

Why SoundGate Dealers have the edge...

The technologies used in today's vehicles are as sophisticated as found in any laptop computer. At SoundGate we believe these new technologies are full of opportunities for mobile electronic dealers across the nation. We make it a high priority to not only research these new systems, but to understand them and their impact on the aftermarket car audio industry. Armed with this knowledge, we are well equipped to help you integrate new components into these systems with our innovative, high-performance interfaces and unparalleled technical support.



Hear the Performance

www.soundgate.com

LOCPRO  **SoundGate**



Description...

The LOCPRO is designed and built to standards of quality and performance seldom seen in the OEM Integration Industry.

LOCPRO uses circuitry refined over hundreds of hours of testing to provide you with awesome sound quality, and long-term reliability.

Purpose...

The LOCPRO is a 2-channel device designed to connect new amplifiers or signal processing components to existing sound systems.

Features...

The LOCPRO offers adjustable output, full bandwidth frequency response, and low distortion. Sophisticated circuitry guarantees great performance. Inputs are convenient pigtail leads while outputs are high-quality gold-plated RCA connectors.

Maximum Input: 55 Watts

Frequency Response: 20Hz-20kHz +/- 2dB

Total Harmonic Distortion: less than 0.02% at 1kHz

We also offer a 4-channel version, the XR4PRO, with the same high quality and performance.

Be Sure To Ask Your Autosound Specialist About These Other Exciting SoundGate Products...

- Auxiliary Input Interfaces and Docking Stations which allow you to input the audio from MP3, DVD/Video, Satellite Radio, and more to OEM and aftermarket car audio systems
- High-performance Radio Replacement Interfaces for seamlessly integrating new receivers or CD players into OEM audio systems
- Remote Audio Control Interfaces that let you control aftermarket receivers and CD players from your factory rear seat, or steering-wheel-mounted audio controls.
- And many others!

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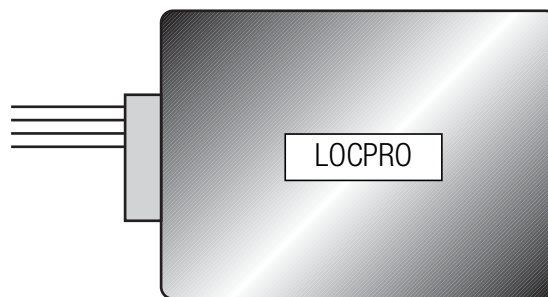
Rev 20090430

READ FIRST!!

For the best performance, we recommend connecting the LOCPRO as close to the new amplifier as possible. This keeps the signal level high, and less susceptible to vehicle-produced noise.

Violet - Right (+) input from radio
Violet/Black - Right (-) input from radio
Green - Left (+) input from radio
Green/Black - Left (-) input from radio

Connect these wires to the outputs of the radio or amplifier



Step

1

If required by your installation, gain access to your factory radio.

In most cases, LOCPRO will be installed as close to the new amplifier as possible. If installing behind the radio, carefully disassemble the dash area and remove your factory radio. Follow all precautions such as disconnecting the negative battery cable and setting the emergency brake. Especially follow warnings pertaining to working with, or around, air bags.

Step

2

Connect the LOCPRO to the amplifier or receiver's speaker output leads.

Following the diagram above, connect the speaker leads from the receiver or amplifier to the input of the LOCPRO. Please note that the LOCPRO gives you adjustable output. Adjusting the 'gain' of all components in the system is very important and will be discussed later.

Step
3

Connect the LOCPRO's RCA outputs to the amplifier or crossover network inputs.

Following the diagram at right, simply connect the LOCPRO to the amplifier or electronic crossover network. If using LOCPRO with a single-driver subwoofer system (mono amplifier), be sure and set the input switch on the amplifier to the appropriate position.

Amplifier gain adjustment: After installation has been completed, the amplifier gain adjustments must be correctly set to both eliminate noise in the system, and to balance the level of the new components against the rest of the system.

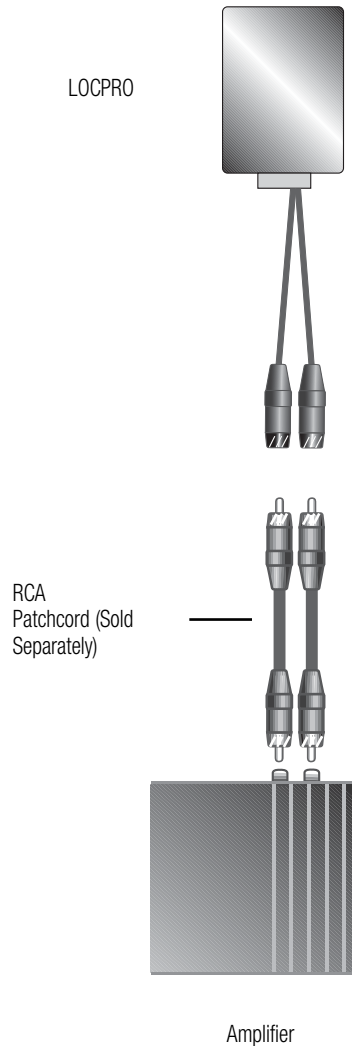
- A. Turn the amplifier gain controls to minimum.
- B. Turn the LOCPRO gain knob counterclockwise to the full off position, then open approximately 1/8 turn.
- C. Turn the radio's volume control up until the music is playing at maximum undistorted listening level, or until the knob is fully open with no discernible distortion.
- D. Slowly turn the gain control of the LOCPRO up until the loudness of the subwoofer matches the system. If this level is not loud enough, as a last step, increase the gain on the amplifier.
- E. Adjustment is complete.

Step
4

Operational Notes and Troubleshooting:

- 1. If bass is weak after making all connections, check the polarity on the input connections. Reverse the speaker input leads of the channel that is out of phase at the LOCPRO.
- 2. If no sound is heard after completing system connections, ground just one of the RCA cables (some amplifiers need the shield side of their RCA inputs grounded in order to operate).
- 3. If alternator whine (whistling noise that varies with engine RPM) is heard, it is possible that it is being induced into the RCA cables between the LOCPRO and the amplifier. Grounding one, or both, of the shields on the RCA cables will shunt this noise to the chassis of the vehicle.

For typical 2-channel use



To improve audio and power signal integrity, use the highest quality Kicker accessories available at www.kicker.com or your local dealer.

Note:

SoundGate highly recommends the use of "twisted-pair" RCA cables to interconnect sound system components in automotive sound systems.

If you experience any problems, call SoundGate Technical Support at 800-256-0808, or e-mail us at support@soundgate.com