



PORTABLE CHANGEABLE MESSAGE BOARD

MODEL #MB14281

The all new Full Matrix Message Board provides messaging functionality to display predefined and custom messages in three lines of 18" high alphanumeric text and MUTCD graphics/animations via an on-board controller. Our all LED display measures 142"x 81" and is mounted on a powder coat painted hydraulic style trailer.

FEATURES

- ▶ Maintenance Free Batteries
- ▶ Long Lasting Battery Life
- ▶ Sealed Battery Box
- ▶ Single 140 Watt Solar Panel
- ▶ NTCIP Controller (Optional)
- ▶ Meets MUTCD Standards
- ▶ Auto Dimming
- ▶ Super Bright LED Technology
- ▶ 360° of Rotation
- ▶ Durable Powder Coat Paint
- ▶ (4) Adjustable Corner Jacks and (1) Tongue Jack
- ▶ Sleek Frame Design



NTCIP Controller (Optional)



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PORTABLE MESSAGE BOARD

TRAILER MOUNT SERIES

TRAILER

Width: 82" fender to fender
Length with tongue: 172"
Length without tongue: 120"
Transport Height: 110"
Operating Height: 170"
Salt Spray: 4,000 hours
Paint: Powder Coated
Main frame: 2"x5"x1/8"
Front/Rear Cross members: 2"x3"x1/8"
Wheels: 15"
Gross Weight: 1655 lbs
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: 5
LED Type: Agilent amber 592NM
Viewing Angle: 30 degrees
Visibility: Up to 1 mile
Hours: 100,000 hour LED
Lines: Displays 3 lines of text and graphics in regular. In short font 4 lines.
Characters per line: 8 characters in regular font. 6 character in bold font.
Character Height: 18" standard
Operating Temp: (-30°F to 170°F)
**If one module fails, remainder of sign is unaffected*

DISPLAY ENCLOSURE

Construction: Extruded Aluminum 6063 alloy
Panel Size: 81"x6"x142"
Paint: Powder coated
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, 12 V., 60 amp
Recharge: 24 hours
On-Board diagnostics to monitor: Solar, battery, and load
Solar: (1) 140 watt solar panel
Regulator and/or CrossTalk: Built in low and high voltage disconnects

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*

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



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.



K&K Systems' **Quick Message Selection Thumbwheel** switches between the first 16 user defined messages. Roll the thumbwheel to desired message number to display a message.