

INTRO

Excellent stiffening action by lowest possible E.S.R. - fool-proof handling and safe operation - provided by ACR's HPC1000EL.

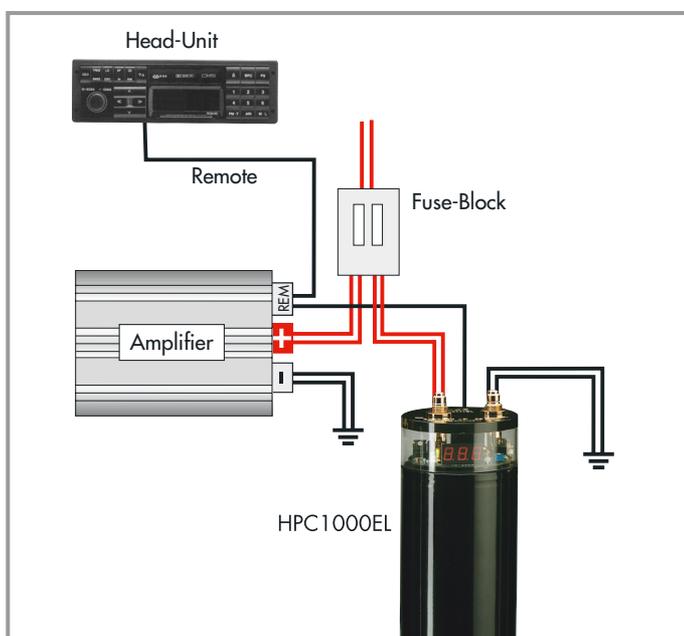
The HPC1000EL power cap uses high quality electrolytically edged aluminum foils in the capacitor main unit.

Convenient and safe handling is guaranteed by the electronic circuitry of the HPC1000EL power cap model. The electronic circuitry, i.e. the digital voltmeter display is controlled by the integrated remote sensor. Therefore, unnecessary battery drain is avoided when the car-hifi system is not in use!

Furthermore, this capacitor unit is equipped with a 2-color LED status display, for displaying the correct connection of the capacitor.

MAIN FEATURES:

- Power Capacitor with 1.0F storage capacity and low E.S.R.
- 3-digit LED voltage display
- Operating/stiffening voltage of minimum 16V, surge voltage 20V
- E.S.R. < 0,002 ohms, operating temperature range -10° to +95°C
- 2-color operating status LED, for monitoring capacitor function and correct connection
- Integrated warning buzzer



INSTALLATION HINTS

■ **Warning: Before you attempt to connect the terminal binding posts of your HPC1000EL capacitor to the power supply of your car-hifi system, pay close attention to the polarity stated on the top of the cap!! Reversely connected power caps may explode and cause serious injuries.**

- Remove the main fuse of your car stereo power supply.
- Connect the small (remote input) binding post - located between the main poles of the cap - to the remote input terminal of the amplifier. The remote voltage sensor of the HPC1000EL will make sure, that the voltage display of the cap is only active, when the amplifier is running. Note: A wire cross section of 1.0mm² is totally sufficient for the remote wire!

■ Now connect the HPC1000EL capacitor in parallel to the amplifier or distribution/fuse blocks.

■ Take the small resistor supplied with the set content and bridge the legs of the resistor over the poles of your main fuse and watch out for the status LED to light up. Attention, the resistor can get hot during the charging process. The charging process will now take place and is finished after approx. 40 seconds. At the end of the charging process, the status/operating LED will light up green and the voltage display will show the actual voltage level of your car hifi system.

If the status LED lights up RED and you hear the sound of a buzzer: Warning! The capacitor is reversely connected to the electrical system of your car, IMMEDIATELY REMOVE THE CHARGING RESISTOR and check the polarity imprint on top of the cap and reconnect the power leads accordingly!

■ **NOTE:** The power cable leads used to wire your HPC1000EL cap to the amplifier or distribution block, should not exceed a total length of 35 cm (~14 inches). This will allow you to take full advantage of the low E.S.R. rating and give you best possible voltage stiffening performance.

■ The HPC1000EL cap is fully automatic and once installed, it will give you many years of reliable operation with no servicing required!

■ This power cap will switch off automatically, once the headunit is turned off.

