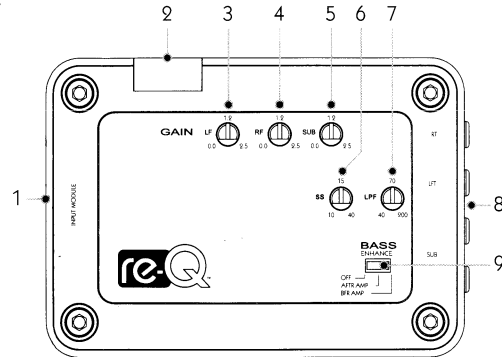




VOLUME SENSING BASS RESTORATION DEVICE™

re-Q is designed to restore bass when adding aftermarket amplifiers to a factory audio system. Most OEM systems “roll off” the bass to avoid damaging the speakers at higher volume levels. While this is acceptable when using stock speakers, it’s not desired when adding amplifiers as it limits the low frequency output of your system. Some try to fix this problem by maxing out the gains of an amplifier for added bass response at higher volumes, but when the volume is turned down, there is too much bass for the midrange and highs.

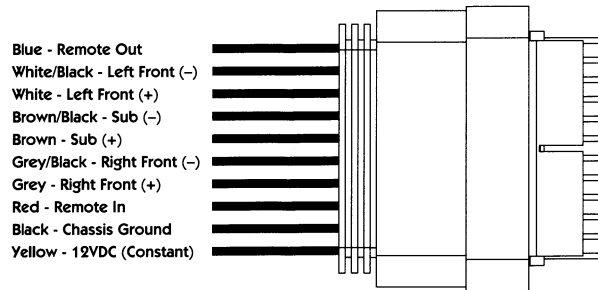
re-Q solves these problems by sensing the input from the head unit to add more bass at high volume levels, and balances the bass response at lower volume levels. You get the bass you want with added performance while keeping your factory radio and your steering wheel controls.



re-Q Features

- 1. Molex Connector Input
- 2. Power/Remote Output Indicator
- 3. Left Gain
- 4. Right Gain
- 5. Sub Gain
- 6. Subsonic Crossover
- 7. Low Pass Crossover
- 8. (2) Low Level RCA Outputs
- 9. Bass Enhancement Switch

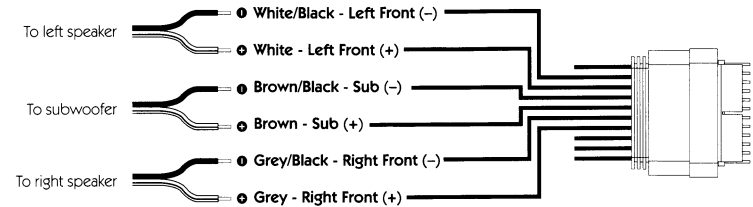
Molex® Connector Wiring



Installation

re-Q recommends that you have your device installed by an authorized re-Q dealer, preferably MECP certified.

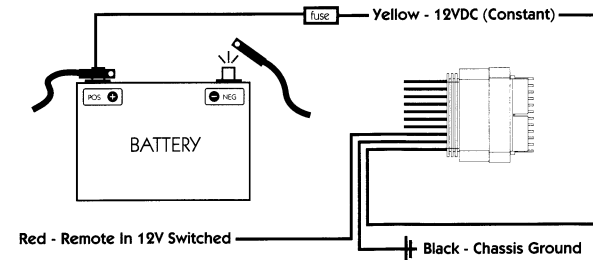
- 1 - Disconnect the negative battery terminal from your battery.
- 2 - Disconnect factory speakers and subwoofer (if applicable). Connect to signal in of the re-Q.



Tap into the factory speaker wires. Be sure to connect to the wiring at a point in the line that is receiving the signal AFTER amplification from an external amplifier or the amplifier built into the head unit. This is best achieved by connecting to the wires that are going directly to the speakers. Tap into the left channel using the White wires and the right channel using the Grey wires, making certain the ones with black stripes are tapped into the negative speaker wire.

For OEM systems without a factory subwoofer, do not connect the Sub input wire on re-Q. If the factory system is equipped with a subwoofer, connect the brown wires by tapping into the speaker wire going directly to the sub. NOTE: If adding an aftermarket subwoofer with your amplifier, it may be advisable to disconnect your factory subwoofer for the best sound.

- 3 - Connect 12V, Remote In (if not using smart engage), and ground.

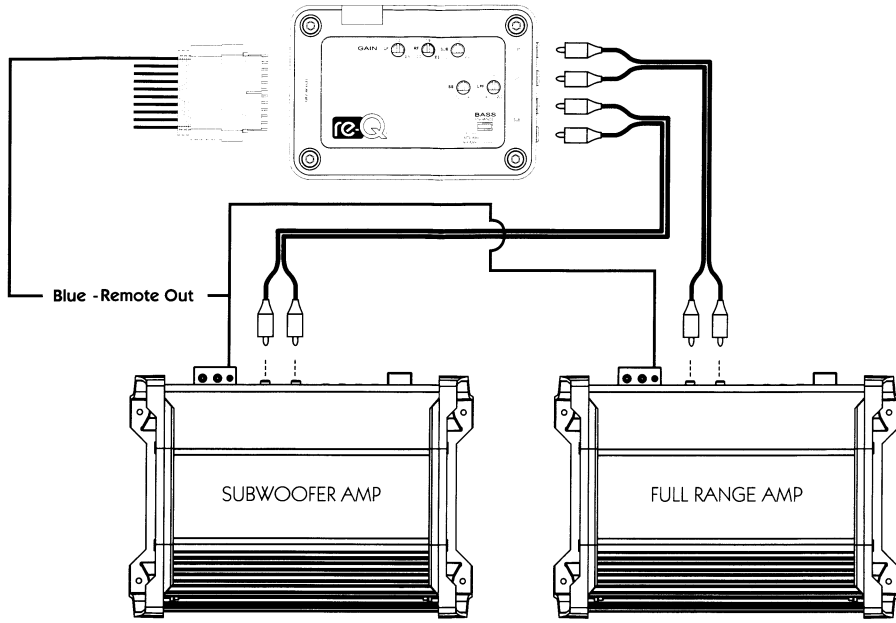


Using the provided fuse connect the Yellow (12VDC Constant) power wire from the Molex connector to the power source by tapping off your amplifier’s power wire or by running a separate wire directly to a fused constant 12V source.

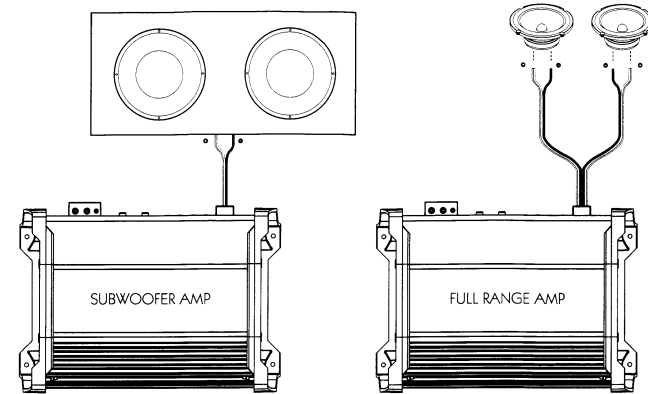
Connect the Red (Remote In) wire from the Molex connector to a switched 12V supply. **NOTE:** If using Smart Engage™ or auto-sensing turn-on system, you do not need to connect the remote wire; simply cap the wire to prevent it from shorting the system.

Connect the black (Chassis Ground) wire to the chassis of the vehicle. Scrape off all the paint to connect directly to the bare metal of the chassis. When using re-Q as a ground loop isolator, be sure to ground this wire in the same location as the amplifier ground.

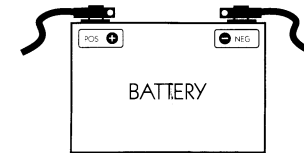
4 - Connect Remote Out and RCA cables to amplifier(s)



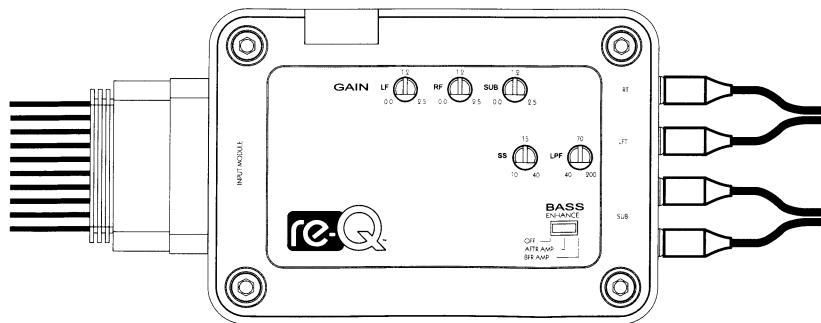
6 - Connect amplifier(s) to desired speakers and subwoofer(s)



7 - Mount re-Q and reconnect the negative battery terminal to your battery

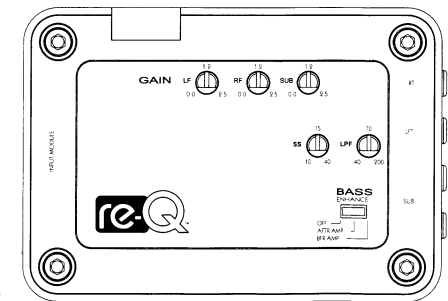


5 - Plug the Molex connector into the input slot on re-Q.



8 - Adjust the settings to maximize the performance of your system.

- 1) Set all amplifier gains and bass controls to a minimum.
- 2) Turn all settings on re-Q to their middle positions and the Bass Enhance switch to "AFTR AMP."
- 3) Set factory head unit to maximum desired listening level.
- 4) Adjust gain on full range amp to desired listening level.
- 5) Adjust gain on sub amp to desired listening level.
- 6) Adjust amplifier crossovers.
- 7) If applicable, adjust amplifier bass boost.
- 8) Fine tune system using re-Q gain and crossover controls
- 9) Listen to system at low and high volumes. If bass compensation is not enough, move Bass Enhance switch to "BFR AMP" setting and repeat adjustment steps 3 through 8.





VOLUME SENSING BASS RESTORATION DEVICE™



FACTORY SIGNAL IN ENTRÉE POUR SIGNAL D'ORIGINE

FULL RANGE OUT
SORTIE LARGE BANDE

PURE BASS OUT
SORTIE SUBWOOFER

RESTORE THE BASS
YOUR FACTORY
SYSTEM LIMITS

IDEAL FOR BOSE,
INFINITY, AND FORD
AUDIO SYSTEMS

RESTITUE LES BASSES
QUE VOTRE INSTALLATION
D'ORIGINE N'EST PAS
CAPABLE DE REPRODUIRE

IDÉAL POUR LES SYSTÈMES
BOSE OU INFINITY, ET
POUR LES SYSTÈMES AUDIO

KEEP YOUR FACTORY RADIO
CONSERVEZ VOTRE AUTORADIO D'ORIGINE

KEEP YOUR FACTORY STEERING WHEEL CONTROLS
CONSERVEZ VOS COMMANDES AU VOLANT D'ORIGINE



VOLUME SENSING BASS RESTORATION DEVICE™

Many factory audio systems are designed to limit bass output when you turn up the volume. This pre-equalization doesn't change even when you install additional amplifiers and crank up the gain. re-Q fixes this bass roll-off with a specially engineered series of algorithms to exponentially increase the bass output from any factory system. And forget constantly adjusting the bass. re-Q auto senses the signal and adjusts itself! Once you've got your bass back, re-Q lets you tailor the sound to fit your car, your music, and your style.

- Get the Most From Your Factory Audio System Especially When Adding Amplifiers
- Restore Bass Roll-off From Factory Equalization
- Easy to Install and Integrate into Factory Wiring Using a Standard or Vehicle Specific Wiring Harness
- Built-in High to Low Line Level Converter, Subsonic EQ, and Low Pass Filter
- Ideal for Bose, Infinity, and Ford Audio Systems

Input Specifications

Input Channels: Left, Right, Sub
Input Type: Differential Balanced
Input Range: 250mV - 30V

Output Specifications

Output Channels: Left, Right, Sub
Output Type: Unbalanced RCA
Max Output Voltage: 2.5V RMS Full Range, 8V RMS Sub
Signal to Noise: >90dB (A-Weighted referenced to 1V out)
THD+N: <0.1% at 1V out (20Hz- 20kHz)

Un grand nombre d'autoradios sont conçus en limitant le niveau des graves lorsque l'on monte le volume, dans le but de protéger les haut-parleurs d'origine. Cette égalisation reste active même lorsque vous connectez un amplificateur externe ou un caisson actif. Re-Q reconstruit la réponse originelle dans le grave grâce à des algorithmes spéciaux. Encore mieux ! Re-Q réajuste en permanence votre niveau de grave en fonction des enregistrements et du volume. Re-Q vous laisse tailler votre son pour votre musique dans votre voiture !

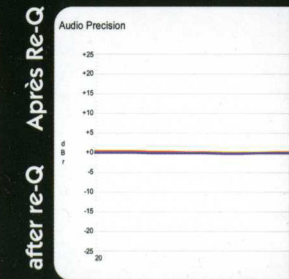
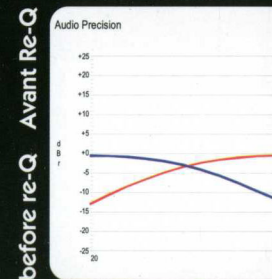
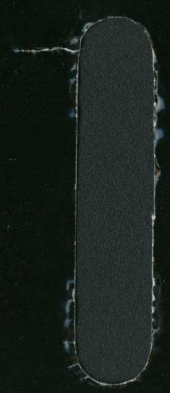
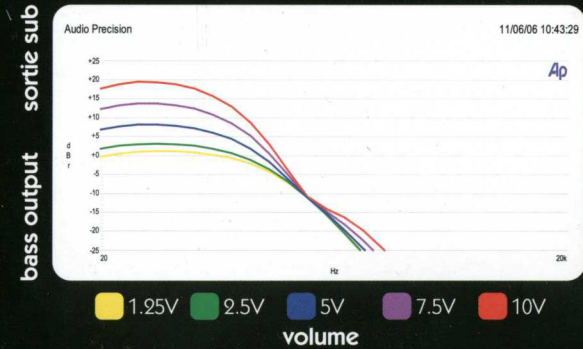
- Tirez le meilleur de votre autoradio d'origine, surtout lorsque vous utilisez un amplificateur supplémentaire
- Reconstruit la réponse dans le grave d'origine malgré l'égalisation de l'autoradio
- Très facile à installer et à connecter grâce aux faisceaux dédiés (faisceau standard aussi disponible)
- Convertisseur haut-niveau vers RCA, filtre subsonique et filtre passe-bas intégrés
- Adapté aux systèmes Bose ou Infinity, et à tous les systèmes audio

Caractéristiques : Les entrées

Entrées droite, gauche et subwoofer
 Entrées de type Différentielles balancées
 Niveau d'entrée : 250mV -30Volts

Caractéristiques : les sorties

Sorties droite, gauche et subwoofer
 Sorties de type RCA non balancées
 Niveau de sortie maxi : 2,5V RMS et 8V RMS pour la sortie sub
 Rapport signal/bruit : >90dB (1V - A-Weighted)
 THD+N: <0.1% à 1V (20Hz- 20kHz)



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 Made in China MKC002545 RevA 11/06

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