

## Silent Messenger III

### PRODUCT GUIDE

#### Message Board | Mid Sized

The “Silent Messenger III” mid-sized message board is a truly reliable workhorse. A 27 x 48 pixel full matrix LED display on a sturdy steel trailer is powered by both solar panels and batteries.

Display area measures 78” wide by 46” high, giving a clean crisp readable message. Available in either a foldable or a Lift and Rotate trailer.

#### OPTIONAL REMOTE COMMUNICATIONS\*

When choosing this option, your Message Board will come with a GPS receiver, cellular transceiver, and **FREE lifetime cellular service\***. Use with SolarTech’s Command Center software for remote communication. This software allows you to track your equipment using the built-in cellular transceiver and GPS system.

Manage your fleet from your laptop, PC, or smartphone... without leaving your desk! Access units from a map or list. Control units individually or broadcast to a group.

You can build a message library, share messages between boards, schedule messages and more.

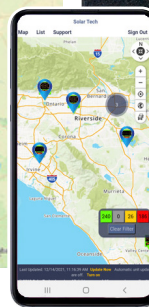
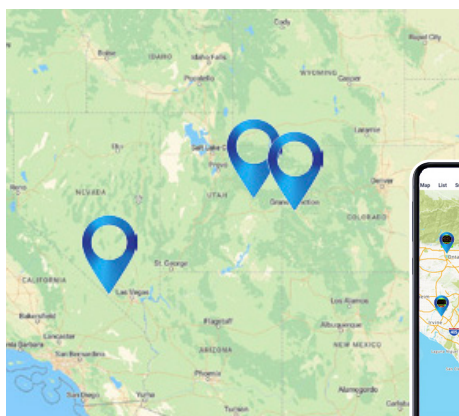
Get automatic email notifications when a message changes, if the battery voltage is low, if a pixel or module fails, or the unit moves.



#### EASY-TO-USE CONTROLLER

The touch-screen controller needs no manual - it's that easy to use! Includes:

- » Password protection
- » Intuitive icons for ease of use
- » Scheduling capability
- » Fully networkable
- » NTCIP version 3 compatible



**Keep tabs on your whole fleet. No more misplaced equipment... fewer problems... less downtime!**

Learn more at [www.solartechtechnology.com](http://www.solartechtechnology.com)

# Silent Messenger III

## Message Board | Mid Sized

### Display Panel

|                          |                                       |
|--------------------------|---------------------------------------|
| Panel Size .....         | 78" x 46" (203 cm x 121 cm)           |
| Pixel Size .....         | 1.50" x 1.50" (38 mm)                 |
| Character Height .....   | 7.5" to 30" (19 cm to 76 cm)          |
| Matrix Size .....        | 27 x 48 pixels                        |
| Panel Construction.....  | All aluminum, modular                 |
| Panel Face .....         | 3/16" polycarbonate, non-glare        |
| Number of Fonts .....    | Twelve (12)                           |
| Graphics Capability..... | Full matrix with full animation       |
| Display Technology ..... | LED (amber, 592 nm)                   |
| Display Brightness ..... | >10,000 cd/m2 (candela per sq. meter) |
| Viewing Angle.....       | >60°                                  |

| Trailer                    | Standard Trailer                             | Lift & Rotate Trailer                        |
|----------------------------|----------------------------------------------|----------------------------------------------|
| Length Overall (operating) | 112" (284 cm)                                | 108" (274 cm)                                |
| Length Overall (traveling) | 112" (284 cm)                                | 152" (386 cm)                                |
| Width Overall              | 91" (231 cm)                                 | 77" (196 cm)                                 |
| Ground Clearance           | 13" (33 cm)                                  | 13" (33 cm)                                  |
| Height Traveling           | 92" (234 cm)                                 | 101" (257 cm)                                |
| Height Operating           | 142" (360 cm)                                | 142" (360 cm)                                |
| Weight                     | 1,525 lbs (692 kg)                           | 1,965 lbs (891 kg)                           |
| Coupler                    | 2" (50 mm) ball or<br>3" (76 mm) pintle ring | 2" (50 mm) ball or<br>3" (76 mm) pintle ring |
| Lifting Mechanism          | 1,000 lb automatic<br>brake, winch & cable   | 1,000 lb electric<br>linear actuator         |
| Axle   Suspension          | (for both) Torq flex, independent            |                                              |

### Mega-Tech Control Console

|                            |                                                                                                                      |
|----------------------------|----------------------------------------------------------------------------------------------------------------------|
| Console Circuitry .....    | Ultra-low power solid state                                                                                          |
| Console Touchscreen.....   | Weather-resistant, backlit, full-color GUI,<br>intuitive icon-driven, multi-lingual: five<br>international languages |
| Programming Software ..... | Proprietary, field upgradable (for units that are<br>not connected to Command Center)                                |
| Message Capacity.....      | Pre-programmed and user programmed<br>> 250 each                                                                     |
| Time-Date Control .....    | Real-time clock/calendar (365 days)                                                                                  |
| Message Display Time.....  | User-selectable (0.1 to 99 seconds)                                                                                  |
| Display Update Time.....   | Instantaneous                                                                                                        |
| Non-volatile Memory.....   | 16 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<br>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.....       | Four (4) standard lead acid (flooded)                                      |
| Battery Bank Capacity.....     | 520 amp hours                                                              |
| Battery Status Indicator ..... | Displays battery voltage, charging<br>activity and low battery condition   |
| Solar Construction .....       | Top-mounted solar panels in aluminum<br>frame                              |
| Solar Power Output.....        | Standard 160 watt (nominal)                                                |
| Solar Charge Controller.....   | Automatic, temperature compensated,<br>MPPT (Maximum Power Point Tracking) |



MB-III lowered and folded compactly for transport.



SCAN ME

MB-III  
Lift & Rotate

## OPTIONS AND UPGRADES

### Remote Communication

Includes GPS receiver, cellular transceiver, and FREE cellular service.\* Remotely access and track your Message Board.

*\*With this option, cellular service is provided free of charge, and is limited to carrier supported generational wireless technology.*

### Upgrades

FOR LIFT AND ROTATE TRAILERS ONLY  
TILT & ROTATE SOLAR ARRAYS

» 220 watt » 330 watt

### Solar Array Upgrades (Both Trailers)

FIXED SOLAR ARRAYS

» 220 watt » 270 watt » 330 watt

### Battery Upgrades - Both Trailers

| Type                                  | Number                           | Capacity                                      |
|---------------------------------------|----------------------------------|-----------------------------------------------|
| Lead-Acid (flooded)                   | Six (6)<br>Eight (8)             | 780 amp hour<br>1040 amp hour                 |
| Gel Cell or AGM<br>(maintenance free) | Four (4)<br>Six (6)<br>Eight (8) | 520 amp hour<br>780 amp hour<br>1040 amp hour |

### Battery Charger Options

» 45 amp, 120 volt AC  
» 55 amp, 120 volt AC  
» 100 amp, 120 volt AC

### Brakes Options

» Hydraulic Surge Brakes  
(5,000 lb Capacity)  
» Electric Brakes

### Security Option

» Anti-theft steel battery frame bolted to trailer  
» Vandal-proof battery box with reinforced steel cage

### Radar Options - Both Trailers

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

Learn more at [www.solartechology.com](http://www.solartechology.com)

Custom Colors Available