



K&K Systems, inc.
Traffic Safety Products Manufacturer

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

- ▶ NTCIP Controller
- ▶ Maintenance Free Batteries
- ▶ Long Lasting Battery Life
- ▶ Sealed Battery Box
- ▶ Single 140 Watt Solar Panel
- ▶ 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



K&K's on-board controller



MODEL #MB14281

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: 1,000 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: High-density polyethylene
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 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
**If one module fails, remainder of sign is unaffected*

DISPLAY ENCLOSURE

Construction: Extruded Aluminum 6063 alloy
Panel Size: 81"x6"x142"
Paint: Powder coated
Salt Spray: 1000 hours
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: (6) 12 volt batteries for combined 660 amps
Battery Charger: 12 volt, 1000 watt, 60 amp
Recharge: 24 hours
On-Board diagnostics to monitor: Solar, battery, and load
Solar: (1) 140 watt solar panel
Regulator: Low voltage & high voltage disconnects built into CrossTalk

CONTROLLER

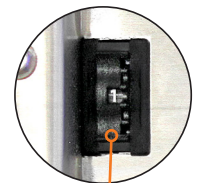
Wireless Device: CrossTalk Controller
Online Programming: Yes
Controller Display: Any internet connected device (computer, tablet, smartphone)
Data Entry: Web-based software
**"Auto Resume" after power failure*
Control Cabinet: Weatherproof aluminum construction

CONTROLLER

Preprogrammed Messages: 215
User programmable: 100
Message Timing: Slow, medium, fast
Dimming: Auto or Manual
Protection: Password
Quick Message Selection: Thumbwheel to quickly select between 15 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*

OPTIONS

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



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.



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