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.

5 Year LIMITED Warranty SINCE 2009

OPTIONAL LIFETIME CELLULAR SERVICE!

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.

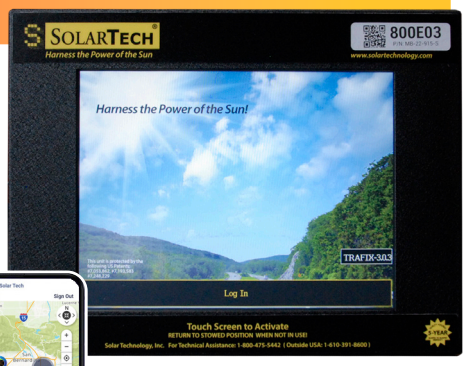
You can build a message library, share messages between boards, schedule messages and more.

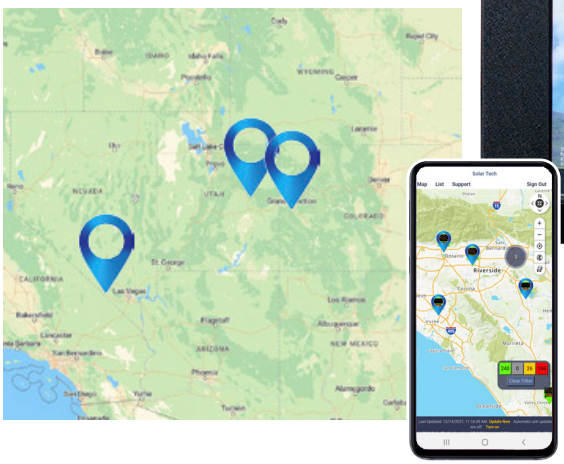
Get automatic email notifications when a message changes, if the battery voltage is low, if a pixel or module fails, or the unit moves.

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.solartechnology.com

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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 3" (76 mm) pintle ring	2" (50 mm) ball or 3" (76 mm) pintle ring
Lifting Mechanism	1,000 lb automatic brake, winch & cable	1,000 lb electric 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, intuitive icon-driven, multi-lingual: five international languages
Programming Software	Proprietary, field upgradable (for units that are not connected to Command Center)
Message Capacity	Pre-programmed and user programmed > 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 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 activity and low battery condition
Solar Construction	Top-mounted solar panels in aluminum frame
Solar Power Output	Standard 160 watt (nominal)
Solar Charge Controller	Automatic, temperature compensated, MPPT (Maximum Power Point Tracking)

MB-III lowered and folded compactly for transport.

MB-III Lift & Rotate

SCAN ME

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)	780 amp hour
	Eight (8)	1040 amp hour
Gel Cell or AGM (maintenance free)	Four (4)	520 amp hour
	Six (6)	780 amp hour
	Eight (8)	1040 amp hour

Battery Charger Options

- » 45 amp, 120 volt AC
- » 55 amp, 120 volt AC
- » 90 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.solartechnology.com

Custom Colors Available