

Model IO-Link Signal Tower
Type LR6-IL

Vendor ID	763
Vendor Name	PATLITE Corporation
Device ID	80001
Vendor Url	www.patlite.com
Device Name	LR6-IL

IO-Link Revision	1.1			
Bit rate	COM2 (38.4 kbps)			
Minimum cycle time	8 ms			
Data length	input from master	6 byte	output to master	0 byte

Parameter (Service data)

Index	Parameter	Access	Byte Length	Default Value	Remarks
2	Standard command	Wo	1		130 - Restore the factory setting
16	Vendor name	Ro	48	PATLITE Corporation	
17	Vendor text	Ro	48	www.patlite.com	
18	Product name	Ro	16	LR6-IL	
19	Product ID	Ro	16	LR6-IL	
20	Product text	Ro	48	IO-Link Signal Tower	
21	Serial Number	Ro	16	-	
22	Hardware revision	Ro	16	1.00	Hardware latest version
23	Firmware revision	Ro	16	1.00	Software latest version
24	Application text	R / W	32	***	
36	Device status	Ro	1	0	0 - Device OK
					1 - Maintenance required
					2 - Out of specification
					3 - Functional check
					4 - Failure 5 to 255
37	Detailed Device status	Ro	21	0x00 0x0000	
810	Operating Mode	R / W	1	4	4 – Simple-mode
					5 – Specific-mode
2015	LED Pattern	R / W	5	Byte 1:Red unit = 0	0 – Continuous Lightning
				Byte 2:Yellow unit = 0	1 – Blinking Slow
				Byte 3:Green unit = 0	2 – Blinking Middle
				Byte 4:Blue unit = 0	3 – Blinking Fast
				Byte 5:White unit = 0	4 – Flashing Single
					5 – Flashing Double
2016	Intermittent Buzzer Operation	R / W	1	0	0 – Off
					1 – On

Events

Code	Name	Type	Description
0x0000	No error	Notification	No error
0x5000	Hardware error in the unit	Error	Replace the unit
0x6320	Parameter error	Error	Check the data sheet and the value

Error Type

Error	Name	Description
0x8000	Device application error – no	There is no detailed information available
0x8011	Index not available	Access to a non-existent index
0x8012	Subindex not available	Access to a non-existent subindex
0x8020	Service temporarily not available	On the parameters just cannot be accessed.
0x8023	Access denied	The device does not allow this in the current state
0x8030	Parameter value out of range	Write access to a read-only parameter
0x8033	Parameter length overrun	Written parameter value is out of range
0x8034	Parameter length underrun	Written parameter length is greater than allowed
0x8035	Function not available	Written parameter length is smaller than allowed
0x8036	Function temporarily unavailable	Written command is not supported by the device
0x8040	Invalid parameter set	Written command is not supported by the device in its current state
0x8041	Inconsistent parameter set	Typed single parameter value collides with the other parameter settings
0x8082	Application not ready	At the end of the block parameter transfer inconsistencies were detected.

Process Data

Simple mode (Index 810)

	bit 7	bit 6	bit 5	bit 4	bit 3	bit 2	bit 1	bit 0
Byte 5	N/N	N/N	N/N	N/N	N/N	N/N	N/N	Buzzer On/Off
Byte 4	N/N	N/N	N/N	N/N	N/N	N/N	N/N	White unit On/Off
Byte 3	N/N	N/N	N/N	N/N	N/N	N/N	N/N	Blue unit On/Off
Byte 2	N/N	N/N	N/N	N/N	N/N	N/N	N/N	Green unit On/Off
Byte 1	N/N	N/N	N/N	N/N	N/N	N/N	N/N	Yellow unit On/Off
Byte 0	N/N	N/N	N/N	N/N	N/N	N/N	N/N	Red unit On/Off

Specific mode (Index 810)

	bit 7	bit 6	bit 5	bit 4	bit 3	bit 2	bit 1	bit 0
				intermittent buzzer operation On/Off				
Byte 5	N/N	N/N	N/N		N/N	N/N	N/N	Buzzer On/Off
Byte 4	N/N	White LED Pattern			N/N	N/N	N/N	White unit On/Off
Byte 3	N/N	Blue LED Pattern			N/N	N/N	N/N	Blue unit On/Off
Byte 2	N/N	Green LED Pattern			N/N	N/N	N/N	Green unit On/Off
Byte 1	N/N	Yellow LED Pattern			N/N	N/N	N/N	Yellow unit On/Off
Byte 0	N/N	Red LED Pattern			N/N	N/N	N/N	Red unit On/Off

*1 On = 1, Off = 0

*2 Pattern List

Value	Configuration
0	Continuous Lightning
1	Blinking Slow
2	Blinking Middle
3	Blinking Fast
4	Flashing Single
5	Flashing Double
6	Flashing Triple