USES AND ADVANTAGES

This "Silent Messenger IV" is a small message board, sized right for residential areas, for city or county roads, or anywhere that a smaller footprint is preferred. Available in 3 panels sizes and a variety of matrices, this message board is powered by a combination of solar panels and batteries.

Radar can be easily added to communicate a simple message plus vehicle speed to calm traffic.

It includes a GPS receiver, cellular transceiver, and FREE lifetime cellular service for remote communications.

REMOTE CONTROL & GPS TRACKING INCLUDED!

Command Center software allows you to track your equipment using the built-in cellular transceiver and GPS system.

Access units from a map or list. Control units individually or broadcast to a group.

Manage your fleet from your laptop, pc or smartphone... without leaving your desk!

You can build a message library, share messages between boards, schedule messages and more. Get automatic email notifications when a message changes, if the battery voltage is low, if a pixel fails, or the unit moves.

No more misplaced equipment... fewer problems... less downtime!

PANEL SIZES

- 60" wide x 30" high
- 78" wide x 30" high
- 78" wide x 33" high

www.solartechnology.com
DISPLAY PANEL

<table>
<thead>
<tr>
<th>PANEL SIZE</th>
<th>MATRIX SIZE</th>
<th>PIXEL SIZE</th>
<th>MAX. CHARACTERS PER LINE</th>
</tr>
</thead>
<tbody>
<tr>
<td>60&quot; wide x 30&quot; high (152 cm x 76 cm)</td>
<td>16 x 36 pixels</td>
<td>38 mm</td>
<td>7 characters per line</td>
</tr>
<tr>
<td></td>
<td>32 x 72 pixels</td>
<td>19 mm</td>
<td>14 characters per line</td>
</tr>
<tr>
<td>78&quot; wide x 30&quot; high (198 cm x 76 cm)</td>
<td>16 x 48 pixels</td>
<td>38 mm</td>
<td>9 characters per line</td>
</tr>
<tr>
<td></td>
<td>32 x 96 pixels</td>
<td>19 mm</td>
<td>19 characters per line</td>
</tr>
<tr>
<td>78&quot; wide x 33&quot; high (198 cm x 84 cm)</td>
<td>18 x 48 pixels</td>
<td>38 mm</td>
<td>9 characters per line</td>
</tr>
</tbody>
</table>

Panel Construction  All aluminum, modular construction
Pixel Size 1.5" x 1.5" (38 mm x 38 mm)
0.75" x 0.75" (19 mm x 19 mm)
Number of Fonts Twelve (12)
Character Height 7.5" to 24" (19 cm to 76 cm) - 38 mm
3.75" to 24" (10 cm to 76 cm) - 19 mm
Graphics Capability Full matrix with animation
Display Technology LED (amber, 592 nm)
Display Life Expectancy 10 years typical
Lifting Mechanism 1,000 lb. capacity winch & cable
Viewing Angle >30°
Sign Panel Height (Operating) 7 feet (214 cm) to bottom of sign panel

TRAILER
Length Overall 117" (298 cm) - towing / 75" (191 cm) - deployed/stored
Width Overall 60" (152 cm) or 78" (198 cm)
Width Across Fenders 56" (142 cm)
Height Traveling 90" (229 cm)
Height Operating 129" (328 cm)
Ground Clearance 13" (33 cm)
Weight 1,100 lbs. (500 kg) approx. (maximum)
Coupler (Class III) 2" (50 mm) ball or 2-1/2" (64 mm) pintle ring
Axle/Suspension Torq-Flex - independent

MEGA-TECH CONTROL CONSOLE
Console Circuitry Ultra-low power solid state
Console Touchscreen Waterproof, backlit, full-color GUI, intuitive icon-driven, multi-lingual: five international languages
Programming Software Proprietary, field upgradable
Message Capacity Pre-programmed and user-programmed: > 250 each
Time-Date Control Real-time clock/calendar (365 days)
Message Display Time User-selectable (01 to 99 seconds)
Display Update Time Instantaneous
Non-Volatile Memory 4 GB Micro SD card
Password Protection User-selectable, multi-level
Operator Interface Easy-to-use icons (no manual required)
Connectivity Networkable (wired or wireless) and NTCIP compatible (Ethernet & RS-232)

ENERGY SOURCE
Operating Voltage 12 volts DC (nominal)
Battery Type 6 volt heavy duty, deep cycle (GC-2)
Number of Batteries Two (2) w/Auxiliary Battery Pack
Battery Bank Capacity 260 amp hrs w/Auxiliary Battery Pack 520 amp hours
Battery Status Indicator Displays full-charge, normal and, low battery condition
Battery Security Anti-theft steel battery frame bolted to trailer
Solar Array Construction Top-mounted solar panels in aluminum frame
Solar Array Power Output Standard - 80 watt (nominal)
with upgrade 160 watt (nominal)
Solar Charge Controller Automatic, temperature compensated
Auxiliary Automatic
Battery Charger 45 Amp, 120 volt AC line-powered

OPTIONS AND UPGRADES
SOLAR ARRAY OPTION
• 160 watt

BATTERY UPGRADES
Type Number Capacity
Lead-Acid flooded Four (4) 520 amp hour
Gel Cell or AGM Two (2) 260 amp hour (maintenance free) Four (4) 520 amp hour

BATTERY CHARGER UPGRADES
• 90 amp - 120 volt AC

SECURITY OPTION
Vandal-Proof Battery Box reinforced steel cage

RADAR OPTIONS
Directional doppler K-Band, user-configured KPH or MPH
Data collection and statistical analysis package included.