BarrowLIGHT V2
Portable Traffic Lights

THIS TROUBLESHOOTING GUIDE IS TO BE READ IN CONJUNCTION WITH THE MANUAL.

PLEASE READ THE MANUAL BEFORE OPERATING

Contents

Product Introduction:

BarrowLights are simple and fast setup, along with easy programming. The folding traffic light head, provides protection when folded, preventing damage during transit. With its front and rear wheels, it can be easily transported in either wheelbarrow or dolly mode. The secure system allows for safe unfolding and folding of the light-head, while the retractable carrying arms and transportation handles make it convenient to move around.

Waka Kotahi M23 F Approved. Solar Powered. Safe. Smart. Easy to use. Reliable, traffic control at your worksite has never been easier.

Always check www.rtl.co.nz for new versions of this installation manual – Search Barrow

Additional Resources:

Online Support:

Visit http://www.rtl.co.nz for the latest version of this manual.

Scan the QR Code to view our Product Tutorial & Resource Page.

Require After Sales Assistance?

Please get in touch with us via our online Book a Service Form or contact 0800 785 744.

Battery Compatibility And Life:

- 85ah AGM Battery
- Lasts For 8.5 Days @ 10-Hour Shift (85 Hours)
- Battery Alerts Are Sent to The Remote For - <24 Hrs & Automatically Switches To **Standard Mode,** <12 Hrs & <1 Hr Will Automatically Switch To **Autonomy Mode. The Lights Will Switch Off And Retain Programming For 20 Minutes. Beyond 20 Minutes Pairing Is Retained But Requires Reprogramming.**
- The Unit Draws 1 Amp And Less In Any Setup Or Light Configuration.
- Solar Charge – Indoors – 8.9vdc @ 0.4 Amps. Worst Case.

Menu Structure:

Top Menu – Startup:
- Pairing
- Parameters
- System Shutdown
- *Programme Mode* – **Appears After PTLS Are Paired**

Pairing:
- Scan PTL A?
- Scan PTL B?

Programme Mode:
- Fixed Time Mode
- **Manual Alternating Mode** *(This Is User Controlled, Manually Changing Each Unit Between Stop and Go – Like A Stop-Go Paddle)*
- Flashing Yellow Mode
- Manual Mode

Parameters:
- Language
- Remote Control Settings
  - Standby Remote Control (Standby 1 Minute) (1, 2, 5, 30 Secs)
  - Screen Backlight – Increments Of 25% (25-100%)
  - Buzzer Activated/Deactivated
  - Start Delay Without Radio – Set To 5 Mins. (1, 2, 5 10, 15 Mins)
  - Add Remote Control
- PTL Settings
  - Accelerometer Activated/Deactivated
  - Radio Activated/Deactivated
  - Int. Counter Deactivated/Activated
  - Add PTL C

Note: *Deactivating Accelerometer or Int. Counter Has No Effect on The Programme Mode, But Deactivating the Radio Eliminates the Alternating Manual Mode!*

- Information
  - Battery Charge – Scan Optical Window
  - History
    - Alarms Received – List, E.G. Remoted Radio Fault, PTL Bd PTL A Radio Lost
    - Scroll Down – Scan Light, Ok?
  - Display PTL Id – Not Active
  - **Display PTL Serial No. – Scan Infrared Signal Window (Part Of Qc)**

- Maintenance
  - **Optical Test** > Scan PTL > All LEDs Illuminate
  - **Display Version > Remote Control 17 (Part Of Qc)**
- Reset

1. **System Shutdown:**
   - PTL Standby
   - Stop PTL Ok > Scan PTL1 Ok? > Scan PTL2 Ok?>Shutdown

Nb! Operation In Manual Alt Mode > When Both Are Red, The Amber Will Rotate > When One Is Changed To Green The Amber Will Become A Solid Light And Switch Over.

Note: All Alerts Will Be Active 15 Minutes After Pairing. This Allows PTLS To Be Moved Into Position.

Troubleshooting:

No.:	Error	Cause	Solution
1.	Alert: PTL Moved Followed by PTL Ad & Bd Safety Mode On.	PTL Moved or Toppled.	End Manual Alternating Mode and Restart It.
2.	Low Battery – Safety Mode/Flashing Yellow Mode	Battery Voltage Low or Disconnected	Reconnect Or Charge Batteries. Battery Status Alert Is Sent to Remote, E.G., Battery <24hrs/Battery <12hrs/Battery <1hr
3.	PTL Bd PTL A Radio Lost	Battery Voltage Low or Disconnected	Reconnect Or Charge Batteries.
4.	PTL Ad Battery <1hr Followed by PTL Bd Safety Mode On	Battery Voltage Low or Disconnected	Reconnect Or Charge Batteries.
5.	PTL Bd PTL A Radio Lost	PTL Ad Lost Power Due to Low Voltage Or Disconnection	Reconnect Or Charge Batteries
6.	Remoted Radio Fault	Using Remote When One of The Units Has Lost Power Supply	Reconnect Or Charge
7.	System Reset	Accidental Activation.	Perform Quick Start as Per P7 Of The Manual.

Possible Fault List:

- **Power Related**
  - Remote Batteries Low (Advise Customer To Have Extra Aaa Batteries On Hand)
  - Light Battery Low
  - Light Power Cable Damaged
  - Light Led Or Internal Wiring Damaged
  - Charger Faulty
  - Solar Not Charging

- **Remote Power Loss**
  - No Effect When Used in Timer Mode
  - This Will Have an Effect in Manual Alternating Mode. The Huge Risk Here Is That the PTLS Won't Change to Safety Mode. The Green Will Not Change Until the Remote Is Restored And Lights Change Manually
  - History Of Alarms Received Is Wiped

- **Flashing Yellow Mode: Activated**
  - Battery Life <12 Hrs
  - Battery Disconnected From The PTL During Use
  - Red Lens Fault (>50% Of The Lens Is Faulty)
  - PTL Moved Or Fallen