



**K&K Systems, inc.**  
Traffic Safety Products Manufacturer

## FEATURES

- ▶ Solar-Powered
- ▶ Telescoping Winch Trailer
- ▶ 360° Rotating Radar
- ▶ Interchangeable Speed Numerals
- ▶ Up to 18" Character LED Display
- ▶ Over Speed Flashing Violator Alert
- ▶ Over Speed Blanking Violator Alert
- ▶ KPH Option available
- ▶ FCC pre-approved radar with CE mark for worldwide deployment
- ▶ Lowest power industry standard radar for speed measurement
- ▶ Day/Night Automatic Dimming
- ▶ Lexan protected display
- ▶ Available in 24.125GHz and 24.200Ghz
- ▶ All Aluminum Display Enclosure
- ▶ Powder Coat Finish
- ▶ Front Serviceable
- ▶ Removable Tongue
- ▶ Compact Trailer Design

# WINCH TRAILER MOUNT RADAR SPEED MONITOR

## MODEL #2000R18WT

The Solar Radar Winch Trailer features 360° display rotation with telescopic function for increased visibility. Other features include Auto Intensity Control, two standard violator alerts: Overspeed Flashing to draw attention, and Overspeed Blanking to deter racing.

With K&K Systems Quick Selection Switch you are able to change your Overspeed Violator Alert speed setting and the Overspeed Blanking Violator Alert setting without need of a CPU which allows the field workers to simply push the button to desired speed threshold.



Our 100,000 rated LED lighting unit displays (2)18" amber digits. Our boards detect speeds from 5-99 MPH. KPH board is available. The 100,000 hour rated LED display is protected by a layer of Lexan and a powder coated matte black face to prevent glare and rust. The display measures 35"x 31" and is mounted on a powder coat trailer.



# MODEL #2000R18WT

## 360° TELESCOPIC TRAILER MOUNT RADAR MONITOR

### SIGNAGE

Size: 24" x 30"

Garde: High intensity

Speed Limit: Interchangeable with numerals 1-7 to arrange speed

### TRAILER

Width: 68"

Length with tongue: 104"

Length without tongue: 57"

Transport Height: 87"

Operating Height: Lowered 86" - Raised 135"

Salt Spray: 1,000 hours

Paint: Powder Coat

Main frame: 2"x 2"x 11"

Front/Rear Cross members: 2"x 3"x 1/8"

Wheels: 12"

Axle: 2000 lbs double leaf spring

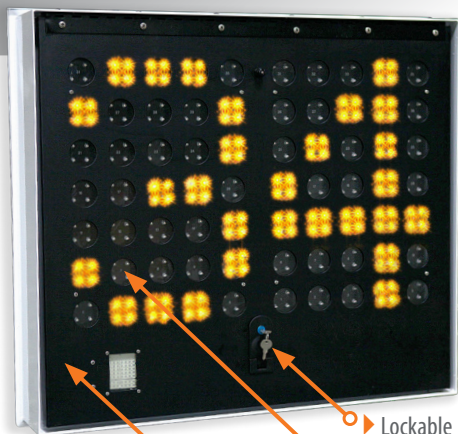
Fenders: 16 Gauge Steel

Jacks: (4) adjustable corner jacks

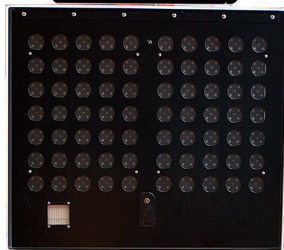
Tongue and Safety Chains: 2" ball hitch; 1/4" safety chains with hooks

### DISPLAY MODULE

- Optical: 5 x 7 Pixel, 2.85" Pitch
- LED pixel is formed using 4 LEDs
- Pixels are arranged in a 2 digit, 5 wide by 7 tall matrix
- LED pixel spacing is 2.85" x 2.85"
- 592 NM wavelength +/- 2NM
- LED vision of minimum of 30 degrees
- Wavelength output variance of +/- 1nm



- ▶ Lockable
- ▶ Lexan Shield
- ▶ Matte Black Aluminum Face
- ▶ Interchangeable Speed Numerals



### DISPLAY ENCLOSURE

- Frame Construction: Extruded Aluminum, 6063 alloy with T5 Temper
- Sealed, weatherproof
- Vandal resistant (lockable)
- Height: 35"
- Width: 31"
- Depth: 6"
- Housing: .090 Aluminum
- Viewing Window: .125 Polycarbonate with UV matte finish
- Paint: Powder coat paint flat black door
- Salt Spray Fog: 1,000 hours
- UV Resistance: 500 hours
- Hardware: Stainless Steel

### SOLID STATE REGULATOR

#### Electrical Specifications:

- Voltage: 12V
- Rated Solar Input: 10A
- Rated Load Current: 10A
- Equalization Voltage: 14.8V
- Boost Battery: 14.4V
- Float Battery: 13.6V
- Low Voltage Disconnect: 11.1V
- Low Voltage Reconnect: 13.1V

### RADAR

- Operating Band K-Band
- Frequency 24.125 GHz ±25Mhz
- Power Output 5mW
- Beam angle 38 x 45
- Polarization Linear
- Supply Voltage 9.5V DC to 16V DC (18VDC max)
- Nominal Current Draw 9.5 mA
- Operating Temp. -40 F to +185 F (-40 C to +85 C)
- Accuracy ±0.1 mph
- Speed Range 5 mph to 99 (8 kmph to 158.4 kmph)
- Detection Range Typically 1500+ feet (457+ meters)
- LED's: (25) yellow/amber Par 46 LED's
- Visor: 360 degree plastic high impact

### OPTIONS

- ▶ Traffic Stats
- ▶ Locking lug nuts
- ▶ Pintle ring or bulldog hitch
- ▶ Custom Paint
- ▶ Outrigger Stability Supports
- ▶ Other Options available