



MB9757 PORTABLE CHANGEABLE MESSAGE SIGN

Our CMS Portable Message Sign Series features several enhancements. Conversion to surface mount components guarantees LED alignment and eliminates failure due to vibration fatigue. An improved driver chip gives better lighting intensity control as well as better overall performance. The high efficiency regulator provides a significant power savings. Furthermore, design improvements ensure product reliability by including a better ground plane for improved noise-immunity. It also has tinted vias to enhance survivability in hostile environments.

The MB9757 measures 97" x 57" and is mounted on a powder coated hydraulic style trailer. It provides messaging functionality to display predefined and custom messages in multiple lines of alphanumeric text and graphics via an on-board keyboard, Bluetooth tablet, or wirelessly using any internet connected device.

At K&K Systems, we constantly strive for innovation and standard for performance unmatched in the industry. While improvements may come at a higher initial cost, the result is an overall lower cost of ownership with less maintenance and repairs.

FEATURES

- ▶ Multiple Programming Options
- ▶ Vibration Fatigue Prevention Design
- ▶ Power Saving Regulator
- ▶ Maintenance Free Batteries
- ▶ Long Lasting Battery Life
- ▶ Sealed Battery Box
- ▶ NTCIP Controller (Optional)
- ▶ Single 120 Watt Solar Panel
- ▶ Meets MUTCD Standards
- ▶ Auto Dimming
- ▶ Super Bright LED Technology
- ▶ 360° of Rotation
- ▶ Durable Powder Coated
- ▶ (4) Adjustable Corner Jacks
- ▶ (1) Tongue Jack
- ▶ Heavy-Duty Aluminum Control Cabinet
- ▶ Sleek Frame Design



Tested and approved by third party organizations:



- NEMA TS2/TS4:
 - Temperature Testing -34c to +74c
 - Vibration and Drop Testing
- FCC Part 15 subpart B, Class B
- ESD IEC 6100-4-2-B & TS-4
- NEMA 3R Cabinet
- Wind Load Survival
- High Humidity Environment Survival (+53c, 95%RH)
- Salt Environment ASTM B-117
- Solar System Tested
- Built in Battery Backup with AC Systems

MODEL #MB9757

CMS SERIES

TRAILER

Width: 68" fender to fender
Length with tongue: 148.25"
Length without tongue: 98.5"
Salt Spray: 4,000 hours
Paint: Powder Coat
Main frame: 2"x 5"x 1/8"
Front/Rear Cross members: 2"x 3"x 1/8"
Wheels: 15"
Axle: 3500 lbs double leaf spring
Fenders: Injection Molded
Jacks: (4) adjustable corner jacks & tongue jack with wheel
Tongue and Safety Chains: 2" ball hitch; 1/4" safety chains with hooks

SIGN DISPLAY

Pixel Matrix: 27x48 Pixel Arrangement
LED Module: Each is 6x9 matrix
LED's Per Pixel: 4
LED Type: Agilent amber 592NM
Viewing Angle: 30 degrees
Visibility: Up to 1 mile
Hours: 100,000 hour LED
Lines: Displays text and graphics
Characters per line: 8 characters
Character Height: 12"
Operating Temp: (-30°F to 170°F)
**If one module fails, remainder of board is unaffected*

DISPLAY ENCLOSURE

Construction: Extruded Aluminum 6063 alloy
Length: 97"
Width: 57"
Depth: 6"
Paint: Powder coat
UV Resistant: 500 hours
Seal: Weather resistant
Venting: Vented top and bottom
Front face: 1/8" Lexan UV matte finish
Raising and lowering of display: Electro-hydraulic
Secondary raise and lowering: Manual hand pump

POWER AND CHARGING

Batteries: (4) 12 volt batteries for combined 400 amps
Battery Charger: 120 Volt, 12V, 60 amp
Recharge: 24 hours
On-board diagnostics to monitor: Solar, battery, and load
Solar: (1) 120 watt solar panel
Regulator or Crosstalk: Built in low and high voltage disconnect

WIRELESS CONTROLLER

Wireless Device: CrossTalk Controller
Bluetooth Programming: Yes
Controller Display: On-board tablet
Data Entry: On-board tablet software
**"Auto Resume" after power failure*
Control Cabinet: Weatherproof aluminum construction

OPTIONS

- ▶ Locking lug nuts
- ▶ Radar
- ▶ Pintle ring or bulldog hitch
- ▶ Electric or hydraulic brakes
- ▶ Custom Paint
- ▶ Outrigger Stability Supports
- ▶ Other Options available

Recessed mast/display mount allows for a secure and lower ride height while traveling.

Heavy-duty aluminum control cabinet with weather sealed door is durable and spacious.

Rubber blocks support the display for a stable and cushioned ride while traveling.



KEYBOARD CONTROLLER

Quick Message Selection: Thumbwheel to quickly select between 16 user programmable messages.
Controller Display: LCD
Data Entry: Mini Keyboard
Memory: Non volatile
**Pre-wired to accommodate radar, cell modem, and PC*
**"Auto Resume" after power failure*



The CrossTalk®, K&K's proprietary communication system, provides secure wireless functionality via Bluetooth or optional cloud-based software..



CMS units have the option to come equipped with an on-board keyboard for programming and NTCIP Compliance.



Robust aluminum composite slat stabilizes LED panels.



Gear style braking system secures the display angle.

