

## 460L/660L Features



- Four or six-channel strobe power supplies
- Synchronized light driver – combination LED flasher and strobe power system
- Built-in LED flasher provides two 4-amp outputs (8-amps total)
- Available with AMP connectors
- Three prioritized operating modes
- Eight selectable flash patterns per mode
- Dual lighthouse “cutoff” function
- Low-power mode
- Industry pinning standard
- Ground-pin shielding; provides maximum RFI suppression
- Three-year warranty

## Silver Series2/ Silver Series4 Features



- Two or four-channel strobe power supplies
- Available in AMP (A) or Weatherpack (W) connectors
- Seven selectable flash patterns (Silver Series4)
- Two lighthouse “cutoff” function
- Industry pinning standard
- “Potted” cavity; resists moisture and vibration
- Compact size; mounts virtually anywhere
- Three-year warranty

## Silver Series Applications

- All police vehicles
- Personal / command vehicles
- Traffic / parking enforcement vehicles
- DOT and municipal vehicles
- Tow and Recovery vehicles
- Pickup trucks and SUV's
- Volunteer fire vehicles

# How to Order (3 easy steps)

## 1. SELECT STROBE HEADS



601142 Model 451 360° strobe head, AMP connector

601143 Model 451 360° strobe head, Weatherpack connector



601152 Model 551 360° strobe head, AMP connector

601153 Model 551 360° strobe head, Weatherpack connector



601192 Model 141 360° strobe head, AMP connector

601193 Model 141 360° strobe head, Weatherpack connector



601182 Model 131 360° strobe head, AMP connector

601183 Model 131 360° strobe head, Weatherpack connector



413250 GS1 rectangular grille strobe, AMP connector



413255 GS2 rectangular grille strobe with offset reflector, AMP connector



413240 DS1 single-lamp deck strobe head, AMP connector (not pictured)

413245 DS2 dual-lamp deck strobe head, AMP connector



601103 Oval strobe head, AMP connector

601102 Oval strobe head, Weatherpack connector



601125 Round strobe head, AMP connector

601122 Round strobe head, Weatherpack connector



413201 "Corner" strobe tube, AMP connector

413300 "Corner" strobe tube, Weatherpack connector (not pictured)

## 2. ORDER POWER SUPPLY

(One channel per strobe head required)



415207 Silver Series 2A two-channel, AMP connectors

415205 Silver Series 2W two-channel, Weatherpack connector



416109 Silver Series 4A four-channel, AMP connector

416108 Silver Series 4W four-channel, Weatherpack connector



416104 460L four-channel, LED outputs, AMP connector

416106 660L six-channel, LED outputs, AMP connector (not pictured)

## 3. SELECT CABLE LENGTH

(One cable per strobe head required)

413210 10' cable with AMP ends

413216 16' cable with AMP ends

413222 22' cable with AMP ends

413230 30' cable with AMP ends

413241 40' cable with AMP ends

413251 50' cable with AMP ends

413310 10' cable with Weatherpack ends

413316 16' cable with Weatherpack ends

413322 22' cable with Weatherpack ends

413330 30' cable with Weatherpack ends

413340 40' cable with Weatherpack ends

413350 50' cable with Weatherpack ends

413410 10' cable with AMP and Weatherpack ends\*

413416 16' cable with AMP and Weatherpack ends\*

413422 22' cable with AMP and Weatherpack ends\*

413430 30' cable with AMP and Weatherpack ends\*

413440 40' cable with AMP and Weatherpack ends\*

413450 50' cable with AMP and Weatherpack ends\*

413202 Adaptor cable (qty. 2) 12" cables per kit\*\*

\*For use with AMP style power supplies and Weatherpack style strobe heads.

\*\*Retrofits SPS series systems to new Silver Series power supply.

Weatherpack connector



## PRE-CONFIGURED STROBE SYSTEMS

|                  |   |               |   |
|------------------|---|---------------|---|
| <b>416125</b>    | (1) Silver Series4A<br>(4) Clear corner strobes<br>(2) 10' cable, AMP connectors<br>(2) 22' cables, AMP connectors                              | <b>416111</b> | (1) 460L<br>(4) Clear corner strobes<br>(2) 16' cables, AMP connectors<br>(2) 30' cables, AMP connectors      |
| <b>416132</b>    | (1) Silver Series4W<br>(4) Clear corner strobes<br>(2) 10' cables, Weatherpack connectors<br>(2) 22' cables, Weatherpack connectors             | <b>416118</b> | (1) 660L<br>(4) Clear corner strobes<br>(4) 16' cables, AMP connectors  |
| <b>416127</b>    | (1) Silver Series4A<br>(4) Clear corner strobes<br>(2) 16' cables, AMP connectors<br>(2) 30' cables, AMP connectors                             | <b>416119</b> | (1) 660L<br>(4) Clear corner strobes<br>(2) 10' cables, AMP connectors<br>(2) 22' cables, AMP connectors      |
| <b>416126</b>    | (1) Silver Series4W<br>(4) Clear corner strobes<br>(2) 16' cables, Weatherpack connectors<br>(2) 30' cables, Weatherpack connectors             | <b>416120</b> | (1) 660L<br>(4) Clear corner strobes<br>(2) 16' cables, AMP connectors<br>(2) 30' cables, AMP connectors      |
| <b>416129</b>    | (1) Silver Series4A<br>(4) Clear corner strobes<br>(4) 16' cables, AMP connectors   | <b>413123</b> | 500ft. of strobe cable, connectors, and pins – bulk package (approximate installation capacity of 5 vehicles) |
| <b>416129-25</b> | (1) Silver Series4A<br>(2) Clear corner strobes<br>(2) Amber corner strobes<br>(4) 16' cables, AMP connectors                                   | <b>413124</b> | Connectors and pins – bulk package (approximate installation capacity of 5 vehicles)                          |
| <b>416128</b>    | (1) Silver Series4W<br>(4) Clear corner strobes<br>(4) 16' cables, Weatherpack connectors   |               |   |
| <b>416133-25</b> | (1) Silver Series4A<br>(2) Clear corner strobes<br>(2) Amber corner strobes<br>(2) 16' cables, AMP connectors<br>(2) 30' cables, AMP connectors |               |   |
| <b>416110</b>    | (1) 460L<br>(4) Clear corner strobes<br>(2) 10' cables, AMP connectors<br>(2) 22' cables, AMP connectors  |               |   |

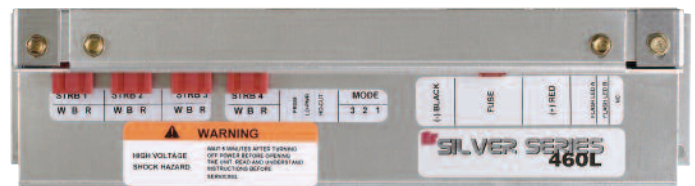


Fig. 1 The Silver Series combines remote strobe and LED control in a single remote power supply.

## STROBE HEAD SPECIFICATIONS

| Model                          | Dimensions (Dia. x H.)    | Shipping Weight |
|--------------------------------|---------------------------|-----------------|
| Model 451                      | 6.5 in x 4.0 in           | 1.4 lbs         |
| Model 551                      | 6.5 in x 6.0 in           | 1.3 lbs         |
| Model 141                      | 6.6 in x 5.3 in           | 1.6 lbs         |
| Model 131                      | 6.6 in x 7.1 in           | 1.7 lbs         |
| Model                          | Dimensions (H. x D. x L.) | Shipping Weight |
| Rectangular Grille (GS1)       | 3.3 in x 5.6 in x 3.0 in  | 1.5 lbs         |
| Offset Rectangular Grill (GS2) | 4.0 in x 5.6 in x 5.0 in  | 2.0 lbs         |
| Deck (single – DS1)            | 2.5 in x 3.0 in x 5.5 in  | 1.5 lbs         |
| Deck (dual – DS2)              | 2.5 in x 3.0 in x 11.0 in | 2.5 lbs         |
| Oval                           | 3.3 in x 3.0 in x 7.5 in  | 1.0 lbs         |
| Round                          | 4.5 in x 3.0 in           | 1.5 lbs         |
| Corner Strobe Tube             | 1.3 in x 1.2 in           | 1.0 lbs         |

**TABLE 1  
FLASH PATTERNS 460L / 660L**

| Flash Patterns | Flash Rate      | Sequence                                 |
|----------------|-----------------|--|
| Null           |                 |  |
| Quad           | 75 FPM          | 1&4 – 2&3                                |
| Action         | 85 FPM          | 1-3-2-4                                  |
| Random         | Up to 140 FPM   | Pseudo-Random                            |
| Triple         | 75 FPM          | 1&4 – 2&3                                |
| Fast Quad      | 85 FPM          | 1&4 – 2&3                                |
| Penta          | 75 FPM          | 1&4 – 2&3                                |
| Quad / Action  | 75 FPM / 75 FPM | 2 Times (1&4 – 2&3)<br>2 Times (1-3-2-4) |
| Fast Action    | 105 FPM         | 1-3-2-4                                  |

**Table 2  
FLASH PATTERNS**

| Flash Patterns     | Silver Series 2<br>Flash Rate | Silver Series 4<br>Flash Rate |
|--------------------|-------------------------------|-------------------------------|
| Double Flash       | 90 FPM                        | 90 FPM                        |
| Fast Double        | 120 FPM                       | 120 FPM                       |
| Quad Flash         | 60 FPM                        | 60 FPM                        |
| Fast Quad          | 70 FPM                        | 70 FPM                        |
| Random Flash       | Variable                      | Variable                      |
| Triple Flash       | 85 FPM                        | 85 FPM                        |
| Overlapping Triple | N/A                           | 70 FPM                        |
| Slow Triple        | 70 FPM                        | N/A                           |

## SILVER SERIES SPECIFICATIONS

|                                   | Silver Series 2                                 | Silver Series4                                  | 460L                                   | 660L                                   |
|-----------------------------------|---|---|--|--|
| Input Voltage: Normal Operation   | 12.8 or 25.6 VDC                                | 12.8 or 25.6 VDC                                | 12 VDC                                 | 12 VDC                                 |
| Input Current @ 12.8VDC Operation | 2.65 amps                                       | 4.1 amps  | 5.55 amps                              | 5.55 amps                              |
| Standby                           | 0.0 mA  | 0.0 mA  | 0.0 mA                                 | 0.0 mA                                 |
| Input Power                       | 34 W  | 53 W  | 71 W                                   | 71 W                                   |
| Output Power                      | 29 W  | 46 W  | 60 W                                   | 60 W                                   |
| Output Energy                     | 14 Joules                                       | 11 Joules                                       | 12 Joules                              | 11 Joules                              |
| Power per Strobe Head             | 14.5W   | 11.5W   | 15W                                    | 10W                                    |
| LED Head (2) Outputs              | N/A   | N/A   | 4 amps/hd                              | 4 amps/hd                              |
| Strobe Outlets                    | 2   | 4   | 4                                      | 6                                      |
| Fuse                              | 5 amp Auto Fuse                                 | 7.5 amp Auto Fuse                               | 10 amp mini ATC                        | 10 amp mini ATC                        |
| Dimensions                        |   |   |  |  |
| (Length)                          | 6.5 in (16.5 cm)                                | 6.5 in (16.5 cm)                                | 11.15 in (28.32 cm)                    | 11.15 in (28.32 cm)                    |
| (Width)                           | 5.0 in (12.7 cm)                                | 5.0 in (12.7 cm)                                | 2.86 in (7.26 cm)                      | 2.86 in (7.26 cm)                      |
| (Height)                          | 2.6 in (6.6 cm)                                 | 2.6 in (6.6 cm)                                 | 3.58 in (9.09 cm)                      | 3.58 in (9.09 cm)                      |
| (Weight)                          | SS2A 1.2 lbs (0.54 kg)<br>SS2W 2.0 lbs (0.9 kg) | SS4A 1.2 lbs (0.54 kg)<br>SS4W 2.0 lbs (0.9 kg) | 1.75 lbs (0.79 kg)                     | 1.75 lbs (0.79 kg)                     |
| Mounting Centers                  | 5.8 in x 4.38 in<br>(14.9 cm x 11.1 cm)         | 5.86 in x 4.38 in<br>(14.9 cm x 11.1 cm)        | 10.75 in x 2 in<br>(27.3 cm x 5.08 cm) | 10.75 in x 2 in<br>(27.3 cm x 5.08 cm) |



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