

The **SILENT MESSENGER IV**

SOLAR POWERED FULL MATRIX PORTABLE DYNAMIC MESSAGE SIGNS

MB4 Series EXCLUSIVE FEATURES

Smallest NTCIP Compliant Solar Powered Portable Changeable Message Sign Available!

Truly Solar Powered - Continuous, uninterrupted operation

Brightest, Most Visible Display - Legible messages under all conditions

Mega-Tech Full Color Touch Screen Control Console - Simple easy to use graphical user interface (GUI)

Integrated GPS Receiver - Provides unit location when equipped with Wireless Remote Control Option

Sign Panel Failsafe System - Automatically detects and corrects errors and faults

CE Marked - Insures complete electromagnetic compliance for superb reliability

Cellular Remote Ready - Interface and software required for remote control is included

Custom Sign Case & Door Frame Extrusions - Sturdy, secure and weathertight

Modular Construction - Easy maintenance and repair

Torsion-type Axle - Smooth, stable ride

Polyamide Epoxy Primer - Excellent rust and corrosion protection

Acrylic Urethane Finish - Excellent appearance and durability

ISO 9001:2008 Certified Design and Manufacturing - The ultimate in quality assurance

Best Warranty - Five-Year Bumper to Bumper Warranty!

AVAILABLE OPTIONS

Radar Speed Monitor - Measure and display speed of oncoming vehicles & record traffic statistics

Wireless Remote Control - Includes antenna, cables, cellular modem and GPS receiver & antenna

Auxiliary Battery Pack - Increases energy storage capacity and autonomy

Solar Array Upgrades - Increases energy generation capacity and run-time

Auxiliary Battery Charger Upgrade - 45 Amp



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Harness the Power of the Sun

The **SILENT MESSENGER IV**

FULL MATRIX PORTABLE DYNAMIC MESSAGE SIGN

MESSAGE PANEL

Panel Size	60" wide x 30" high (152 cm x 76 cm) 78" wide x 30" high (198 cm x 76 cm) 78" wide x 33" high (198 cm x 84 cm)
Panel Construction	All aluminum, modular construction
Pixel Size	1.50" x 1.50" (38 mm x 38 mm) 0.75" x 0.75" (19 mm x 19 mm)
Matrix Size	16 x 36 Pixels - 38mm / 30" x 60" panel 16 x 48 Pixels - 38mm / 30" x 78" panel 18 x 48 Pixels - 38mm / 33" x 78" panel 32 x 72 Pixels - 19mm / 30" x 60" panel 32 x 96 Pixels - 19mm / 30" x 78" panel
Characters per Line	9 max. for 38mm / 60" wide panel 12 max. for 38mm / 78" wide panel 18 max. for 19mm / 60" wide panel 24 max. for 19mm / 78" wide panel
Number of Lines	Up to: 2 for 38mm or 4 for 19mm
Character Height	7.5 to 24 inches (19 to 76 cm) - 38mm 5.5 to 24 inches (9.5 to 76 cm) - 19mm
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
Sign Panel Height (Operating) ...	7 ft (214 cm) to bottom of sign panel

PHYSICAL

Length Overall	117 inches (298 cm) - Towing 75 inches (191 cm) - Deployed/Storage
Width Overall	60 or 78 inches (152 / 198 cm)
Width Across Fenders	56 inches (142 cm)
Height Traveling	90 inches (229 cm)
Height Operating	129 inches (328 cm)
Ground Clearance	13 inches (33 cm) min.
Weight	1,100 lbs (500 kg) - approx. (max)
Coupler (Class III)	2-inch (5.1 cm) ball or 2 1/2-inch (6.4 cm) 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
Programming Software	Proprietary, field upgradable
Message Capacity	Pre-programmed and user programmed - greater than 250 each
Time/Date Control	Real time clock/calendar (365-day)
Message Display Time	User-selectable (0.1 to 99 seconds)
Display Update Time	Instantaneous
Non-volatile Memory	Separate backup battery
Password Protection	User-selectable, multi-level
Operator Interface	Easy-to-use icons (no instruction manual required)
Connectivity	Networkable (wired or wireless) and NTCIP compatible w / integrated GPS

ENERGY SOURCE

Operating Voltage	12 Volts DC	
Battery Type	6-Volt Heavy duty, deep cycle	
Number of Batteries	Two (2) w / Aux. Battery Pack	Four (4)
Battery Bank Capacity	300 Amp Hours w / Aux. Battery Pack	600 Amp Hours
Battery Status Indicator	Displays full charge, normal and low battery condition	
Solar Array Construction	Top-mounted solar panels in aluminum frame	
Solar Array Power Output	Standard (85 W) - 85 Watts (peak) 170 W Upgrade - 170 Watts (peak)	
Solar Charge Controller	Automatic, temperature compensated	
Auxiliary Automatic Battery Charger...	115 VAC line powered, 30 Amp	

RADAR DETECTOR (optional)

Operating Frequency	24.150 GHz (K-Band)
Antenna Beamwidth	12 degrees circular
Capture Angle	16.5 degrees
Target Speed Range	5 to 199 MPH (8 to 199 KPH)
Speed Accuracy	1 MPH typical
Detection Distance	1,000 to 1,500 feet

Specifications subject to periodic updates as required without notice.

AVAILABLE OPTIONS

SOLAR ARRAY UPGRADES

Upgrade to 170 Watts

BATTERY BANK UPGRADES

Upgrade to 4 batteries (600 AH) and/or Gel-Cell Batteries

WIRELESS REMOTE CONTROL

Cellular Modem & Antenna

RADAR SPEED MONITOR

Monitor and display speed of oncoming traffic

AUXILIARY AUTOMATIC BATTERY CHARGERS

115 VAC line powered, 45 Amp

OTHER *SolarTech* PRODUCTS

SILENT SENTINEL

Trailer and Truck Mount Arrow Boards

SILENT MESSENGER

Full-Size Portable Dynamic Message Boards

SILENT MESSENGER II

Mid-Size Trailer and Vehicle Mount Message Boards

SILENT MESSENGER III

Small-Size Trailer and Vehicle Mount Message Boards

SILENT ADVISOR

Low and High Speed Application Radar Speed Trailers



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