



JOSH TRAFFIC SOLUTIONS
joshtrafficsolutions.co.nz

PRODUCT GUIDE · 2026 · NEW ZEALAND

RADAR SIGNS · TRAFFIC LIGHTS · CONTROLLERS · WARNING LIGHTS · SIGNS · TMP GEAR

SAFER ROADS. FACTORY DIRECT. BUILT TO SPEC.

Radar speed signs, traffic lights and signal controllers, solar warning lights, LED and reflective signs, and TMP crew gear for New Zealand traffic management crews, contractors, councils, schools and private sites — made in our own overseas factory and supported from Auckland.

REQUEST A QUOTE

OWN FACTORY

CUSTOMISED TO YOUR SITE

SHORT LEAD TIMES

SAFETY & STANDARDS FIRST

022 566 1135
joshtrafficsolutions.co.nz

Josh Traffic Solutions
a division of Joshua Enterprises Limited
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GST 145-260-698

WHY JOSH TRAFFIC SOLUTIONS

FACTORY DIRECT. NZ SUPPORT. NO MIDDLEMEN.

We make traffic safety equipment in our own factory overseas and sell it direct to New Zealand buyers. You don't pay for distributor layers, you can brand and configure the product to suit your job, and you have a real person in Auckland who answers the phone.

01

FACTORY DIRECT, QUOTED PER JOB

Every line comes straight from our factory, with no importer, wholesaler or reseller layers in between. Send a request for quote with your quantities and we'll reply with a written quote landed in NZ.

02

OUR OWN FACTORY

Production, assembly and testing happen in our own facility, so we control the specification, the parts and the schedule. We aren't reselling someone else's stock.

03

CUSTOMISED TO YOUR SITE

Sign size, housing colour, text, LED colour, speed thresholds, solar and battery sizing, mounting and your own logo. One-off specials and fleet orders both welcome.

04

SHORT LEAD TIMES

No minimum order on most lines. Samples typically ship in 3-5 days and standard production runs typically take 1-2 weeks, plus air or sea freight to NZ. Every quote comes with a confirmed date.

05

SAFETY & STANDARDS FIRST

Products are configured for NZ practice under the NZGTTM, the TCD Rule and NZTA guidance, and we work through the NZ radio and electrical requirements for each product before we supply it. On a public road, you know exactly where the product stands.

06

BACKED IN AUCKLAND

Set-up help, programming, spare parts and warranty claims all go through one local contact. We'll walk you through the app, remote and threshold settings before your sign goes live.

No MOQ

on most lines, so you can trial a single unit first

3-5 days

typical sample dispatch from the factory*

1-2 wks

typical standard production run*

2 years

main-unit warranty on radar speed signs (1 yr battery)*

*Typical figures from our factory production terms. Freight to NZ comes on top: air is usually about a week, sea several weeks. Large or custom orders may take longer. Your quote states the actual dates and warranty terms.

CERTIFICATIONS & RATINGS

Factory / product credentials · copies on request

ISO 9001

QUALITY MANAGEMENT

ISO 14001

ENVIRONMENTAL MGMT

CE

EU CONFORMITY

RoHS

RESTRICTED SUBSTANCES

EN 12368

LED SIGNAL HEADS

IP54-IP65

INGRESS PROTECTION

ISO 9001 and ISO 14001 are held by our manufacturing facility. CE and RoHS apply to the radar sign, signal and LED ranges as marked; EN 12368 to LED signal heads/modules; IP ratings are per product (see each spec table). **These are factory and product credentials, not NZTA approvals.** See page 3 for how each product fits NZ rules.





Roadworks, Harris Street, Wellington

BUILT FOR AOTEAROA NEW ZEALAND

WHERE OUR PRODUCTS FIT NZ RULES

New Zealand's temporary traffic management has moved to a risk-based approach. That favours equipment that keeps people out of the live lane, slows drivers down and makes a site visible day and night, which is exactly what our solar, radar and LED range does.

NZGTTM NOW IN FORCE

The NZ Guide to Temporary Traffic Management replaces CoPTTM. NZTA projects have applied it since 1 Oct 2025, and most road controlling authorities have required it for new applications since 1 July 2026. Controls are chosen on risk, and speed feedback and active warning are part of the toolkit.

SCHOOL SPEEDS 1 JULY 2026

Under the Setting of Speed Limits Rule 2024, councils have been rolling out variable speed limits outside schools, with electronic signs on busier roads. Speed feedback and flashing school-zone signs back that up at the gate.

SPEED INDICATORS NZTA GUIDANCE

NZTA's active warning sign standard and Traffic Note 23 set out where a "YOUR SPEED" device goes and how it behaves: display from 20 km/h below the limit, and SLOW DOWN no more than 10 km/h over. Our signs ship programmable to these defaults.

HOW EACH PRODUCT LINE FITS

PRODUCT LINE	NZ FIT	TYPICAL NZ USE & WHAT APPLIES
Solar "YOUR SPEED" speed indicator sign	Established in NZ	Town thresholds, school approaches, rural communities. Set up to NZTA SID guidance (Traffic Note 23 / AWRS). Permanent installs on public roads need RCA sign-off.
Portable solar radar speed sign	Established in NZ	Worksite speed compliance and temporary speed limits. Deploy as a control measure in the site TMP under NZGTTM.
Smiley-face driver feedback sign	Newer to NZ	Private roads, school grounds, retirement villages, campuses, car parks. NZ trialled smiley feedback on public roads in 2024 under a gazetted TCD trial. Public-road use only where the RCA permits it.
Solar amber flashing warning light	Established in NZ	Hazards, intersections, site entries, school zones. Use with the correct TCD sign, or as a site hazard marker under the TMP.
Solar LED flashing sign (custom face)	Compliance pathway	Faces made to NZ TCD Rule layouts on request. Any legend or layout on a public road must be one the TCD Rule or a gazette notice allows.
LED batons & hand-held signals	Established in NZ	Night and low-light visibility for TTM crews and marshals. Supplements, never replaces, the required STOP/GO signs.
Remote & self-timed site signals	Private sites only	Quarries, yards, depots, car parks, private roads. Not for public-road shuttle control. Portable signals there must be AS 4191-certified and on NZTA's register.

Every line below is made in our own factory, customised to your site (size, face, colour, power) and supplied by request for quote. Quote the product code in your enquiry.



7 lines

RADAR SPEED SIGNS

Fixed, portable and feedback (smiley) speed indicator signs

JTS-SID Solar YOUR SPEED speed...

JTS-PSS Portable solar radar speed...

JTS-FB Smiley-face driver feedback...

JTS-SID-L Lightweight IP65 radar speed...

JTS-SID-M Message-display radar sign...

JTS-SPL-R Radar speed-limit sign with...

JTS-SID-X Large radar sign with...



12 lines

TRAFFIC LIGHTS

Signal heads, portable / self-timed lights, pedestrian, cycle, lane control, countdowns

JTS-SITE Remote-control & self-timed...

JTS-TL-AUTO Self-timed 200 mm signal...

JTS-TL-RYG Red / amber / green LED...

JTS-TL-MINI Compact full-ball signal light

JTS-TL-ARW Arrow & directional LED...

JTS-LCS Lane-control signal – red X...

JTS-MOD LED signal modules (retrofit...

JTS-PED Pedestrian signals with...

JTS-BIKE Bicycle signals

JTS-PB Pedestrian push buttons

JTS-CDT LED countdown timers

JTS-RCD Remote-control countdown light



3 lines

SIGNAL CONTROLLERS

Solar wireless, mains intersection and economy controllers

JTS-CTL-S Solar wireless signal...

JTS-CTL-EC Intersection signal...

JTS-CTL-A Economy 44-output signal...



6 lines

WARNING LIGHTS

Solar amber flashers, beacons, strobes and road studs

JTS-AWL Solar amber flashing warning...

JTS-BCN Solar magnetic flashing beacon

JTS-STR Magnetic LED strobe...

JTS-PLB Plant / forklift LED beacon

JTS-STUD Solar LED road stud

JTS-STUD-H Heavy-duty cast-aluminium...



6 lines

TRAFFIC SIGNS

Flashing LED warning and regulatory-style signs, reflective aluminium signs

JTS-SLS Solar LED flashing sign,...

JTS-LED-W Solar LED warning signs

JTS-PXW Solar LED...

JTS-SPL Solar LED speed-limit / ..

JTS-GUIDE Solar LED chevron / guidance...

JTS-SIGN Reflective aluminium signs...



4 lines

TMP / TTM CREW GEAR

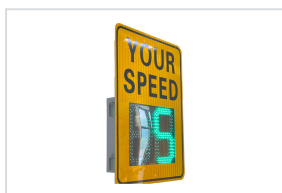
Batons, LED STOP/GO, cones and drums for traffic management crews

JTS-TMO LED traffic batons &...

JTS-BAT Rechargeable LED traffic...

JTS-SS Handheld LED STOP / SLOW signs

JTS-CONE Rubber & PE traffic cones...



CE RoHS IP54

OUR TOP PICK FOR COUNCILS & SCHOOLS

SOLAR "YOUR SPEED" SPEED INDICATOR SIGN

Shows each approaching driver their own speed, then switches to SLOW DOWN when they're over. A proven way to bring speeds down at thresholds and school approaches, with no trenching or mains power needed.

KEY FEATURES

- ✓ 24.15 GHz K-band Doppler radar reads approaching vehicles from up to 200 m
- ✓ Green digits under the limit; flashing red digits and SLOW DOWN when over
- ✓ 2-digit (to 99 km/h) or 3-digit (to 199 km/h) high-brightness LED, auto day/night dimming
- ✓ 3-in-1 set-up: Bluetooth app, handheld remote or on-board panel
- ✓ Solar (no trenching, no power bill) or mains; one-button km/h ↔ mph
- ✓ Custom size, housing colour, text, LED colour and your logo

Best for: Councils/RCAs, school approaches, town thresholds, rural communities; semi-permanent TTM

PRODUCT DIMENSIONS

1100 × 700 × 70 mm · 900 × 600 × 70 mm · 750 (700) × 500 × 70 mm · custom sizes on request

SPECIFICATIONS

Radar frequency	24.15 GHz Doppler (K-band)
Detection range	Up to 200 m
Accuracy	±2 km/h
Speed range	1-99 km/h (2-digit) · 1-199 km/h (3-digit)
Display	Red/green LED digits + SLOW DOWN message
Set-up	Bluetooth app · remote · panel; thresholds, brightness, messages
Solar version	18 V / 80 W panel + 11.1-12 V 20 Ah lithium battery
Autonomy	≈3-5 rainy days (traffic dependent)
Mains version	220 V AC ±20% (suits NZ 230 V)
Materials	Galvanised steel or aluminium, engineering-grade reflective sheeting
Housing colour	Yellow standard · black, white, blue
IP rating	IP54 or better
Operating temp.	-20 to +70 °C
Weight	On request (size dependent)
Warranty	2 yrs main unit · 1 yr battery (factory-stated)



WATCH PRODUCT VIDEOS

joshtrafficsolutions.co.nz/videos/jts-sid

5 clips · scan the code

1. YOUR SPEED sign — product overview
2. 2/3-digit YOUR SPEED sign — on the road
3. Set-up with remote, app & panel
4. 30-week outdoor field test
5. 41-week low-maintenance field test

REQUEST A QUOTE

Quote ref **JTS-SID**. Tell us quantity, size, power, face/text and delivery site. Call or text 022 566 1135.

JTS-PSS



CE

RoHS

IP65

FOR TTM CREWS & WORKSITES

PORTABLE SOLAR RADAR SPEED SIGN

A freestanding speed feedback sign you can move to wherever speeds are a problem. On site in minutes, and it moves as the job moves.

KEY FEATURES

- ✓ Speed-limit roundel and YOUR SPEED display on one board
- ✓ 24.15 GHz radar, 0–200 m, accuracy better than 2 km/h; one or two lanes
- ✓ Red/green LED pixels; 2- or 3-digit display
- ✓ Slim 'backpack' version: zero wiring, tool-free mount, IP65, light to carry
- ✓ Solar or mains; parameters set by app
- ✓ Roundel face made with the NZ temporary speed limit layout

Best for: TTM crews, contractors, temporary speed limits, events, detours

PRODUCT DIMENSIONS

W 500 × H 700 mm · W 600 × H 1200 mm · W 700 × H 1200 mm · slim panel 750 × 550 × 120 mm · custom

SPECIFICATIONS

Radar frequency	24.15 GHz
Detection range	0–200 m (≥150 m measuring)
Accuracy	< 2 km/h
Speed range	1–199 km/h
Display	2/3-digit LED, red + green pixels
Visibility	≥ 200 m
Power	Solar battery or mains
Slim version solar	18 V / 80 W panel, ≈3–5 rainy days
Materials	Galvanised steel + reflective sheeting (slim: galvanised sheet or aluminium)
IP rating	IP65 (slim & white versions)
Operating temp.	–20 to +70 °C
LED life	> 100,000 h
Mounting	Freestanding stand; cart/trailer/post scoped on request
Weight	On request



WATCH PRODUCT VIDEOS

joshtrafficsolutions.co.nz/videos/jts-pss

2 clips · scan the code

1. Portable display board — app-set parameters
2. White sign with custom text — QC check

REQUEST A QUOTE

Quote ref **JTS-PSS**. Tell us quantity, size, power, face/text and delivery site. Call or text 022 566 1135.

NZ USE: A speed-management control in your NZGTTM risk assessment and TMP. Data logging is confirmed per model on your quote.



CE RoHS IP54

NEW TO NZ • PRIVATE & COMMUNITY ROADS

SMILEY-FACE DRIVER FEEDBACK SIGN

A green smile when drivers are under the limit, red digits and a sad face when they're not. It changes behaviour without a word.

KEY FEATURES

- ✓ Speed digits plus smiley / sad face feedback
- ✓ Strobe-alert version flashes at speeders; visible beyond 400 m
- ✓ Adaptive brightness: brighter by day, dimmer at night
- ✓ Clamp or column mounting; simple maintenance
- ✓ Solar or AC power; keeps running through rainy spells
- ✓ THANK YOU / SLOW DOWN text and school-zone screen options

Best for: School grounds, retirement villages, subdivisions, campuses, private roads, car parks

PRODUCT DIMENSIONS

Compact panel 585 × 465 mm · strobe version 1380 × 600 × 70 mm (LED display 370 × 470 mm) · custom

SPECIFICATIONS	
Radar frequency	24.15 GHz
Detection range	> 150 m (up to 200 m)
Accuracy	< 2 km/h
Speed range	1-99 km/h (2-digit) · to 199 km/h (3-digit)
Display	Red/green LED digits + face icons
Visibility	200 m (compact) · > 400 m (strobe version)
Solar (strobe version)	80 W panel + 12 V 30 Ah battery, ≈3-5 rainy days
Mains	AC (220 V ±20%)
Materials	Galvanised steel/aluminium, engineering-grade film
Housing	Black standard · yellow, white, blue
IP rating	IP54
Operating temp.	-20 to +70 °C
Weight	On request



WATCH PRODUCT VIDEOS

joshtrafficsolutions.co.nz/videos/jts-fb

2 clips · scan the code

1. Black smiley / sad-face feedback sign
2. 3-screen school-zone sign: speed + face + text

REQUEST A QUOTE

Quote ref **JTS-FB**. Tell us quantity, size, power, face/text and delivery site. Call or text 022 566 1135.

NZ USE: Ready to go on private roads and grounds. NZ ran a gazetted public-road trial of smiley feedback in 2024, so on a public road use it only where the RCA allows.

JTS-SID-L



LIGHTWEIGHT IP65 RADAR SPEED SIGN

- ✓ 24 GHz radar, visible from 200 m+
- ✓ Light galvanised or aluminium body, quick pole mount
- ✓ 18 V / 80 W solar panel, 3-5 rainy days autonomy
- ✓ Mains option; custom face and colours

Best for: Rural roads, subdivisions, farm and quarry entrances

CE

IP65

DIMENSIONS 750 × 550 × 120 mm (custom sizes)

SPECIFICATIONS

Size	750 x 550 x 120 mm/Customizable	Radar frequency	24 GHz
Visible distance	≥ 200 meters	Material	Galvanized sheet / can be made of aluminum
Power supply	Solar battery or main power	Solar panel specification	18V / 80W
Battery operation duration	approximately 3-5 days in continuous rainy weather (depending...)		

VIDEO ON REQUEST

Ask for a live video call demo before you order.

REQUEST A QUOTE

Ref JTS-SID-L · 022 566 1135

NZ USE: Use as a speed indicator device (SID) under NZTA Traffic Note 23 guidance.

JTS-SID-M



MESSAGE-DISPLAY RADAR SIGN (SLOW DOWN)

- ✓ P3 dot-matrix LED shows speed plus SLOW DOWN / THANK YOU text
- ✓ Green under the limit, red over (set per site)
- ✓ ≤10 W total draw – solar or mains
- ✓ Messages and thresholds set to your brief

Best for: Town thresholds, curves, school approaches

CE

IP65

DIMENSIONS 700 × 500 × 130 mm (custom sizes)

SPECIFICATIONS

Display	P3 dot-matrix, 2 digits (1-99 km/h) + text	Size	700*500*130mm/ customized
Material	Galvanized Steel+led light+ reflective sheeting	Measuring distance	>200m
Maximum display speed	two digits 99km/h, with a minimum starting speed of 1km/h...	Power supply	Solar battery or main power
Overall power	≤ 10W	Speed limit mode	Adjustable. Green speed value is displayed when not exceeding...

VIDEO ON REQUEST

Ask for a live video call demo before you order.

REQUEST A QUOTE

Ref JTS-SID-M · 022 566 1135

NZ USE: NZ message wording and thresholds set to the AWRS / Traffic Note 23 guidance before dispatch.

JTS-SPL-R



RADAR SPEED-LIMIT SIGN WITH YOUR SPEED DISPLAY

- ✓ Static speed-limit roundel plus live YOUR SPEED digits
- ✓ White or bicolour LED, 2 or 3 digits
- ✓ Solar or mains; 100,000 h LED life
- ✓ 2-yr unit / 1-yr battery warranty (factory-stated)

Best for: Councils, schools, private roads, campuses

CE

IP65

DIMENSIONS

500 × 700 mm (custom sizes)

SPECIFICATIONS

Size	W 500x H 700 mm/ customized	Material	Galvanized Steel+led light+ reflective sheeting
Measuring distance	>150m	Display mode	2-digit LED Display(optional)
Power supply	Solar battery or main power	Work temperature	-20 °C--+ 70 °C
Protection grade	IP65	Measurement range from	1-199km/h

VIDEO ON REQUEST

Ask for a live video call demo before you order.

REQUEST A QUOTE

Ref JTS-SPL-R · 022 566 1135

NZ USE: Limit roundel must match the legal limit; layout confirmed with the RCA.

JTS-SID-X



LARGE RADAR SIGN WITH FLASHING OVER-SPEED ALERT

- ✓ Flashing alert and smile/sad face for over-speed drivers
- ✓ 2 or 3-digit display, adaptive day/night brightness
- ✓ Solar battery runs 3-5 rainy days
- ✓ Large 1380 mm panel for high-speed roads

Best for: State-highway-style approaches, 70-100 km/h roads

CE

RoHS

DIMENSIONS

1380 × 600 × 70 mm (custom sizes)

SPECIFICATIONS

Size	1380mm*600mm*70mm/ customized	Material	Galvanized Steel+led light+ reflective sheeting
Maximum display speed	two digits 99km/h, with a minimum starting speed of 1km/h...	Display mode	2/3-digit LED Display(optional)
Power supply	Solar battery or main power	Adaptive brightness	Increased brightness during the day and decreased brightness...
Solar power supply battery duration	About 3 to 5 days of continuous rainy days (depending on the...)	Measurement range from	1-199km/h



WATCH THE VIDEO

joshtrafficsolutions.co.nz/videos/jts-sid-x

Flashing smile/sad radar sign – demo

REQUEST A QUOTE

Ref JTS-SID-X · 022 566 1135

JTS-SITE



CE

RoHS

EN 12368

IP53+

YARDS · QUARRIES · DEPOTS · CAR PARKS

REMOTE-CONTROL & SELF-TIMED SITE SIGNALS

Red/green LED signals for site gates, one-lane haul roads, weighbridges, wash bays and loading docks. Switch them by handheld remote, or let the built-in timer and countdown run the cycle.

KEY FEATURES

- ✓ Handheld remote switching in under 100 ms
- ✓ Self-timed unit: built-in controller, adjustable red/green times
- ✓ Countdown digits option
- ✓ High-brightness red 625 nm / green 505 nm LEDs
- ✓ Battery/solar pack (remote unit) or mains (timed unit)
- ✓ 3-aspect, arrow and lane-control heads also available

Best for: Quarries, yards, depots, weighbridges, wash bays, loading docks, private roads

PRODUCT DIMENSIONS

Aspect Ø200 mm or Ø300 mm · custom housings on request

SPECIFICATIONS

Remote unit supply	12 V DC, ≤1 A (battery or solar pack)
Remote range	10–30 m
Switching	< 100 ms
Timed unit supply	220 V AC ±20% (electrician installed)
Power draw	Signal ≤6 W · countdown ≤10 W
Wavelength	Red 625 nm · green 505 nm
Insulation	≥ 500 MΩ
IP rating	IP53 or better
Operating temp.	–40 to +80 °C
Weight	On request

PRODUCT VIDEO

Demo clips and live walk-through of this product available on request. Ask for a video call and we'll show you the unit working before you order.

REQUEST A QUOTE

Quote ref **JTS-SITE**. Tell us quantity, size, power, face/text and delivery site. Call or text 022 566 1135.

IMPORTANT: For private sites and internal roads only. Portable signals used for shuttle control on a public road must be AS 4191-certified and on NZTA's register. These units are not.

JTS-TL-AUTO



SELF-TIMED 200 MM SIGNAL WITH COUNTDOWN

- ✓ Built-in controller — no separate signal controller
- ✓ Set red and green times up to 999 s each
- ✓ Keeps settings after power loss
- ✓ Red full-ball, countdown and green full-ball heads

Best for: Private sites, car parks, quarries, events, training yards

CE RoHS IP53

DIMENSIONS

Ø200 mm or Ø300 mm heads

SPECIFICATIONS

Size	200 mm/ 300 mm/ customized	Voltage range	AC220V±20%
Signal light power	≤6w	Countdown power	≤10w
Work temperature	-40 °C~+ 80 °C	Protection grade	≥IP53



WATCH THE VIDEO

joshtrafficsolutions.co.nz/videos/jts-tl-auto

LED signal heads — product demo

REQUEST A QUOTE

Ref JTS-TL-AUTO · 022 566 1135

NZ USE: Private sites only. Public-road portable signals must be AS 4191 certified and on NZTA's register.

JTS-TL-RYG



RED / AMBER / GREEN LED SIGNAL HEADS

- ✓ Ultra-bright LEDs, >500 m view distance
- ✓ PC or die-cast aluminium housings
- ✓ 12-24 V DC or 176-264 V AC
- ✓ Vertical or horizontal; mix-and-match aspects

Best for: Private intersections, depots, ports, mines, test tracks

CE RoHS EN 12368 IP53

DIMENSIONS

Ø100 / 200 / 300 mm aspects (custom)

SPECIFICATIONS

Diameter	100mm/200mm/300mm / customized	Material	PC engineering plastic/die-cast aluminium
LED wave length	Red (625nm) Yellow (590nm) Green (505nm)	LED light angle	30°
Power type	Constant current	Operating voltage	DC12~24V, AC176~264V
Single light rated power	≤8W	Service life	>50,000hours



WATCH THE VIDEO

joshtrafficsolutions.co.nz/videos/jts-tl-ryg

LED signal heads — product demo

REQUEST A QUOTE

Ref JTS-TL-RYG · 022 566 1135

NZ USE: Public-road signals must meet NZ standards and be specified by the RCA — we quote to that spec.

JTS-TL-MINI



COMPACT FULL-BALL SIGNAL LIGHT

- ✓ Small, light and low-power (≤ 6 W per aspect)
- ✓ Red, amber and green full-ball faces
- ✓ 12–24 V DC or AC supply
- ✓ Wall, pole or bracket mount

Best for: Car-wash bays, loading docks, gates, driver training

CE

IP53

DIMENSIONS

Ø100 / 200 / 300 mm

SPECIFICATIONS

Diameter	100mm/200mm/300mm / customized	Material	PC engineering plastic/die-cast aluminium
LED wave length	Red (625nm) Yellow (590nm) Green (505nm)	LED light angle	30°
Power type	Constant current	Operating voltage	DC12–24V, AC176–264V
Single light rated power	≤ 6 W	Service life	>50,000hours



WATCH THE VIDEO

joshtrafficsolutions.co.nz/videos/jts-tl-mini

LED signal heads — product demo

REQUEST A QUOTE

Ref JTS-TL-MINI · 022 566 1135

NZ USE: Off-road and site use.

JTS-TL-ARW



ARROW & DIRECTIONAL LED SIGNALS

- ✓ Left / straight / right arrow faces
- ✓ Red, amber, green arrows in one housing
- ✓ Solar-wireless option for remote sites
- ✓ IP53 sealed PC housing

Best for: Site entries, depots, port and yard lanes

CE

EN 12368

IP53

DIMENSIONS

Ø100 / 200 / 300 mm aspects

SPECIFICATIONS

Diameter	100mm/200mm/300mm / customized	Material	PC engineering plastic/die-cast aluminium
LED wave length	Red (625nm) Yellow (590nm) Green (505nm)	LED light angle	30°
Power type	Constant current	Operating voltage	DC12–24V, AC176–264V
Single light rated power	≤ 8 W	Service life	>50,000hours



WATCH THE VIDEO

joshtrafficsolutions.co.nz/videos/jts-tl-arw

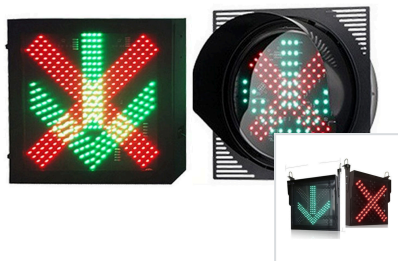
LED signal heads — product demo

REQUEST A QUOTE

Ref JTS-TL-ARW · 022 566 1135

NZ USE: Public-road use to the RCA's signal spec only.

JTS-LCS



LANE-CONTROL SIGNAL — RED X / GREEN ARROW

- ✓ Red cross and green arrow in one unit
- ✓ Low power (≤ 6 W) LED arrays
- ✓ Square 600 × 600 mm or round aspects
- ✓ For tunnels, toll lanes, bridges and gates

Best for: Car-park barriers, weighbridges, ferry/port lanes, tunnels

CE IP53

DIMENSIONS 600 × 600 mm square, or Ø100–300 mm

SPECIFICATIONS

Diameter	100mm/200mm/300mm / customized	Material	PC engineering plastic/die-cast aluminium
LED wave length	Red (625nm) Green (505nm)	LED light angle	30°
Power type	Constant current	Operating voltage	DC12~24V, AC176~264V
Single light rated power	≤ 6 W	Service life	>50,000hours



WATCH THE VIDEO

joshtrafficsolutions.co.nz/videos/jts-lcs

Red X / green arrow lane signal — demo

REQUEST A QUOTE

Ref JTS-LCS · 022 566 1135

NZ USE: Lane-use signals on public roads must follow the TCD Manual — confirm with the RCA.

JTS-MOD



LED SIGNAL MODULES (RETROFIT CORES)

- ✓ Drop-in LED cores for existing signal heads
- ✓ Red, amber or green; uniform optical lens
- ✓ Low power, 100,000 h+ lifespan
- ✓ 12/24 V DC or 220 V AC versions

Best for: Maintenance contractors, asset owners, spares stock

EN 12368 CE RoHS

DIMENSIONS Ø100 / 200 / 300 mm

SPECIFICATIONS

Housing material	High-Strength Polycarbonate (PC), UV Stabilized	LED color	Red / Yellow / Green
Light source	High Power LED	Size	100mm/200mm/300mm/ customized
Operating voltage	DC12V/24V, AC220V	Measuring distance	1-600m
Shell material	PC	Work temperature	-20 °C → +60 °C



WATCH THE VIDEO

joshtrafficsolutions.co.nz/videos/jts-mod

LED signal module — product demo

REQUEST A QUOTE

Ref JTS-MOD · 022 566 1135

NZ USE: Supply to the asset owner's spec; check fit and photometrics before rollout.

JTS-PED



PEDESTRIAN SIGNALS WITH COUNTDOWN

- ✓ Red stand / green walk figures
- ✓ Optional countdown digits
- ✓ Solar version available
- ✓ 12–24 V DC or 176–264 V AC

Best for: Private campuses, retail car parks, events

CE

EN 12368

IP53

DIMENSIONS

Ø100 / 200 / 300 mm

SPECIFICATIONS

Diameter	100mm/200mm/300mm / customized	Material	PC engineering plastic/die-cast aluminium
LED wavelength	Red(625nm)Green(505nm)	LED light angle	30°
Power type	Pattern: Constant current;Countdown: Constant voltage	Operating voltage	DC12–24V,AC176–264V
Single light rated power	Pattern:≤12W;Countdown:≤20W	Service life	>50,000hours



WATCH THE VIDEO

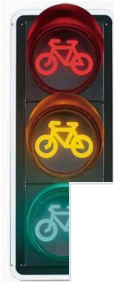
joshtrafficsolutions.co.nz/videos/jts-ped

LED signal heads — product demo

REQUEST A QUOTE

Ref JTS-PED · 022 566 1135

JTS-BIKE



BICYCLE SIGNALS

- ✓ Bicycle symbol in red / amber / green
- ✓ Optional countdown, solar powered option
- ✓ High-brightness LED, >500 m view
- ✓ Pole or bracket mount

Best for: Cycleways, shared paths, campus routes

CE

IP53

DIMENSIONS

Ø100 / 200 / 300 mm

SPECIFICATIONS

Diameter	100mm/200mm/300mm / customized	Material	PC engineering plastic/die-cast aluminium
LED wave length	Red (625nm) Yellow (590nm) Green (505nm)	LED light angle	30°
Power type	Constant current	Operating voltage	DC12–24V,AC176–264V
Single light rated power	≤8W	Service life	>50,000hours



WATCH THE VIDEO

joshtrafficsolutions.co.nz/videos/jts-bike

LED signal heads — product demo

REQUEST A QUOTE

Ref JTS-BIKE · 022 566 1135

NZ USE: Cycle signals on roads follow the TCD Manual — supply to the RCA's spec.

JTS-PB



PEDESTRIAN PUSH BUTTONS

- ✓ Stainless-steel button, aluminium or steel housing
- ✓ Tactile / arrow face options
- ✓ IP55–IP65 sealed
- ✓ 7.4 V, 12 V or 230 V versions

Best for: Private crossings, signal upgrades, spares

ISO 9001

ISO 14001

IP65

DIMENSIONS

220 × 120 × 80 mm

SPECIFICATIONS

Size	22*12*8cm	Material	Stainless steel button + Aluminum alloy housing
Power supply	7.4V, 12V	Operating temperature	-40°C~+80°C
Ip rate	IP55	Environment temperature	-40°C~ +70°C
Housing material	Cold-rolled Steel	Working voltage	AC220V

VIDEO ON REQUEST

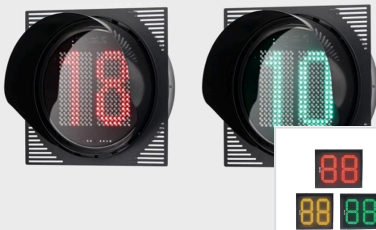
Ask for a live video call demo before you order.

REQUEST A QUOTE

Ref JTS-PB · 022 566 1135

NZ USE: Match to the controller and NZ accessibility needs.

JTS-CDT



LED COUNTDOWN TIMERS

- ✓ 2 or 3 digit red / green countdown
- ✓ Pairs with signal heads or controllers
- ✓ PC or aluminium housing
- ✓ Large-format 800 × 600 mm option

Best for: Private sites, ports, loading zones

CE

IP53

DIMENSIONS

Ø300 mm, 500 mm, 800 × 600 mm (custom)

SPECIFICATIONS

Diameter	100mm/200mm/300mm/Customized Size	Material	PC engineering plastic/die-cast aluminium
LED wave length	Red (625nm) Yellow (590nm) Green (505nm)	LED light angle	30°
Power type	Constant current	Operating voltage	DC12~24V, AC176~264V
Single light rated power	≤15W	Service life	>50,000hours

VIDEO ON REQUEST

Ask for a live video call demo before you order.

REQUEST A QUOTE

Ref JTS-CDT · 022 566 1135

NZ USE: Countdowns are not standard on NZ public signals — site use or to RCA spec.



REMOTE-CONTROL COUNTDOWN LIGHT

- ✓ Change red / green from a handheld remote
- ✓ Built-in countdown display
- ✓ Low power 12 V (≤ 5 W)
- ✓ Indoor or outdoor (IP53)

Best for: Cool stores, wash bays, gates, workshops

CE IP53

DIMENSIONS Ø221 / 235 mm

SPECIFICATIONS

Diameter	221mm/235mm	Material	PC engineering plastic/die-cast aluminium
LED wave length	Red (625nm) Yellow (590nm) Green (505nm)	LED light angle	30°
Power type	Constant current	Operating voltage	DC12~24V, AC175~285V
Single light rated power	≤ 5 W	Voltage	12V

VIDEO ON REQUEST

Ask for a live video call demo before you order.

REQUEST A QUOTE

Ref JTS-RCD · 022 566 1135

NZ USE: Private-site use.

NOT SEEING THE EXACT MODEL?

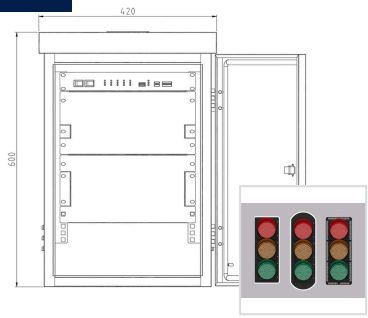
MORE TRAFFIC LIGHTS ON REQUEST

Sizes, faces, colours, power options and mounting are customised to your site. Send a photo, drawing or the spec you use now and we will come back with a written quote and lead time.

REQUEST A QUOTE

022 566 1135 · joshtrafficsolutions.co.nz

JTS-CTL-S



SOLAR WIRELESS SIGNAL CONTROLLER

- ✓ Solar-powered – no trenching or mains
- ✓ Wireless link to each signal head
- ✓ 24 V DC outputs, 3 A each (self-resetting fuse)
- ✓ Main ≤ 5 W, slave ≤ 2.5 W

Best for: Temporary sites, remote intersections, private networks

CE

GB 25280

DIMENSIONS

Cabinet size on request

SPECIFICATIONS

Each signal output	3A/24VDC (built-in self-resetting fuse)	Working range	20-29VDC
Power consumption	Main controller ≤ 5 W; From the controller ≤ 2.5 W (excluding the...	Working environment temperature	-40 to +70°C
Environmental relative humidity	40% -95%		

VIDEO ON REQUEST

Ask for a live video call demo before you order.

REQUEST A QUOTE

Ref JTS-CTL-S · 022 566 1135

NZ USE: Public-road use requires RCA approval and NZ standard compliance.

JTS-CTL-EC



INTERSECTION SIGNAL CONTROLLER (MAINS)

- ✓ Works with all standard LED signal heads
- ✓ Data collection and adaptive timing
- ✓ 3 A / 220 V AC outputs (fused)
- ✓ ≤ 40 W draw (excl. lamps)

Best for: Private networks, ports, industrial estates

CE

GB 25280

DIMENSIONS

650 × 520 × 1000 mm · 62 kg

SPECIFICATIONS

Supply	176-264 V AC 50/60 Hz	Weight	62 kg
Size	650*520*1000mm	Power supply	Solar battery or main power
Work temperature	-40 °C - + 70 °C		



WATCH THE VIDEO

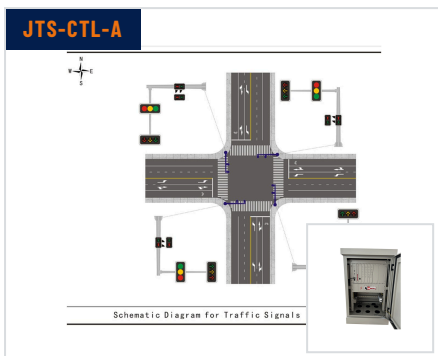
joshtrafficsolutions.co.nz/videos/jts-ctl-ec

Intersection controller – demo

REQUEST A QUOTE

Ref JTS-CTL-EC · 022 566 1135

NZ USE: Mains install by a registered electrician; NZ electrical compliance before supply.



ECONOMY 44-OUTPUT SIGNAL CONTROLLER

- ✓ 44 signal outputs, 5 A / 220 V AC each
- ✓ LCD screen set-up
- ✓ RS-232, RS-485 and Ethernet ports
- ✓ Yellow flash 60/min fail-safe mode

Best for: Single intersections on private networks

CE

GB 25280

DIMENSIONS

Cabinet size on request

SPECIFICATIONS

Display form	LCD screen	Signal output	It is standardly equipped with 44 signal output channels, and...
Communication interfaces	It provides RS-232 and RS485 communication interfaces, as well...	Yellow flash frequency	The frequency of the yellow flash signal is 60 times per...
Working voltage	AC176-264V 50±2HZ	Work temperature	-40 °C--+ 70 °C
Working humidity	≤95%		

VIDEO ON REQUEST

Ask for a live video call demo before you order.

REQUEST A QUOTE

Ref JTS-CTL-A · 022 566 1135

NZ USE: Mains install by a registered electrician; NZ electrical compliance before supply.

NOT SEEING THE EXACT MODEL?

MORE SIGNAL CONTROLLERS ON REQUEST

Sizes, faces, colours, power options and mounting are customised to your site. Send a photo, drawing or the spec you use now and we will come back with a written quote and lead time.

REQUEST A QUOTE

022 566 1135 · joshtrafficsolutions.co.nz

JTS-AWL



NO CABLES · NO POWER BILLS

SOLAR AMBER FLASHING WARNING LIGHT

A self-contained amber flasher with its own solar panel and battery. Draws attention to intersections, curves, school zones, site entries and hazards, day and night. Magnetic beacons and solar road studs complete the range.

KEY FEATURES

- ✓ Amber 590 nm high-flux LEDs with sun visor
- ✓ Built-in light sensor: automatic dusk-to-dawn operation
- ✓ Solar panel + maintenance-free battery; mains/DC versions too
- ✓ Pole mount; plastic or aluminium housing
- ✓ Magnetic solar beacon: 50 h on a full charge, IP65, 5 colours
- ✓ Solar LED road studs: aluminium alloy + PC, IP65, 500 m

Best for: Councils, TTM crews, site entries, intersections, curves, school zones



CE

IP65

PRODUCT DIMENSIONS

Flasher Ø200 · Ø300 · Ø400 mm aspect (100 mm on request) · beacon 124 × 106 mm · road stud 105 × 97 × 24 mm

SPECIFICATIONS

LEDs (flasher)	90 / 144 / 198 amber, 590 nm ±3 nm
Power draw	≤3 W / ≤5 W / ≤8 W by size
Solar / battery	9 V 5 W or 18 V 8 W panel · 6 V 5 Ah or 12 V 7 Ah battery
Mains / DC	AC 220/110 V ±20% or DC 12–24 V
Visibility	100 mm ≥300 m · 200 mm ≥500 m · 300 mm ≥800 m
Beacon	ABS + PC · IP65 · 500 m · magnetic or screw mount · –20 to +60 °C
Road stud	2 V/120 mAh mono solar · 1.2 V 800 mAh NiMH · IP65 · –20 to +70 °C
Colours	Amber standard; beacon/stud red, yellow, green, blue, white
Weight	On request

PRODUCT VIDEO

Demo clips and live walk-through of this product available on request. Ask for a video call and we'll show you the unit working before you order.

REQUEST A QUOTE

Quote ref **JTS-AWL**. Tell us quantity, size, power, face/text and delivery site. Call or text 022 566 1135.

NZ USE: Pair it with the correct TCD warning sign on a public road, or use it as a hazard marker on site under your TMP.



SOLAR MAGNETIC FLASHING BEACON

- ✓ Charges by day, flashes automatically at night
- ✓ 50 h on a full charge
- ✓ Magnetic or screw mount
- ✓ Amber, red, green, blue or white

Best for: Cone tapers, barriers, hazards, site vehicles

CE IP65

DIMENSIONS 124 × 106 mm

SPECIFICATIONS

Size	124x106mm	Material	ABS+PC
Working time on full charge	50 hours	Light source	LED light
Waterproof and dust level	IP65	Visual distance	500M
Fixing method	magnetic, screw mounting	Color	Red/Yellow/Green/Blue/White

VIDEO ON REQUEST

Ask for a live video call demo before you order.

REQUEST A QUOTE

Ref JTS-BCN · 022 566 1135

NZ USE: Use amber for TTM; colours to NZGTTM.



MAGNETIC LED STROBE (12/24/230 V)

- ✓ Magnetic base for vehicles and plant
- ✓ 12, 24 or 230 V versions
- ✓ Optional ~85 dB alarm
- ✓ IP65 ABS / PC body

Best for: Utes, trailers, plant, gates

CE IP65

DIMENSIONS Ø109 × 48 mm

SPECIFICATIONS

Size	Diameter 109mm Length 48mm 109*48mm	Material	ABS+PC
Operating voltage	12/24/220/380V	Limit voltage	AC220/DC24/DC12V
Waterproof and dust level	IP65	Visual distance	500M
Volume	about 85dB	Color	Red/Yellow/Green/Blue/White

VIDEO ON REQUEST

Ask for a live video call demo before you order.

REQUEST A QUOTE

Ref JTS-STR · 022 566 1135

NZ USE: Vehicle lighting must suit NZ vehicle rules — amber for work vehicles.

JTS-PLB



PLANT / FORKLIFT LED BEACON

- ✓ 30 high-output LEDs (15 W)
- ✓ 12-30 V DC wide input
- ✓ Magnetic or bolt mount
- ✓ Red, amber or clear lens

Best for: Forklifts, loaders, yard vehicles

CE

IP65

DIMENSIONS

125 × 60 × 72 mm

SPECIFICATIONS

Size	125*60*72MM	Material	ABS
Operating voltage	DC12V-30V	Light source power	15W
Waterproof and dust level	IP65	Visual distance	500M
LED quantity	30LED	Color	Red Amber Transparent

VIDEO ON REQUEST

Ask for a live video call demo before you order.

REQUEST A QUOTE

Ref JTS-PLB · 022 566 1135

NZ USE: Site plant use.

JTS-STUD



SOLAR LED ROAD STUD

- ✓ Flashing or steady, 500 m+ visible
- ✓ Aluminium + PC, double-sided
- ✓ Charges by day, runs at night
- ✓ Red, amber, green, blue or white

Best for: Driveways, car parks, private roads, curves

CE

IP65

DIMENSIONS

105 × 97 × 24 mm

SPECIFICATIONS

Size	105*97*24MM	Material	Aluminum alloy +PC
Power supply mode	2V/120MAH monocrystalline silicon	Light source	LED light
Waterproof and dust level	IP65	Visual distance	500M
Energy storage device	Rechargeable battery 1.2V/800MAH NI-MH high temperature...	Color	Red/Yellow/Green/Blue/White

VIDEO ON REQUEST

Ask for a live video call demo before you order.

REQUEST A QUOTE

Ref JTS-STUD · 022 566 1135

NZ USE: Raised markers on public roads to the RCA's spec.



HEAVY-DUTY CAST-ALUMINIUM ROAD STUD

- ✓ Cast aluminium shell, 20-tonne load rating
- ✓ IP68 sealed
- ✓ Flashes 50 times per minute
- ✓ 40 h run time on a full charge

Best for: Roundabouts, curves, truck yards, wharves

CE IP68

DIMENSIONS	103 × 103 × 23 mm
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SPECIFICATIONS			
Size	103*103*23(MM)	Solar panel	2V 180mA
Battery	1.2V, 300mAh	Shell material	Cast aluminum
Flashing frequency	50 times per minute	Protection grade	IP68
Load-bearing capacity	20 tons	Visible distance	>500 meters

VIDEO ON REQUEST

Ask for a live video call demo before you order.

REQUEST A QUOTE

Ref JTS-STUD-H · 022 566 1135

NZ USE: Public-road markers to the RCA's spec.

NOT SEEING THE EXACT MODEL?

MORE WARNING LIGHTS ON REQUEST

Sizes, faces, colours, power options and mounting are customised to your site. Send a photo, drawing or the spec you use now and we will come back with a written quote and lead time.

REQUEST A QUOTE

022 566 1135 · joshtrafficsolutions.co.nz

JTS-SLS



SCHOOL ZONES • CROSSINGS • STOP • WRONG-WAY

SOLAR LED FLASHING SIGN, MADE TO YOUR FACE

A reflective aluminium sign with flashing LEDs and solar power built in, for a sign that can't afford to be missed. STOP, pedestrian crossing, school, wrong-way, chevron and speed-roundel faces, made to order.

KEY FEATURES

- ✓ Active flashing LEDs in the sign border/legend
- ✓ Solar panel and battery built in; no mains needed
- ✓ High-intensity prismatic / engineering-grade reflective sheeting
- ✓ Flashing or steady modes; light-sensor switching
- ✓ Fits existing poles
- ✓ Faces made to NZ TCD Rule layouts on request

Best for: Councils/RCAs, schools, private roads, developers



CE

IP65

PRODUCT DIMENSIONS

600 · 800 · 1000 mm · STOP 600 × 600 mm · pedestrian 600 × 600 / 800 × 800 mm · chevron 400 × 1200 mm · custom

SPECIFICATIONS

Supply	DC 12 V or DC 6 V (solar) · mains option
Solar panel	17 V / 3 W
Battery	12 V / 8 Ah
Autonomy	Up to 360 h without sun (model) · 3–5 cloudy days (STOP / crossing)
Visibility	> 800 m
LED colours	Amber, red or white
Materials	Aluminium plate + galvanised sheet, HIP sheeting
IP rating	IP65 (IP53+ STOP sign)
Operating temp.	–40 to +60 °C (STOP) · –30 to +60 °C (crossing)
Weight	On request

PRODUCT VIDEO

Demo clips and live walk-through of this product available on request. Ask for a video call and we'll show you the unit working before you order.

REQUEST A QUOTE

Quote ref **JTS-SLS**. Tell us quantity, size, power, face/text and delivery site. Call or text 022 566 1135.

NZ USE: We make faces to NZ TCD Rule layouts and sizes on request. On a public road, the legend must be one the TCD Rule or a gazette notice allows. Send us the sign code and we'll match it.



SOLAR LED WARNING SIGNS

- ✓ LED border flashing plus reflective face
- ✓ 17 V / 3 W panel, 12 V / 8 Ah battery
- ✓ 360 h operation in rainy weather
- ✓ Any NZ warning layout printed to order

Best for: Curves, hidden driveways, school and crossing warnings

CE IP65

DIMENSIONS 600 / 800 / 1000 mm (custom)

SPECIFICATIONS

Voltage	DC12V/DC6V	Size	600mm/800mm/1000mm / custom
Visual distance	>800m	Working time in rainy days	360 hours
Solar panel	17V/3W	Battery	12V/8AH
Waterproof class	IP65	Material	Aluminium & Galvanized sheet

VIDEO ON REQUEST

Ask for a live video call demo before you order.

REQUEST A QUOTE

Ref JTS-LED-W · 022 566 1135

NZ USE: Faces printed to NZ TCD layouts; LED signs on public roads need RCA approval.



SOLAR LED PEDESTRIAN-CROSSING WARNING SIGN

- ✓ Ultra-bright LEDs, 800 m visible at night
- ✓ Solar or mains
- ✓ Engineering-grade reflective face
- ✓ IP65, -30 to +60 °C

Best for: Crossings, schools, kura, campus roads

CE IP65

DIMENSIONS 600 × 600 / 800 × 800 mm

SPECIFICATIONS

Size	Standard size: 60x60cm / 80x80cm / customized	Material	Solar panels + LED light beads + aluminum plates +...
Working duration	3 to 5 consecutive days on cloudy days	Power supply	Solar battery or main power
Work temperature	-30 °C - +60 °C		

VIDEO ON REQUEST

Ask for a live video call demo before you order.

REQUEST A QUOTE

Ref JTS-PXW · 022 566 1135

NZ USE: Use NZ PW-series pedestrian symbols.

JTS-SPL



SOLAR LED SPEED-LIMIT / HEIGHT-LIMIT ROUNDEL

- ✓ LED ring flashes or stays on
- ✓ Speed, height or no-entry roundels
- ✓ Solar or mains
- ✓ IP65, -40 to +60 °C

Best for: Temporary limits, car parks, height-restricted entries

CE

IP65

DIMENSIONS

600 × 600 mm (custom)

SPECIFICATIONS

Size	Standard size: 60x60 cm/ customized	Material	Solar panels + LED light beads + aluminum plates +...
Protection level	IP65	Operating temperature	-40°C to 60°C
Power supply	Solar battery or main power	Flickering mode	Strobe / Constant brightness

VIDEO ON REQUEST

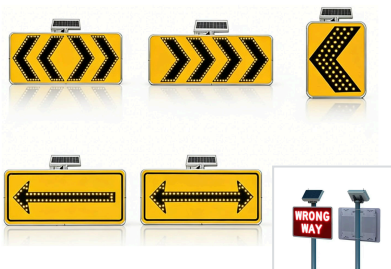
Ask for a live video call demo before you order.

REQUEST A QUOTE

Ref JTS-SPL · 022 566 1135

NZ USE: Speed-limit signs must reflect the legal limit – confirm with the RCA.

JTS-GUIDE



SOLAR LED CHEVRON / GUIDANCE SIGN

- ✓ Chevrons and arrows that light up
- ✓ Steady or flashing modes
- ✓ Solar or mains, fully waterproof
- ✓ Custom lengths and layouts

Best for: Curves, lane shifts, detours

CE

IP65

DIMENSIONS

400 × 1200 mm (custom)

SPECIFICATIONS

Size	Rectangle 40 cm x 120 cm/ customized	Material	Solar panels + lamp beads + reflective film + aluminum plate
Work mode	Constantly on / Blinking	Power supply method	Utility power / Solar power
Waterproofing	Fully waterproof		

VIDEO ON REQUEST

Ask for a live video call demo before you order.

REQUEST A QUOTE

Ref JTS-GUIDE · 022 566 1135

NZ USE: Chevron (PW-67 style) layouts to NZ spec.

JTS-SIGN



REFLECTIVE ALUMINIUM SIGNS (PRINTED TO LAYOUT)

- ✓ 1.2-3.0 mm aluminium
- ✓ Class I-IV reflective sheeting
- ✓ Screen, digital or UV print
- ✓ Any shape, any NZ layout

Best for: TTM sign sets, site signage, councils

IP65

DIMENSIONS

To NZ TCD layout sizes

SPECIFICATIONS

Thickness	1.2mm/1.5mm/2.0mm/3.0mm/custom	Color	Customized Color
Printing	Screen/Digital/UV Printing	Reflective sheet	I Grade -IV Grade
Shape	Triangle/ Rectangle /Octagon/ Square / Round	Material	Reflective sheeting + Aluminium Plate
Waterproof class	IP65		

VIDEO ON REQUEST

Ask for a live video call demo before you order.

REQUEST A QUOTE

Ref JTS-SIGN · 022 566 1135

NZ USE: Printed to NZ TCD / NZGTTM layouts.

NOT SEEING THE EXACT MODEL?

MORE TRAFFIC SIGNS ON REQUEST

Sizes, faces, colours, power options and mounting are customised to your site. Send a photo, drawing or the spec you use now and we will come back with a written quote and lead time.

REQUEST A QUOTE

022 566 1135 · joshtrafficsolutions.co.nz



BE SEEN AT NIGHT & IN THE RAIN

LED TRAFFIC BATONS & HAND-HELD SIGNALS

Tough, rechargeable LED batons and flashing hand signals that make traffic controllers, marshals and school patrols far easier to see at dusk, at night and in bad weather.

KEY FEATURES

- ✓ One-button baton: press once flash, twice steady, three times off
- ✓ PC light column with ABS grip; rechargeable
- ✓ Flashing hand signal: PE shell, 3 m drop-tested, IP65
- ✓ Rope hole and waist hook for hands-free carry
- ✓ 200 m fog penetration (hand signal)
- ✓ NZ STOP/GO face layout made to order

Best for: Traffic controllers, TTM crews, marshals, school patrols

PRODUCT DIMENSIONS

Batons 26 · 29 · 36 · 54 cm · hand-signal paddles 30 · 45 · 60 cm · compact round signal

SPECIFICATIONS	
Baton colours	Red or green
Baton run time	≈15 h (54 cm rechargeable)
Baton visibility	800-2000 m
Baton IP / temp.	IP55 · -40 to +70 °C
Hand signal power	3.7 V Li-ion rechargeable
Flash rate	40-60 flashes/min
Hand signal IP	IP65 · 3 m drop-tested
Weight	On request

PRODUCT VIDEO

Demo clips and live walk-through of this product available on request. Ask for a video call and we'll show you the unit working before you order.

REQUEST A QUOTE

Quote ref **JTS-TMO**. Tell us quantity, size, power, face/text and delivery site. Call or text 022 566 1135.

NZ USE: Adds visibility for TTM crews. Use alongside, not instead of, the STOP/GO signs your TMP and the TCD Rule require.

JTS-BAT



RECHARGEABLE LED TRAFFIC BATONS

- ✓ One button: on, flash, off
- ✓ Visible 800–2000 m
- ✓ ABS handle, PC tube; IP55
- ✓ Red, amber or blue

Best for: Spotters, controllers, night works, events

CE

IP55

DIMENSIONS

26 / 29 / 36 / 54 cm lengths

SPECIFICATIONS

Color	Red, blue, yellow or customization	Size	26cm/29cm/36cm/54cm / custom
Material	ABS handle+PC pipe	Style	Battery/Rechargeable
Visible distance	800m–2000m	Operating temperature	–40°C to 70°C
Ip rate	IP55	Light source characteristics	High-brightness LED beads, low energy consumption

VIDEO ON REQUEST

Ask for a live video call demo before you order.

REQUEST A QUOTE

Ref JTS-BAT · 022 566 1135

NZ USE: Supplements, not replaces, the required STOP/GO paddle.

JTS-SS



HANDHELD LED STOP / SLOW SIGNS

- ✓ LED-lit reflective face, visible >1000 m
- ✓ Flashes 40–60 times/min
- ✓ Rechargeable lithium battery
- ✓ IP65 aluminium sign

Best for: Traffic controllers on stop/go

CE

IP65

DIMENSIONS

300 / 450 / 600 mm faces

SPECIFICATIONS

Battery	Lithium Battery 3.7v	Flashing Frequency	Size	30*30cm / 45*45cm / 60*60cm / Custom
Visual distance	>1000m	Shape	Triangle/ Rectangle / Octagon/ Square / Round	
Material	Aluminium+ Reflective Sheeting+ LED Light	Waterproof class	IP65	
LED color	RED&BLACK&YELLOW	Flashing frequency	40–60times/min	

VIDEO ON REQUEST

Ask for a live video call demo before you order.

REQUEST A QUOTE

Ref JTS-SS · 022 566 1135

NZ USE: NZ face layouts to NZGTTM on request.

JTS-CONE



RUBBER & PE TRAFFIC CONES AND DRUMS

- ✓ Heavy rubber base resists wind and tip-over
- ✓ Reflective sleeves
- ✓ Colours to order
- ✓ Stackable for trucks and trailers

Best for: Every TTM crew and site

DIMENSIONS

500–800 mm cones · 900–1100 mm drums

SPECIFICATIONS

Height	500mm/600mm/700mm/800mm / custom	Material	rubber
Color	Red White		

VIDEO ON REQUEST

Ask for a live video call demo before you order.

REQUEST A QUOTE

Ref JTS-CONE · 022 566 1135

NZ USE: Reflective sleeves and colours to NZGTTM.

NOT SEEING THE EXACT MODEL?

MORE TMP / TTM CREW GEAR ON REQUEST

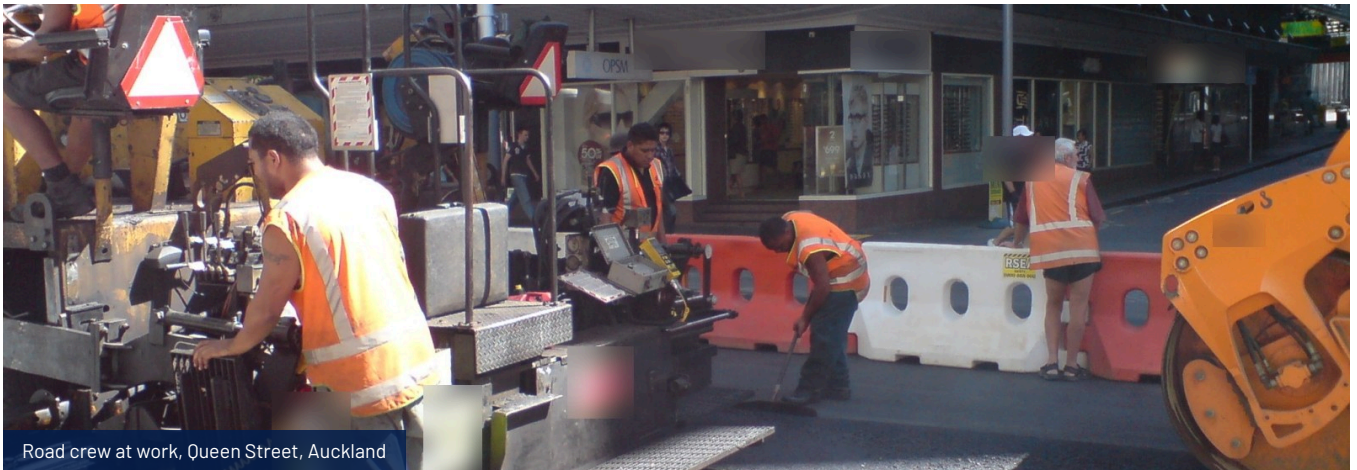
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REQUEST A QUOTE

022 566 1135 · joshtrafficsolutions.co.nz

TTM CREW KIT

FOR TRAFFIC MANAGEMENT TEAMS



One supplier for the whole crew kit: speed feedback, beacons, flashers, LED STOP/GO signals and batons, cones and signs – configured to your TMP and quoted as one package.



Portable radar speed sign



LED STOP hand signals



Solar magnetic beacon



Solar amber flasher

TTM CREW KIT – ONE REQUEST FOR QUOTE

EVERYTHING A TMP CREW CARRIES, FACTORY DIRECT

ITEM	WHAT IT DOES ON SITE	UNDER YOUR TMP
Portable solar radar speed sign (JTS-PSS)	Slows approach speeds at the work zone and temporary speed limit	Speed-management control in the NZGTTM risk assessment
LED STOP/GO hand signals & batons (JTS-TM0)	Night and low-light visibility for controllers and spotters	Supplements the required STOP/GO signs
Solar & magnetic beacons	Marks hazards, tapers, vehicles and site entries with no cabling	Hazard marking and delineation
Solar amber flashers (JTS-AWL)	Draws attention to advance warning signs and site accesses	Used with the correct TTM sign
Cones, drums & reflective signs	Delineation and sign faces printed to your layouts	Faces to TCD / NZGTTM layouts on request
Portable traffic signals (public road)	Shuttle control without a STOP/GO operator	Must be AS 4191 and on NZTA's register. Ask us about options

CUSTOMISED TO YOUR SITE

YOUR SPEC. YOUR SITE. OUR FACTORY.

Because we run the factory, customising is part of the normal order, not a special favour. Tell us the site, the road and the result you need, and we'll build to it.

WHAT WE CAN CUSTOMISE

- ◆ **Faces & text:** NZ layouts, YOUR SPEED / SLOW DOWN / THANK YOU, school and site messages, te reo Māori text on request
- ◆ **Size & housing:** panel dimensions, galvanised steel or aluminium, housing colour
- ◆ **Display:** 2 or 3 digits, LED colour, face icons, flashing strobes, brightness profile
- ◆ **Power:** solar panel and battery sized for NZ sun hours, or mains/DC
- ◆ **Settings:** speed thresholds and operating times pre-programmed before dispatch
- ◆ **Markings:** your council, school or company logo and asset numbers
- ◆ **Mounting:** post clamps, freestanding stands, cart or trailer fit-out scoped on request

HOW WE PROTECT QUALITY

- ◆ **Factory QC:** ISO 9001-certified quality system. Every finished unit is inspected before packing
- ◆ **Pre-shipment proof:** on request, inspection photos and video of your order before it leaves
- ◆ **Sample first:** no MOQ on most lines, so you can trial one unit before a fleet order
- ◆ **NZ compliance check:** before supply, we work through NZ radio-device (R-NZ) and electrical-safety requirements for radar, remote and mains products
- ◆ **Documents pack:** datasheets, factory test reports and CE documentation where held, to support your TMP or RCA submission
- ◆ **Export packing:** cartoned and protected for sea or air freight to NZ

FROM ENQUIRY TO SITE, IN FIVE STEPS

01

TELL US THE JOB

Site, road speed, power, quantity and any NZ sign code you need.

02

REQUEST A QUOTE

Written quote, drawing or spec sheet and a confirmed lead time.

03

APPROVE SAMPLE

Optional single unit or artwork proof before the full run.

04

BUILD & CHECK

Production, QC and pre-programming. Inspection photos on request.

05

DELIVER & SUPPORT

Freight to NZ, set-up help from Auckland, spares and warranty.



WATCH PRODUCT VIDEO

[joshtrafficsolutions.co.nz/
videos/factory](https://joshtrafficsolutions.co.nz/videos/factory)

1 clip · scan the code

1. How our radar speed signs are made — factory tour

WARRANTY — STRAIGHT UP

Radar speed signs: 2-year manufacturer warranty on the main unit and 1 year on the battery. Other products carry the warranty stated on your quote. Claims go through us in Auckland, so you're not chasing an overseas supplier, and we keep common spares (batteries, remotes, controllers) moving. Nothing here limits any rights you have under New Zealand law.

REQUEST FOR QUOTE

REQUEST A QUOTE. WE'LL COME BACK FAST.

Send us your product, quantity, site and any customisation. We'll reply with a written quote landed in NZ, a spec sheet and a lead time you can plan around. Every job is quoted individually to your spec and quantity. Include: product code (e.g. JTS-SID), quantity, size, power (solar/mains), face or text, delivery site and date needed.

COUNCILS & RCAS

Speed indicator signs, school-zone packages and solar active warning, with fleet quotes and pre-set thresholds.

TTM TEAMS & CONTRACTORS

Crew kits: portable radar speed signs, beacons, flashers, LED STOP/GO signals and batons, with fast repeat orders and spares.

SCHOOLS & PRIVATE SITES

Smiley feedback signs, flashing signs and site signals for grounds, villages, yards and car parks.



JOSH TRAFFIC SOLUTIONS

joshtrafficsolutions.co.nz

022 566 1135

joshtrafficsolutions.co.nz

COMPANY

Joshua Enterprises Limited
trading as Josh Traffic Solutions

ADDRESS

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Auckland 1041, New Zealand

GST

145-260-698

HOURS

Call or text, Mon-Fri

COMPLIANCE & USE STATEMENT

Josh Traffic Solutions products are designed and configured for New Zealand temporary and permanent traffic management practice under the NZ Guide to Temporary Traffic Management (NZGTTM), the Land Transport Rule: Traffic Control Devices 2004 and NZTA guidance. **Unless a product is expressly stated to be listed on an NZTA register or approved by NZTA, it is not represented as NZTA-approved.**

Whether a device may be used at a particular location is decided by the site's traffic management plan (TMP), the person conducting the business or undertaking (PCBU), and the road controlling authority (RCA), including NZTA on state highways. Signs, legends and layouts used on public roads must comply with the TCD Rule or an applicable gazette notice. Portable traffic signals for public-road shuttle control must be certified to AS 4191 and appear on NZTA's register. The site signals in this guide are for private sites only. Permanent installations may require RCA approval, an electrical installation by a registered electrician, and structural or wind design to AS/NZS 1170.2.

Factory certifications (e.g. ISO 9001, ISO 14001, CE) describe the manufacturer's systems and product conformity in the markets they relate to. Specifications are typical manufacturer data and may change. Solar run times depend on site, season, traffic volume and settings. Lead times and warranty terms are confirmed in writing on each quote. Product images are representative and may show non-NZ sign faces. NZ faces are supplied to order. Location photos: Wikimedia Commons – Panamitsu (CC BY-SA 4.0, SH59 & Harris St roadworks), Ingolfson (public domain, Queen St); number plates and shop signs blurred. Product videos are demonstration clips; units supplied to your NZ spec. © 2026 Joshua Enterprises Limited.