



BERLEX R6+ TRAFFIC SIGNAL SYSTEM **CLOUD-CONNECTED TRAFFIC CONTROL FOR** **SITE MANAGEMENT**

BERLEX
INTELLIGENT TRAFFIC SYSTEMS

TOPAS Approved, cloud connected traffic signals with real-time control.

The Berlex R6+ is a portable traffic signal system with two parts: the signal head on site and the BerlexConnect cloud system behind it.

The signal head is the physical traffic light unit. It includes the lights, battery and on-site control base. BerlexConnect is built into the signal head and adds the remote functionality, connecting each signal to the internet so you can monitor and control it from anywhere.

Through BerlexConnect you have real-time visibility of signal status, battery level, system health and location. If there's a fault, vandalism or theft, you're notified instantly and can act without travelling to site.

Each signal uses dual-SIM connectivity, switching networks automatically if one drops, so communication stays active without interruption. Mobile network coverage is the only requirement, there are no distance limits.

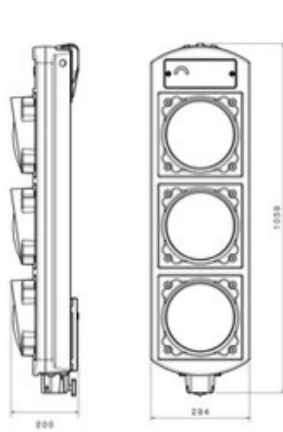
Single or multi-phase operations can be configured from a phone, tablet or laptop, with unlimited signal heads and phases managed through the same platform. Shuttle working, multi phase setups and pedestrian crossings are all supported.

Add single or multiple users to receive real-time low battery alerts, so your team is acting on live information rather than guesswork. Solar charging is also available to extend the time between battery changes.



For more information call: **01622 534000** or visit: **www.solargates.co.uk**





Technical Information

Description	Portable traffic signal system with cloud-based monitoring and remote control for temporary traffic management.
Control	Fully controlled via BerlexConnect on mobile, tablet or laptop. No site attendance required.
Connectivity	Dual SIM mobile network with automatic switching for continuous operation.
Configuration	Unlimited signal heads and phases. Suitable for shuttle, multi-phase and complex traffic layouts.
Power	12v battery system. Typical runtime 7 days. 14 days with 2 batteries.
Solar	Optional solar charging to extend runtime and reduce battery changes.
Operation	RADAR actuated, time-based or manual control.
Administration	Cloud-based access with controlled user permissions and full system traceability.
Safety Features	Automatic system recovery and all-red fallback for safe traffic management.

Base Options

Battery Trolley Base



Stand 130 kg



Capacity	Holds 1,2 or 3 batteries for flexible power configuration.
Access	Full swing-open door for safe roadside battery replacement.
Security	Bullet locks with optional keyed locks. Rolled lip edge deters theft.
Restraint	Internal locking wheels and integrated strapping points.
Post&Branding	Four-bolt post for traffic or pedestrian use. Rear-panel logo branding.
Weight	130 kg, hand assembled with no single part weighing more than 25 kg.
Frame	Galvanised steel frame with 92 cm foot supports for wind stability.
Battery	Housed in three hollow ballast weights beneath the stand cap.
Pole	1.7 m pole with all cabling concealed inside.

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