

# Rectangular Rapid Flash Beacon: RRFB-XL2<sup>™</sup>

Extra-large beacons provide greater visibility, ideal for high-speed and multi-lane pedestrian & school crossings

- Driver yielding rates of 80-90%
- Solar charged battery power
- Completely modular
- Various mounting options

When used to supplement standard pedestrian or school crossing warning signage, RRFBs have produced 80% to 90% driver compliance in yielding to pedestrians at high-risk uncontrolled crossings. This is the highest yielding rate of all devices not featuring a red display, and up to 4 times greater than standard round beacons. RRFBs cost less than other devices with similar vehicular yield rates.

RRFB options include:

- Advance RRFB or BlinkerSign<sup>®</sup> wirelessly linked to Crossing RRFBs
- Multiple activation options
- Multiple power options
- Multiple mounting options



## Applications

- High-speed and multi-lane crossings
- School crossings
- Pedestrian crossings
- Roundabout crossings

## Benefits

- Larger LED arrays provide increased visibility
- Significantly higher driver awareness and compliance

## Options

- Passive detection (see below)
- Stand-alone, self-powered remote bollard activation available

## Optional BlinkLink® Modem with Cloud Service

This hardware controller with optional modem can be integrated into the TAPCO BlinkLink® Web service that allows for alerts, remote programming and retrieval of activation logs. This can be integrated into a Smart City Management System.

## Optional BlinkerBeam® Wireless Communication

Upon pedestrian actuation, BlinkerBeam® Controller Radios synchronously activate all linked LED assemblies wirelessly, both at the crosswalk and in advance of the crosswalk\*. These compact, high output 900MHz transceiver radios have low power draw, so they can be solar/battery-powered.

\*Advance assemblies may incorporate RRFB Beacons, BlinkerSign® LED Signs or BlinkerBeacon™ LED Beacons

Front view



Top view



Side view



### Standard specifications

#### Extra Large Rectangular Rapid Flash Beacon RRFB-XL2™

Light Bar Housing	Black powder coated aluminum
Vehicle LED modules	7" x 3", 2 arrays of 8 amber LEDs spaced 7" apart, SAE J595 class 1 certified
Pedestrian LED module	1 ¾" x ½", side-viewable, flash simultaneously with Vehicle LEDs (optional, one or both sides)
Flash pattern	WW + S (combination wig-wag and simultaneous flash)

#### Solar-Assisted Battery-Powered System

Control Cabinet Housing	NEMA 3R type aluminum cabinet with #2 Corbin lock
Solar Panel: 55 watt	25¼"H x 25¾"W x 1½"D. Adjustable 40° to 60°. Articulating mount rotates and pivots. Conforms to IP-67 (larger packages for high use in colder climates)
Mounting	Aluminum mounting bracket fits 4" – 4½" O.D. pole standard. (Other options available.)
Battery (one per assembly)	12V, 48AH sealed gel battery requires no periodic watering. Sealed construction eliminates corrosive acid fumes and spills. (Other options available.)
Battery Lifespan	Up to 4 years
Control Circuit	IP-67 rated enclosure

#### BlinkerBeam® Wireless Communication System

Frequency	900 MHz FHSS
Range	For system separation over 900', a radio site survey is recommended
Connectivity	Crosswalk and optional Advance LEDs activate concurrently
BlinkerSync™ Wireless Synchronized Activation	Individual units in one system flash in synchronized patterns (avoids light noise of system operation). Ideal for multiple assemblies flashing in the same direction.
Push Button Activation	ADA push button, typical (<120 millisecond)

#### Programming

Windows TAPCO configuration software
Optional web-based cellular communication for monitoring and control available
Optional time clock system available for advance warning signs

#### Warranty

3-year standard warranty
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## Activation Options



### Time Clock Systems

This hardware controller can be integrated with TAPCO RRFB devices and/or BlinkerSign® LED signs, and stores the schedule uploaded from the included Scheduling Software. In turn, the controller permits pedestrian activation (required per FHWA Memorandum) of the RRFB devices according to the stored schedule.



### Push Button Activation

Activated with less than 2 lbs. of force. Provides two-tone audible confirmation as well as visual confirmation. Meets ADA, MUTCD and TAC requirements, and housing meets NEMA specifications. Audible navigation units and remote mounting are available.



### XAV2-LED Push Button Station

The full-featured model provides an instructional, a push button with configurable arrow for activating the flashing lights, a group of 3 LEDs in the plaque, voice message and optional locate tone. The locate tone and message volume automatically adjust in relation to ambient sounds via a built-in microphone.



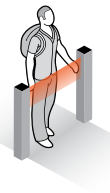
### Pedestrian Presence Detector

Active infrared and microwave technologies work together to provide precise presence and accurate motion detection. Mountable between 8' and 16'. Adjustable cancellation of light, sun, rain and snow. Housing is rated NEMA-4.



### Wireless Bollard Activation

Pedestrians and bicyclists can passively trigger flashing BlinkerSign® LED signs, RRFB, BlinkerBeacon™ LED Beacons, in-pavement LEDs and other ITS devices. Actuators are housed in anodized aluminum cabinets secured in concrete or footings. Battery operated: no grid wiring required.



Due to continuous development of our products, offerings and specifications are subject to change without notice.

For more information visit [tapconet.com](http://tapconet.com) | (800) 236-0112 | [blinkersales@tapconet.com](mailto:blinkersales@tapconet.com)



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