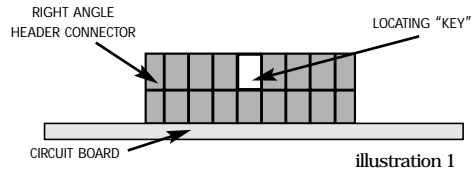


INSTALLING THE LFQ 45

STEP 1: Locating the Connector

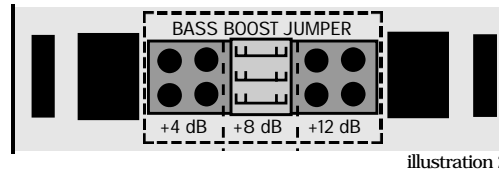
- A. Remove the LFQ 45 from the packaging and inspect the circuit board.
- B. Locate the right angle header connector soldered on the front of the circuit board. See illustration 3
- C. Tip the LFQ 45 on end and view the right angle header connector. Notice that one of the openings on the header connector is blocked by white filler material. The LFQ 45's mounting system utilizes this blocked receptacle as the "key" to insure proper positioning when installing it onto the amplifier's mounting port. See illustration 1.



INSTALLING THE LFQ 45

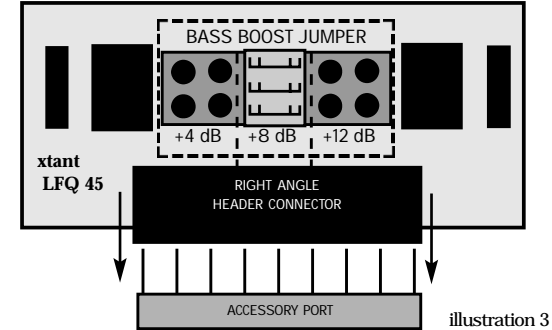
STEP 2: Adjusting the LFQ 45

- A. The LFQ 45 provides +4, +8 or +12 dB of *Bass Boost* at 45 Hz with a "Q" of 3. This frequency and "Q" combination was chosen to enhance overall bass response. To adjust the level of *Bass Boost*, move the LFQ 45's jumper to one of the three available positions. See illustration 2
- B. Make your initial *Bass Boost* adjustment to the LFQ 45 prior to installing the module in the amplifier. We suggest starting with the jumper in the +8 dB position.
- C. After listening to your initial setting, if you wish to adjust the *Bass Boost*, turn the amplifier off prior to moving the *Bass Boost Jumper*. Simply move the jumper to +4 dB to decrease or +12 dB to increase the bass output.



INSTALLING THE LFQ 45

STEP 3: Plugging-in the LFQ 45



- A. Turn-off amplifier. Remove amplifier cover and locate the Accessory Port.
- B. Remove the two header jumpers and locate the missing pin ("key") on the port.
- C. Align the blocked receptacle with the missing pin and press the LFQ 45 onto the accessory port.
- D. Turn amp on and audition sound. If further adjustment is needed, turn amp off and reposition the bass boost jumper to achieve the desired level of bass response.

LFQ 45 APPLICATION

The LFQ 45 is designed to add, 4, 8, or 12 dB of *Bass Boost* to any sound system powered by an Xtant amplifier(s).

The LFQ 45 will enhance the bass performance of any subwoofer system, sealed or ported. However, if you are using the LFQ 45 with a ported enclosure, be sure that the 45 Hz center frequency is at or above the vent tuning frequency or damage may occur to the speaker.

SPECIFICATIONS

NUMBER OF CHANNELS:	2
FREQUENCY RESPONSE:	10 HZ TO 50 KHZ
CENTER FREQUENCY:	45 HZ
FIXED "Q":	3
BOOST:	+4 dB, +8 dB OR +12 dB
THD:	< .04%
SIGNAL TO NOISE RATIO:	> 100 dB
MAXIMUM OUTPUT:	8 VRMS

FOUR - YEAR LIMITED U.S.A. WARRANTY

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Xtant Technologies (Xtant) warrants its amplifiers and accessories to be free from defects in materials and workmanship under normal use and service for a period of four (4) years from the date of original purchase when the unit is installed by an Authorized Xtant Select Dealer. Non-Authorized Dealer installed products carry a one (1) year parts and labor limited warranty. The extent and conditions of Xtant's Limited Warranty are as follows:

1. Authorized Xtant Select Dealer Installed Products: Xtant will either repair or replace at no charge, to the original purchaser, any unit which Xtant's examination discloses to be defective and under warranty, provided the defect occurs within four (4) years from the date of purchase when the unit is installed by an Authorized Xtant Select Dealer and the product is returned immediately to Xtant. This warranty is not transferable.
2. Non-Authorized Xtant Dealer Installed Products: Xtant will either repair or replace at no charge, to the original purchaser, any unit which Xtant's examination discloses to be defective and under warranty, provided the defect occurs within one (1) year from the date of purchase and the product is returned immediately to Xtant. This warranty is not transferable.
3. The date of purchase and proof of Authorized Dealer Installation of an Xtant amplifier and/or accessory must be established by an original (or copy of the original) sales receipt which must accompany the article being returned for warranty work.
4. This warranty shall NOT apply to any Xtant unit found to have the original factory serial number removed or defaced. All products received (by Xtant) for in warranty or out of warranty repair, with their original serial numbers removed or defaced, will NOT be repaired and will be returned to sender, freight collect.
5. The provisions of this warranty shall not apply to any Xtant unit used for a purpose for which it is not designed, which has been repaired or altered in any way, or which has been connected, installed, or adjusted other than in accordance with the instructions furnished in Xtant's owner's manual. Nor shall this warranty apply to any part which has been subject to misuse, neglect, or accident.
6. Xtant does not authorize any other persons to assume any other liability in connection with its products. This warranty is the only express warranty made by Xtant applicable to its products. Any implied warranty or merchantability or fitness for a particular purpose applicable to Xtant's amplifiers and or accessories is limited in duration to the duration of this limited warranty. Xtant shall not be liable for the incidental, consequential, or commercial damages resulting from the breach of this written warranty. Some states or provinces do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts; so the above limitations or exclusions may not apply to you.
7. Your unit will be serviced on an in-warranty basis within the warranty period for the correction of warranted defects. If improper operation of your Xtant product should occur, contact your Authorized Xtant Select Dealer for assistance with the return and factory repair of your Xtant product. If an Authorized Xtant Select Dealer is not available, please contact Xtant's Customer Relations Department at (602) 431 8686 from 8:00 am to 5:00 pm (MST) for assistance.

OWNER'S MANUAL 





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