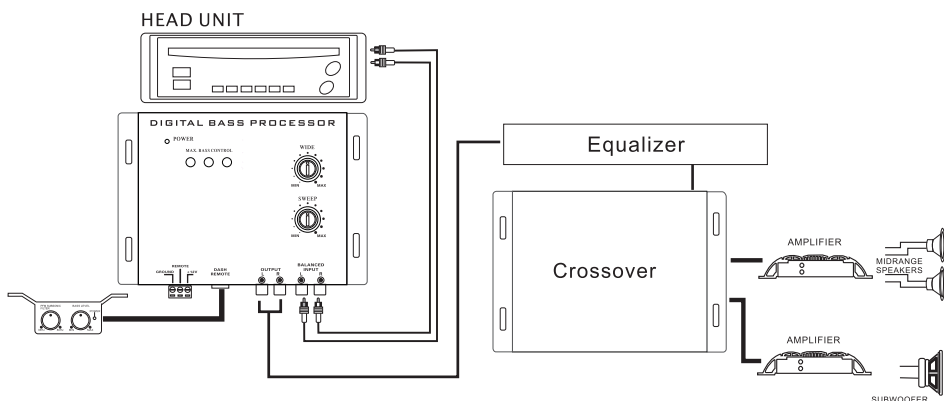
ELECTRONIC CONNECTIONS & WIRING

Power connection

- **B+(12V)** : Connect a red wire to the car battery or other power source.
- **REMOTE** : Connect an orange wire to remote activating (12V DC) wire of car stereo or equalizer.
- **GND** : Connect a black wire to the car chassis for ground connection.



Signal Connection



NOTE: For signal connection, the output RCA connectors should be connected to the next component after the , such as a crossover, equalizer, or amplifier. Just remember, the should go inline before a crossover.

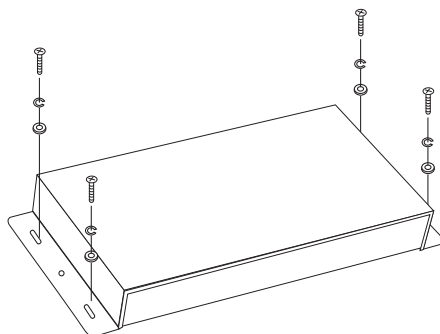
Installation

1. Find a suitable location in the vehicle to mount the crossover.
2. Bolt the DIGITAL BASS PROCESSOR to the mounting surface.
3. Using the screw terminals provided, connect minimum 16 gauge wire from the Power, Ground and remote terminals. Connect the shortest possible wire to a chassis ground point. The (+)12V connection should be made directly to the car battery, and the remote should be connected to the Remote Turn On Lead of your head unit. When connecting directly to the battery, install a 1A Fuse within 18 inches of the battery terminal.
4. Connect all line inputs and outputs using high-quality RCA cables.
5. Recheck all connections before powering up.
6. Set all level controls to their minimum positions and set all crossover control switches to the desired frequency or position.
7. Once the system is powered up, set the volume control on the head unit to a moderate level where your normal speaking voice can be heard while the music is playing.
8. Further fine tuning of the various controls may be necessary to obtain the desired results.
9. When unsure about installation or system tuning, please consult an authorized dealer.

TAPPING SCREW

SPRING WASHER

PLAIN WASHER



Trouble Shooting Guide

If the Unit does not turn-on, and / or the power indicator LED is NOT illuminated, do this:

- 1) Check and make sure that B+ and GND are not reversed
- 2) Check that all power wires are properly connected and has the appropriate potential (11- 16 volts)
- 3) Check that the fuse is intact.

If you experience high audible distortion or low output volume:

- 4) Check that the input and output levels are set correctly. Input should match the source and output should match the sensitivity of the host.
- 5) Check the settings of the unit; make sure they are correct.

If you experience whining or engine noises:

- 6) Verify that the GND connection is secure, the conductor (wire) is not too thin and unnecessarily long.
- 7) Check that the B+ wire is not too thin and unnecessarily long.
- 8) Change the power source; try taking power from a different point.



LIMITED PRODUCT WARRANTY POLICY

Before returning your Product for service under this Warranty, please (i) read the instruction manual carefully and visit our website at www.qfxusa.com for Product updates and extended support documentation (e.g., Common Troubleshooting Guides); (ii) if you are still having trouble with your Product, please contact the QFX Customer Support Department.

Subject to the terms and conditions herein, QFX, Inc. (herein after called "QFX") warrants to the original purchaser of the Product ("Customer") that for the applicable Warranty Period listed below, the Product will be free from defects in material or workmanship under normal, non-commercial use ("Defects").

Warranty Period encompasses, as listed below, separate "Coverage Periods" for Parts and Labor, each Coverage Period to begin from the original date of Customer purchase. If Customer returns a defective Product (or any component thereof) during the applicable Warranty Period, QFX will, at its option, during the specified Coverage Periods for Parts and Labor (as applicable either: (i) repair the Product (or, as applicable, any component thereof) or (ii) replace the Product (or, as applicable, any component thereof) with a new or refurbished Product (or, as applicable, any component thereof), in either case free of charge to Customer for Parts and/or Labor (as applicable) during the specified Coverage Period only, and excluding applicable shipping charges (noted below), for which the Customer is responsible. The foregoing states the Customer's exclusive remedy and QFX sole liability for breach of the limited warranty contained herein.

This warranty covers only normal use. This warranty is not transferable. QFX is not responsible for warranty replacement should the QFX label or logo be removed or should the product fail to be properly maintained or fail to function properly as a result of misuse, abuse, immersion in liquids, improper installation, improper shipping, damage caused by disasters such as fire, flood, or service other than by QFX. In addition, this warranty excludes any Product (or, as applicable, any component thereof) that has been subject to or Defects resulting from: (a) any neglect or misuse by a Customer, an accident, improper application, violation of operating instructions for the Product, any other Customer-induced damage, or the alteration or removal of any Product serial number; (b) any modification or repair to Product (or, as applicable, any component thereof) by any party other than QFX or a party authorized in writing by QFX; (c) any damage to Product (or, as applicable, any component thereof) due to power surges, incorrect electrical voltage, misconnection to any device, or malfunction of any device used with the Product (or, as applicable, any component thereof); (d) cosmetic damage to the Product (or, as applicable, any component thereof) caused by normal wear and tear; (e) shipping damage that occurs while the Product is in transit; (f) damage caused by heat sources, sunlight, electromagnetic conditions, or other climatic conditions or (g) any acts of God.

Product is sold to Customer for personal, non-commercial use only. Product is not warranted for Customer's commercial or rental use. In addition, Product is not warranted against failure, and should not be used by Customer for any application where (i) there is a risk that any data stored on Product will be breached or otherwise compromised, or (ii) the data stored on Product is relied upon for medical or lifesaving applications. QFX disclaims any Warranty for any of the foregoing uses to the fullest extent permitted by law. Customer assumes any and all risks associated with such uses of Product, and agrees to indemnify QFX for any damages claimed against QFX for such uses.

EXCEPT FOR EXPRESS WARRANTIES STATED ABOVE AND TO THE MAXIMUM EXTENT PERMITTED BY LAW, THE PRODUCTS ARE PROVIDED "AS IS" AND QFX DISCLAIMS ALL OTHER WARRANTIES, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY (i) OF MERCHANTABILITY, (ii) OF FITNESS FOR A PARTICULAR PURPOSE, OR (iii) OF NON-INFRINGEMENT OF THIRD PARTY RIGHTS. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT WILL QFX BE LIABLE TO CUSTOMER OR ANY THIRD PARTY FOR ANY INDIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL, EXEMPLARY OR PUNITIVE DAMAGES, INCLUDING, WITHOUT LIMITATION, ANY LOST PROFITS OR REVENUES, LOSS OR INACCURACY OF ANY DATA OR COST OF SUBSTITUTE GOODS, REGARDLESS OF THE THEORY OF LIABILITY (INCLUDING NEGLIGENCE) AND EVEN IF QFX HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, QFX AGGREGATE LIABILITY TO CUSTOMER FOR ACTUAL DIRECT DAMAGES FOR ANY CAUSE WHATSOEVER SHALL BE LIMITED TO THE CUMULATIVE PRODUCT FEES PAID BY THAT CUSTOMER FOR THE PRODUCTS CAUSING THE DAMAGES, IF ANY.

This Warranty gives Customer specific rights, and Customer may also have other rights that vary from jurisdiction to jurisdiction. Warning: Some Products may contain components that are small enough to be swallowed. Please keep out of reach of children. In order for the return to be processed, you must send the Product PREPAID to the address below in the original packaging or reasonable substitute to prevent damage and include: (1) a dated sales receipt (which must have a purchase date that falls in the Warranty Period specified in the table below) that indicates the place of purchase, model number of Product, and amount paid, (2) a detailed description of Customer's problem with Product, (3) Customer's full name, phone number, and return address, (4) all of the accessories that came with the Product package must be sent along with the main Product, (5) a cashier's check or money order payable to QFX, Inc., in the amount specified for the item in the product table below for return shipping and handling. If in the case you cannot provide a money order or cashier's check, you can contact The QFX Customer Support Representative to arrange payment via credit card. No returned Product will be shipped back to a PO BOX. If a returned Product is found to have no problem and/or does not include ALL of the requirements indicated above, it may be returned back to the customer and will not be processed.

QFX USA®, Inc.
RMA Processing
Customer Support Department
2957 E. 46th Street | Vernon, CA 90058

support@qfxusa.com
(800) 864-CLUB (2582) or (323) 864-6900
qfxusa.com
Hours of Operation: Monday - Friday, 9am - 5pm PST

All prices and details below are for US Destinations excluding, Hawaii, Alaska and Puerto Rico. For excluded destinations and NON US destinations, please contact The QFX Customer Support Department directly for additional shipping fees and return instructions.

If you do not find your Product below, your Product model conflicts with multiple categories, and/or are unsure of which category the Product you have purchased will fall under, please contact our Customer Support Department for further instruction.

In order to determine the exact shipping cost that must be included with your prouuct or paid for the product being returned, please refer to the table below. Please find the product you wish to return by category or model number prefix. QFX will not provide any return or refund to any customer for merchandise and will only honor the Limited Warranty restrictions mentioned in this document.

Please make sure to follow all directions prior to shipping back your item. If you are not sure what the shipping cost for your item is, or if your item category conflicts in the table below, please feel free to contact the QFX Support Department for further assistance.

PRODUCT CATEGORY	HANDLING	LABOR	PARTS
Earphones, Headphones, Pocket Radios, & Small Bluetooth vSpeakers	\$5.00	1 Year	1 Year
Personal Stereos	\$10.00	1 Year	1 Year
Portable Radio/Cassette	\$15.00	1 Year	1 Year
Large Portable Radio Cassette	\$20.00	1 Year	1 Year
Mobile Audio	\$10.00	1 Year	1 Year
Pro Audio SBX Systems	\$75.00	1 Year	1 Year
Pro Audio PBX Systems	\$75.00	1 Year	1 Year
Televisions	\$25.00	1 Year	1 Year
Telephones	\$10.00	1 Year	1 Year

THE WARRANTY AND REMEDY PROVIDED ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESSED OR IMPLIED WARRANTIES INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, NON-INFRINGEMENT OR FITNESS FOR A PARTICULAR PURPOSE. SOME LAWS DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES. IF THESE LAWS APPLY, THEN ALL EXPRESSED OR IMPLIED WARRANTIES ARE LIMITED TO THE WARRANTY PERIOD IDENTIFIED ABOVE. UNLESS STATED HEREIN, ANY STATEMENT OR REPRESENTATIONS MADE BY ANY OTHER PERSONS OR FIRM ARE VOID. EXCEPT AS PROVIDED IN THIS WRITTEN WARRANTY, QFX SHALL NOT BE LIABLE FOR ANY LOSS, INCONVENIENCE, OR DAMAGE, INCLUDING DIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, RESULTING FROM THE USE OR INABILITY TO USE THE QFX PRODUCT, WHETHER RESULTING FROM BREACH OF WARRANTY OR ANY OTHER LEGAL THEORY.

Some jurisdictions do not allow limitations on how long an implied warranty lasts, and some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations and exclusions may not apply to you. This warranty gives you special legal rights and you may have other rights which vary from jurisdiction to jurisdiction.

Copyright Protected 2024 ©


1-800-864-2582
Mon-Fri 9AM - 5PM (PST)


support@qfxusa.com
Mon-Fri 9AM - 5PM (PST)



www.qfxusa.com

THANK YOU.

QFX Where the Party Begins!

We would love to hear about your FX-BP121 Journey!
Tag us **@QFXUSA** to share your stories.

FOLLOW US @QFXUSA

