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

MAINTENANCE

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.

MEDIDIES

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Recommended Action</th>
</tr>
</thead>
</table>
| "Input Power" LED and/or "Input 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. |
| 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. |
| Fuses over voltage protect             | (1) Shorten the cabling  
(2) Unit damaged. Call for service. |
SR-500-24/SR-700-24

24V STEP-UP REGULATOR

OPERATION MANUAL
FEATURES
Switch-mode technology
Special design and decorous car amplifier heat sink housing
Provide fixed 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

SPECIFICATIONS

<table>
<thead>
<tr>
<th></th>
<th>SR-500-24</th>
<th>SR-700-24</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage Range</td>
<td>10 - 14V DC</td>
<td></td>
</tr>
<tr>
<td>Output Voltage</td>
<td>24V DC</td>
<td></td>
</tr>
<tr>
<td>Output Power</td>
<td>500W</td>
<td>700W</td>
</tr>
<tr>
<td>Continuous Output Current</td>
<td>9.5A</td>
<td>14.5A</td>
</tr>
<tr>
<td>Load Input Current</td>
<td>&lt;200mA</td>
<td></td>
</tr>
<tr>
<td>Regulation</td>
<td>0.5%</td>
<td></td>
</tr>
<tr>
<td>Efficiency</td>
<td>Over 85%</td>
<td></td>
</tr>
<tr>
<td>Input Ripple Noise</td>
<td>50mV (rms)</td>
<td></td>
</tr>
<tr>
<td>Control Input</td>
<td>10 - 14V DC</td>
<td></td>
</tr>
<tr>
<td>Dimensions WxLxH (mm)</td>
<td>200 x 170 x 70</td>
<td>200 x 205 x 70</td>
</tr>
<tr>
<td>Weight</td>
<td>1Kg</td>
<td>1.5Kg</td>
</tr>
</tbody>
</table>
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. [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.]