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Owner's Manuel

***XHL-66PRO***

*6 Channel Line Output Converter*



**FOR-X**

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## CONGRATULATION

### Six channel line output converter For interfacing with factory installed audio systems

We would like to congratulate you on your purchase of the Six Channel Line Output Converter; a six channel, high-performance, line output converter. This unique product will accept two, four, or six channels of speaker-level signal from a factory-installed amplifier or source unit and convert it to a high-quality, low-noise pre-amp signal. Therefore the Six Channel Line Output Converter will allow you to use your factory installed source unit but give you the ability to add a really good aftermarket amplifier and processor, Whether this is your first product or you are already a firm believer, you will definitely enjoy how great the Six Channel Line Output Converter can make your performance system sound.

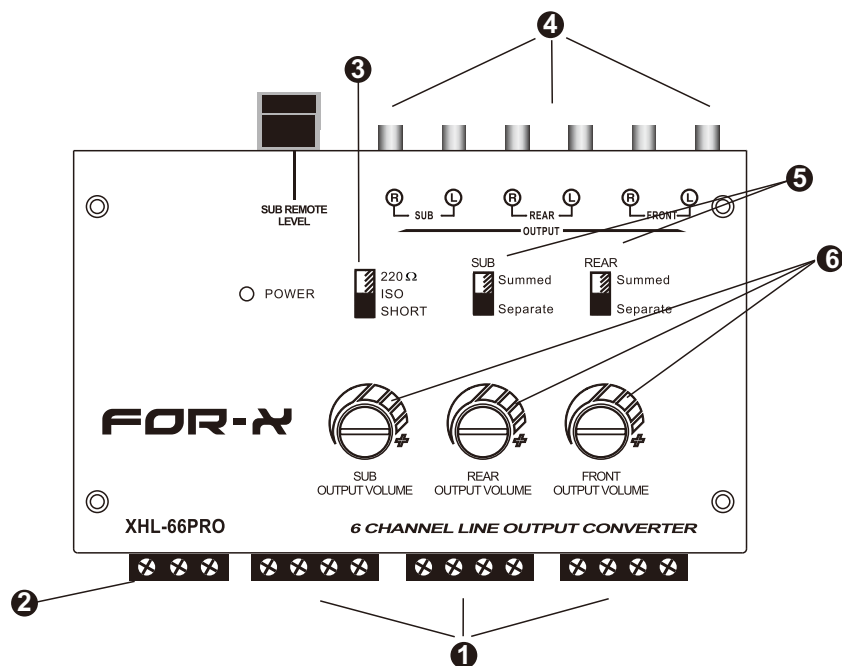
Please read these instructions carefully before beginning to install your new Six Channel Line Output Converter. Proper installation and adequate tuning will help you to get optimal sound quality results.

## FEATURES

Here are some of the cool features that your Six Channel Line Output Converter offers:

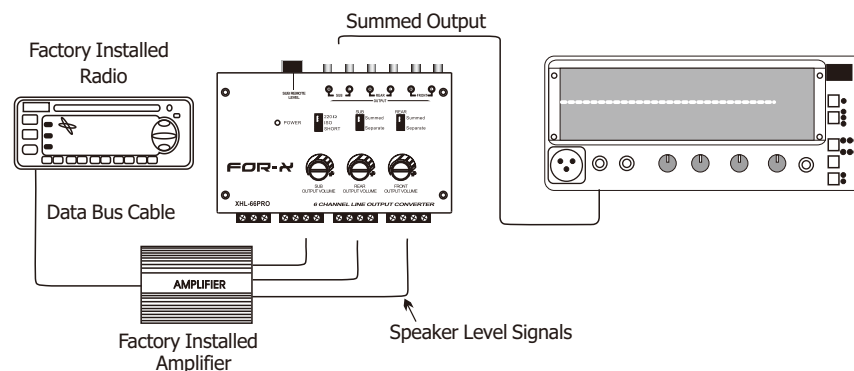
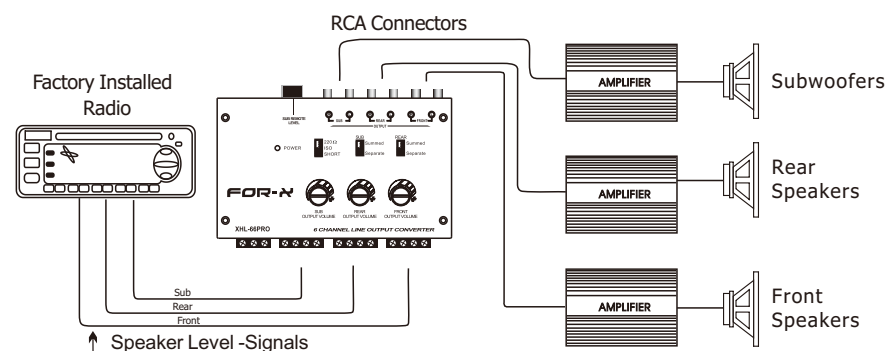
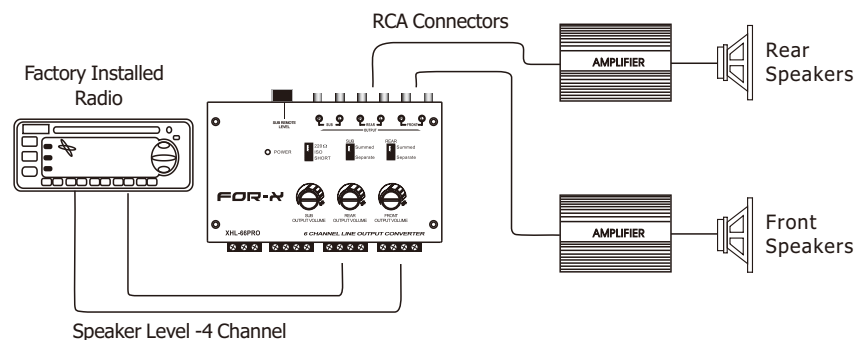
- >Six input and output channels
- >Speaker-level inputs
- >Signal sensing inputs
- >Level matching controls
- >12 volt trigger output
- >24kt gold Six Channel Output jacks.

## FRONT PANEL CONTROLS



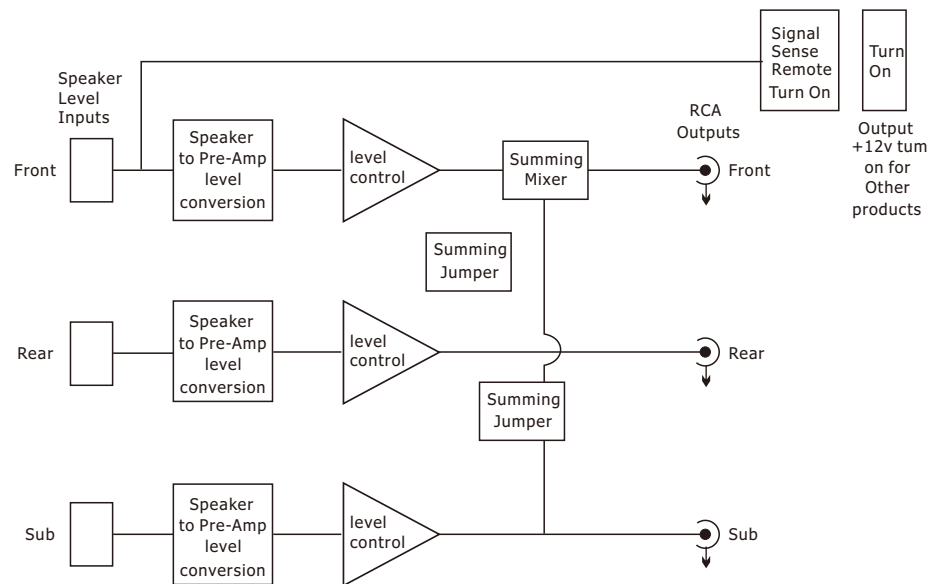
- ❶ Speaker-level Inputs -Six Speaker Level Input.
- ❷ 12 Volt Output Trigger - Gives you a separate 12 volt turn on lead for external amplifiers so there is no need to run a separate wire to the front of the car.
- ❸ Ground Isolation Selector - Occasionally alternator noise may appear in a system because the source unit and amplifier are using different grounding schemes. To help in this situation, we have provided alternative grounding connections. Make sure your system is turned OFF before you move these jumpers.
- ❹ Six Output Channels - Six Output channels that can either run independently, or be summed together internally.
- ❺ Channel Summing - The Line Output Converter internal jumpers that allow the installer to sum selected channels into the sub channels. This is especially useful for factory -installed systems with actively crossed -over speaker systems.
- ❻ Level Matching Controls -Allows the user to adjust the outputs on the Line Output Converter independently to help insure proper level matching throughout the entire system.

## ELECTRICAL INSTALLATION



Using an RTA to measure the Summed Response

## BLOCK DIAGRAM



## SPECIFICATIONS

All specifications are measured at 14.4VDC (standard automotive voltage).

- >Maximum speaker-level input ..... 60 watts @ 4 ohm
- >Maximum output level ..... 9.5 V rms
- >Output gain ..... +/-12dB
- >Frequency response ..... 10Hz-22kHz
- >Total harmonic distortion .....0.01%
- >Input Impedance ..... 180 ohms
- >Power supply ..... High headroom PWM switching
- >Power draw ..... 200 mA
- >Recommended fuse rating ..... 1 Amp
- >Remote Trigger Output Current ..... 1 Amp Max