



Part #: M75-18DFB-000x



## IQ1800 Driver Feedback Sign

The IQ Series of Radar Driver Feedback Signs offers solutions for increasing driver speed awareness and road safety. The large, bright 18" characters can be seen from up to 1,500' away, and help promote traffic safety on the most dangerous roads in the country--our highways.

TrafficCalm Driver Feedback Signs are manufactured in the USA in an ISO 9001:2008 certified facility, meeting and exceeding industry standards and state testing requirements. Optionally, our 18" TrafficCalm Signs can be supplied UL/ULC listed for electric code compliance. TrafficCalm signs are unmatched in durability, accuracy, ease of use and affordability.

### Features:

- Available in 18" and 18" jumbo, and work zone versions. (Jumbo sign has larger sign face)
- Bluetooth remote programming
- SafetyCalm Configuration and Traffic Data Collection software included free
- SafetyCalm™ Android App available on the Google Play Store for free
- Emoticon display options to increase driver awareness
- Programmable full matrix display allows the sign to display speed numbers as well as messages like 'SLOW DOWN'.
- UL/ULC listed option available for simple and code compliant installation
- 100% MUTCD compliant
- Solar or 110V AC ready (power packages sold separately)
- K-band (24.15GHz) radar, range 1,000+ feet.
- Unlimited tech support and customer service from our USA facility for the life of the sign
- Fast delivery- typically ships within 5 days of order
- 3 year limited warranty



The IQ1800 Sign is also available as a Variable Speed Limit sign with data logging and driver feedback (speed awareness) features. When ordering, select VSL.

### Why TrafficCalm?

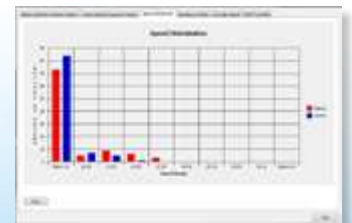
- UL/ULC listed products available
- ISO 9001:2008 Certified USA based facility
- All signs 100% MUTCD compliant
- Vandal resistant designs
- Broadest range of sizes and options in the industry
- Industry leading turnaround from order to delivery
- Unlimited tech support and customer service from our USA facility
- Industry Pioneers in Radar Driver Feedback Technology

### Package Includes:

Driver Feedback sign, mounting bracket, SafetyCalm™ Configuration and Traffic Data Collection Software, installation and user manual.

### SafetyCalm™

SafetyCalm™ Configuration and Traffic Data Collection Software allows you to program your sign from your laptop and collect and graphically display traffic data



# IQ1800 Driver Feedback Sign

Feature	Specifications
<b>LED and Radar Components</b>	
Speed Display Height	18" high numbers, highway gothic 8E font
Text & Emoticon Height	8" high two lines 'SLOW DOWN' text, 18" high 'smile' or 'sad' face emoticon
"YOUR SPEED" Legend	6" high highway gothic font (MUTCD compliant)
LED, 1/2 Cone Angle	Amber (590nm); 1/2 Angle 15°; Rated 100,000 hours; 20,000 CDA/ M^2, Auto Dimming employed
Amber LED on Axis Intensity	20,000 CDA/SQ meter
Sign Legibility	Viewable range: 1,500 feet, legible range: 1,000 feet
Speed Resolution and Range	Min 5 mph, Max 143 mph in 1 mph steps (min 8 kph, max 225 kph in 1.6 kph steps)
Radar Specification and Range	K-band (24.15GHz) direct sensing, license free (FCC part 15 compliant), average range at 1,000 feet (depending on vehicle size)
<b>Materials and Construction</b>	
Chassis Size/Total Weight with Electronics box	36" width x 48" height x 2.75" depth, 56 pounds
Front Face Sheeting	3M™ Diamond Grade™, high visibility prismatic, long
Sign Face Color	White, fluorescent yellow, green, fluorescent orange with additional colors optional
Sign Mounting Construction	3/16" thick aluminum brackets and 1/8" face, standard 3% tilt bracket configuration, Flat mount brackets optional
Vandal Resistant Construction	Enclosed electronics box (ECS) 1/16" thick aluminum enclosure attached to a 1/8" thick mounting plate. The ECS is removable from the chassis as a complete unit.
	1/4" high impact polycarbonate face with high contrast mask, anti-glare graffiti and sunlight resistant
	Provisions for padlocking in place are provided
	Standard DOT powder coat green color with additional colors optional
Electronics Enclosure Rating	Weatherproof, NEMA 3R
<b>Electrical Specifications</b>	
Power Requirements	300mW standby, 2W stealth, 8W typical at night (100% traffic), 30W by day (bright sun, 100% traffic) and 70W overbright (100% traffic, sun on face of display)
Voltage Requirements	9v - 30VDC, 12VDC Nominal, (Battery protection at 11.5VDC and 10.8VDC, startup at 12.3VDC)
Power Options	110VAC power kit
	Solar kits: 90W and 140W kits available
	Battery charger kits, battery boxes
Operating Temperature	Internal components: -34°C to +74°C/ -29°F to +165°F, Ambient Environment: -34°C to +60°C/ -29°F to 140°F
Warranties	Sign: 3 years, Options/accessories: 2 years, excluding batteries
<b>SafetyCalm™ Configuration and Traffic Data Collection Software</b>	
Data Collection	SafetyCalm™ software, license free
Event Logging with Time Stamp	Event data: 60 days with a circular buffer, applied voltage (VDC), internal temperature (°C), ambient light (lux), display functional status, traffic status, shock sensor events, parameter events
Vehicle Data Logging Capacity	Speed Data: 90 days with circular buffer (oldest reading replaced by newest) based on 24/7 operation
Programmable Display Features	Min. speed limit, speed limit, over speed, and maximum speed to display
	Display type: blank (stealth mode), actual speed, speed limit, flashing digits, steady digits, strobing digits and strobing 'SLOW DOWN' text
	Programmable integrated "SLOW DOWN" Message, external beacon control
Schedules	Repeating daily: 9 events, repeating weekly: 9 events, non-repeating dated: 9 events, (27 events in one 24 hour period, 365 days per year while powered)
Communications	Bluetooth™ Class 1 connectivity (V2.1 +EDC) min at 30' (FCC certified), RS232 port
	App for Android™ available on the Google Play Store for free
System Requirements	Operating system: Windows XP, Windows Vista, Windows 7
	Screen resolution: 1024 x 768 or better
	Communications interfaces: Bluetooth Class 1 or 2 adapters (capabilities: V1.0, V1.2, V2.0, V2.1 + EDC)
	Disk space: 16.5MB minimum

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