

Harvest Portable Traffic Lights Diagnostics and Troubleshooting

Have you watched the quick setup guide or read the manual first? See www.harvest.com/htl

Possible Fault List

- Power Related
 - Controller battery low
 - Controller fuse blown
 - Light battery low
 - Light battery fuse blown (in battery box)
 - Light fuse blown (inside light)
 - High resistance at battery box connector
 - Light power cable damaged
 - Light LED or internal wiring damaged
 - Light battery chargers faulty
 - Controller power supply faulty
- No communication to one or both lights
 - Lights don't match controller kit number
 - Controller antenna not fitted
 - Controller antenna damaged or dirty
 - Controller antenna cable damaged (inside case)
 - Light antenna, antenna base or antenna cable damaged
- Signal Related
 - Signal interference from another kit
 - Signal interference from another source
 - Signal intermittently blocked by traffic
- Misc.
 - Controller front display cable damaged
 - Controller locked up

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Index	Fault	Test	Answer Yes	Answer No
A1	Fault while setting up		Go to A2	
B1	Fault while operating		Go to B2	
A2	Fault while setting up	Do both lights kit number match controller kit number	↓	Retrieve the matching set and re-setup
		Is controller antenna fitted	↓	Retrieve antenna, hopefully stowed on the back of one of the lights target boards
		Are controller antenna whip and antenna base connectors clean and undamaged	↓	Gently clean connectors using contact cleaner and dry. If damaged contact support for repair or replacement.
		Are both lights plugged in, and controller switch on	↓	Do this, press "reset" inside controller
		Is power indicator on, on the controller	↓	Go to A3
		Are both light poor signal indicators lit	Go to A5	
		Is one light poor signal indicator lit	Go to A6	
		Press "Reset" on controller and re-run diagnostic. Go to Z1 if fault continues		
A3	No Controller Power indicator	Open the controller case and press "Menu" button under the display on the ITU. Does the display light up	↓	Go to A4
		Are the connectors to the grey cable on the ITU and on the controller lid properly plugged in	↓	Plug in and cycle power switch back off then on. Re-test
		Is the cable running between the base and lid of the controller case undamaged	↓	Go to Z2
		Press the refresh button on the battery charge indicator, Is battery at least 50% charged	Go to Z1	Charge and re-test
A4	No power at controller	Press the refresh button on the battery charge indicator. Does the display light up	↓	Possible blown controller fuse. Go to Z2
		Is 4 pin power connector plugged fully into the ITU	↓	Plug in and cycle power switch off then on. Re-test
		Is wiring to 4 pin connector undamaged	Go to Z1	Go to Z2
A5	No communication with both lights	Move the controller alongside one of the lights. Are both poor signal indicators still lit	Go to A6	Poor communication to the light. Maintain line of sight between light and controller and move toward other light
A6	Single light fault checklist	Move alongside the light, is the poor signal indicator still lit?	↓	Reposition on site so there is line of site between controller and light
		Check light battery. Is it more than 50% charged	↓	Charge batteries and retry
		Unplug light power lead and check for dirt or corrosion in connectors. Plug back in, wait 20 seconds and re-start diagnostic		
B2	Fault while operating	Are both low signal lights off after resetting	↓	Intermittent signal to one light, reposition controller or light on site
		Are the controller and lights positioned so traffic cannot block the signal	↓	Reposition controller or light on site
		Select different channel, press "Reset" and re-test		
Z1	Controller locked up	Unplug the 4 pin power connector on the top of the ITU for 5 seconds and plug back in and re-run diagnostics		
Z2		Contact Harvest support on (06)370 1991		