

Model 2/77 Ultimate High-Current 12-Volt Power Source for Car Audio

Installation and Operation Instructions

The Audio Authority 2/77 is the world's first DC power system engineered from the ground up specifically for the car audio display environment. Its robust thermal design incorporates an updraft forced-air cooling system to withstand a variety of harsh environments, including vented (intake & exhaust), display interiors. Sophisticated monitoring and protection circuits ensure years of unattended, trouble-free service. And with its unique "loadsharing" circuitry, two Model 2/77s may be connected to provide 100 amps continuous output. This special design feature is not available with conventional DC power supplies.

Installation Preparation

The Model 2/77 should be located in a well ventilated area close to the auto sound display. **DO NOT OPERATE THE MODEL 2/77 IN A SMALL, NON-VENTED SPACE. DO NOT OBSTRUCT ANY AIR OPENINGS ON TOP, SIDES, OR REAR.** If it is necessary to position the 2/77 farther away from the display than the provided cables allow, then use larger gauge cables to insure optimum performance. To insure a complete and safe DC Distribution System, use Model 915X and 916X DC Power Expanders (available separately) to wire DC power to car audio products.

Battery Selection.

Standard, side terminal, maintenance-free, automotive starting batteries rated at least 320 Cold Crank Amps (CCA) are suitable for use with the Hybrid DC Power System.

Deep cycle marine, golf cart, and industrial battery types should not be used since they may cause battery over charging and reduced battery life. These battery types are not recommended for audio system use due to high internal resistance which degrades amplifier performance. Please consult the factory prior to using batteries other than the recommended types.

Caution: Automotive batteries store extreme levels of energy. Do not connect battery posts together. Always connect positive (+) terminal first. Always use standard automotive batteries in an upright position.

NOTE: When using the Model 2/77 in the Hybrid mode (with battery), the Model 2/77 must remain on at all times. This is required to maintain battery charge level. Failure to leave the power supply on will result in greatly reduced battery life and loss of audio performance. Should an AC power failure occur the power supply will disconnect from the battery automatically.

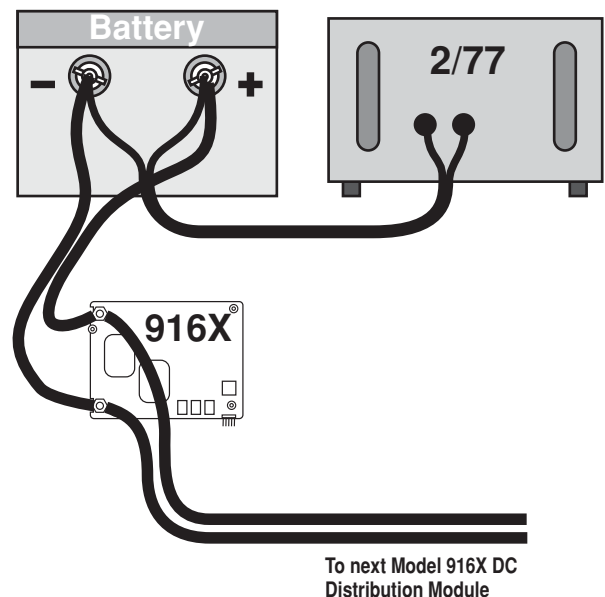
Installation – Single Mode

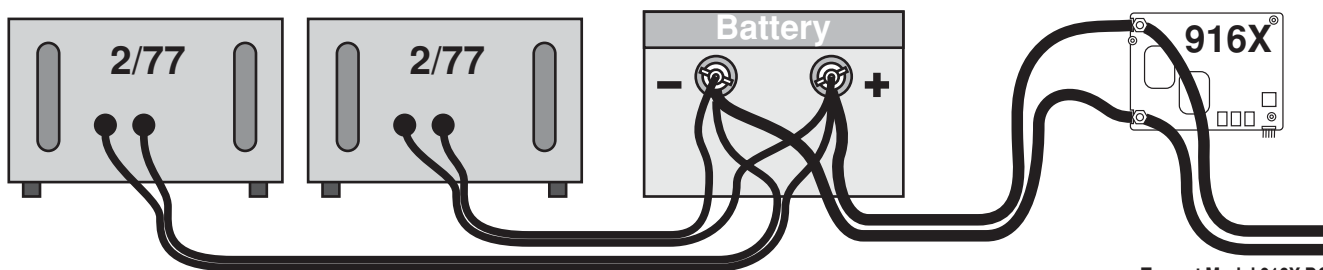
Connect the red wire (furnished) from the red post (+) on the front panel of the Model 2/77 to the positive battery terminal using the battery post and wing nut provided.

Connect the black wire (furnished) from the black post (-) on the front panel of the Model 2/77 to the negative battery terminal using the battery post and wing nut provided.

Using a second set of red and black cables, connect the battery to the closest DC distribution board (916X) or other distribution system.

Note: If the furnished cables are not used, use cables of equal or greater gauge.





Use the cables provided to connect both 2/77s to the battery.

To next Model 916X DC Distribution Module

Installation -- Dual Mode

Connect both Model 2/77s to the battery as stated previously in the single installation instructions.

Due to the AC power requirements of two units, two separate AC circuits may be required in order to prevent tripping the building circuit breakers.

Front Panel

All of the hook-up terminals are conveniently located on the 2/77's front panel. The front panel also includes a series of diagnostic LED indicators. The following information will help in understanding the indicators.

- Normal- Indicates normal operation.
- Output Limit- Sustained illumination indicates power system * too small for application. You should consider adding a second 2/77.
- Thermal Limit- Indicates inadequate ventilation.
- Reverse Battery- Incorrect connection, battery polarity is reversed.
- Service Required- Internal failure, disconnect from battery, call factory for service.

Service

If a condition occurs which is not explained in the instructions, our Customer Service department will be happy to answer your questions. Please call 800/322-8346.

Limited Warranty Statement

Audio Authority Corporation warrants this product to be free from defects in material and workmanship for a period of one year from date of purchase. Within the warranty period, Audio Authority will furnish parts, or will repair at no charge units returned to the factory freight prepaid. This warranty is void for units which, in our opinion, have been subjected to accident, misuse, abuse or improper installation. Audio Authority assumes no responsibility for consequential damages arising from the use or misuse of this product.



2048 Mercer Road, Lexington, Kentucky 40511-1071
 Phone: 859/233-4599 • Fax: 859/233-4510
 Customer Toll-Free USA & Canada: 800/322-8346
 Website: <http://www.audioauthority.com>