

LFQ APPLICATION

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

The LFQ will enhance the bass performance of any subwoofer system, sealed or ported. However, if you are using the LFQ 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

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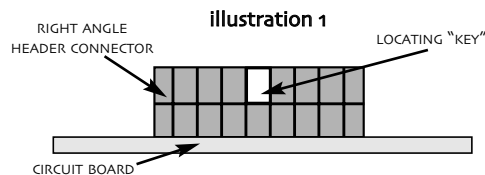
Owner's Manual – LFQ
Low Frequency Equalizer

NDM122

INSTALLING THE Lfq

STEP 1: Locating the Connector

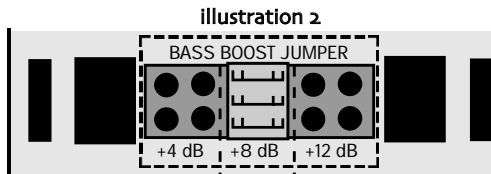
- Remove the Lfq from the packaging and inspect the circuit board.
- Locate the right angle header connector soldered on the front of the circuit board. See illustration 3
- Tip the Lfq on end and view the right angle header connector. Notice that one of the openings on the header connector is blocked by white filler material. The Lfq'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.



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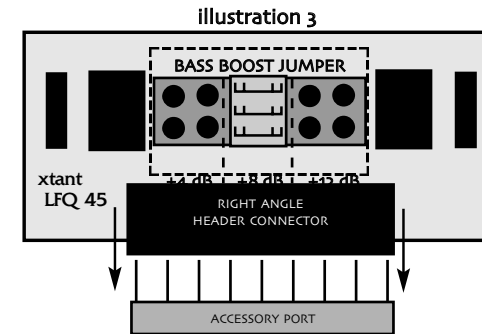
STEP 2: Adjusting the Lfq

- The Lfq 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's jumper to one of the three available positions. See illustration 2
- Make your initial *Bass Boost* adjustment to the Lfq prior to installing the module in the amplifier. We suggest starting with the jumper in the +8 dB position.
- 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.



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STEP 3: Plugging-in the Lfq



- Turn-off amplifier. Remove amplifier cover and locate the Accessory Port.
- Remove the two header jumpers and locate the missing pin ("key") on the port.
- Align the blocked receptacle with the missing pin and press the Lfq onto the accessory port.
- 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.