



SR-500/700

ADJUSTABLE STEP-UP REGULATOR

OPERATION MANUAL

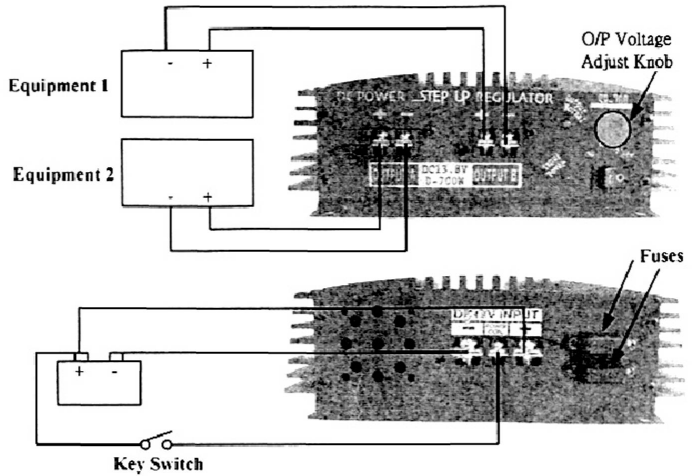
1. FEATURES

- Switch-mode technology
- Special design and decorous car amplifier heat sink housing
- Provide adjustable regulated, filtered dc voltage to AV & communication equipment
- High efficiency implies less heat without over-heating
- Good load and line regulations
- Wide input voltage input range
- Input reverse polarity protect
- Short circuit and over-voltage protects
- Over temperature protection
- Low input voltage drop out

2. SPECIFICATIONS

Model	SR-500-ADJ	SR-700-ADJ
Input Voltage Range	10 – 14V DC	
Output Voltage	15V – 24V	
Max. Output Power	500W	700W
Continuous Output Current	9.5A	14.5A
No Load Input Current	<200mA	
Line Regulation	0.5%	
Load Regulation	1%	
Output Ripple Noise	50mV (rms)	
Efficiency	Over 85%	
Remote Control Input	10 – 14V DC	
Dimensions WxLxH (mm)	200 x 170 x 70	200 x 205 x 70
Weight	1Kg	1.5Kg

2. PANELS



3. OPERATION

- (1) Mount the unit without blocking of the ventilation holes on the rear panel.
- (2) Connect the 10-14V DC to the terminal block at the rear.
[Beware of polarity although the unit is protected against wrong input polarity!]
- (3) Connect "POWER CON" to input "+" terminal can power on the unit remotely.
Leave it unconnected when not used.
- (4) Connect the equipment to the output terminals A & B at the front
[Beware of polarity of the connecting equipment!]
- (5) Turn on the "Power" switch and adjust the voltage knob to the desired output voltage with a voltmeter.
[Both the "Input Power" LED and the "Output Normal" LED turn on.]
- (6) Turn off the "Power" switch when necessary.
[Both the "Input Power" LED and the "Output Normal" LED turn off.]

4. IMPORTANT NOTICES

- AWG# 8-10 cable size is recommended for the input
- AWG# 10-14 cable size is recommended for the outputs
- Keep cables as short as possible
- All terminal connections must be fastened securely

5. MAINTENANCE

The converter is maintenance free if it is operated properly. It should be kept away from water and direct sunshine. Check and clean the ventilation holes at the rear panel.

6. REMEDIES

Symptom	Recommended Action
“Input Power” LED and/or “Output Normal” LED does not turn on	(1) Check DC input cable. (2) Check power switch. (3) Input voltage too low. (4) “Input Power” LED may be damaged. (5) Fuses may be blew-out Call for service.
No DC output	(1) Over voltage protected. Power on and off the unit again. If problem still exist, call for service. (2) Fuses may be blew-out. Call for service.
Unregulated output	(1) Input voltage too high or too low. Check input. (2) Unit overload. Decrease loading.
Always over voltage protect	(1) Shorten the cabling (2) Unit damaged. Call for service.