

Model **IO-Link Signal Tower**
Type **LR6-IL**

Communication

Vendor ID	763d (0x2FB)			
Vendor Name	PATLITE Corporation			
Device ID	80001d (0x13881)			
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			
SIO mode	Yes			
ISDU	Yes			
Block parameterization	Yes			
Data Storage	Yes			
Data length	PDout	6 byte	PDin	0 byte

Standard Parameters

Parameter	Index	subindex	Data Type	Byte Length	Access	Default Value	Remarks
Standard command	2d (0x2)	0	UIntegerT	1	Wo		130 - Restore the factory setting
Vendor name	16d (0x10)	0	StringT	48	Ro	PATLITE Corporation	
Vendor text	17d (0x11)	0	StringT	48	Ro	www.patlite.com	
Product name	18d (0x12)	0	StringT	16	Ro	LR6-IL	
Product ID	19d (0x13)	0	StringT	16	Ro	LR6-IL	
Product Text	20d (0x14)	0	StringT	48	Ro	IO-Link Signal Tower	
Serial Number	21d (0x15)	0	StringT	16	Ro	-	
Hardware Version	22d (0x16)	0	StringT	16	Ro	1.00	Hardware latest version
Firmware Version	23d (0x17)	0	StringT	16	Ro	1.01	Software latest version
Application Specific Tag	24d (0x18)	0	StringT	32	R / W	***	
Device Status	36d (0x24)	0	UIntegerT	1	Ro	0	0 - Device OK 1 - Maintenance required 2 - Out of specification 3 - Functional check 4 - Failure 5 - 255 - Reserved
Detailed Device Status	37d (0x25)	0	OctetStringT	21	Ro	0x00 (21 bytes)	

Vendor Parameters

Parameter	Index	subindex	Data Type	Byte Length	Access	Default Value	Data Storage	Remarks
Operating Mode	810d (0x32A)	0	UIntegerT	1	R / W	4	Yes	4 - Simple-mode 5 - Specific-mode
LED Pattern	2015d (0x7DF)	0	Array	5 (1x5)	R / W	0	Yes	0 - Continuous Lighting
		1	UIntegerT	1		Red unit = 0		1 - Blinking Slow
		2	UIntegerT	1		Yellow unit = 0		2 - Blinking Middle
		3	UIntegerT	1		Green unit = 0		3 - Blinking Fast
		4	UIntegerT	1		Blue unit = 0		4 - Flashing Single
		5	UIntegerT	1		White unit = 0		5 - Flashing Double
Intermittent Buzzer Operation	2016d (0x7E0)	0	UIntegerT	1	R / W	0	Yes	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 Types

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

Revision History

Revision	Date	Details
-	05.Feb.'19	First Release
A	09.Mar.'23	Changed sheet format, updated "Firmware Version" (1.00 to 1.01), modified "PDin" (6 to 0) and "PDout" (0 to 6) in "Data length".