## SPECIFICATIONS

Product Name: USB Signal Tower / Body Unit Model: LR6-3USB $\square$-RYG / LR6-USB $\square$

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## 1. General Specifications



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2. Model
2.1. Model Number Configuration

- USB Signal Tower

- Body Unit

*K type is an international model.
2.2. Model Number List

LR6-3USBW-RYG
LR6-USBW
LR6-3USBK-RYG LR6-USBK

## 3. Function Specification

3.1 Function overview

| USB Comunication Function | A function for connecting and communicating with the host PC via USB <br> cable. <br> Use software library (DLL). | - |
| :---: | :--- | :---: |
| LED Unit Control Function | A function for the host PC to control the LED Unit via USB <br> Control Items: Light on / Light off/ Pattern on | Refer to <br> 3.2 .1 |
| Buzzer Function | A function for the host PC to sound the buzzer built into the body unit <br> via USB communication. <br> Control Items: Buzzer on / Buzzer off/ Sound Pattern | Refer to <br> 3.2 |
| Buzzer Volume Change Function | A function for changing the buzzer volume via switch on the body unit. <br> - Change Levels : 2 Levels (H:High Volume $/ L:$ Low Volume) <br> - Initial Value: H | - |


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### 3.2. Function Detail

### 3.2.1. LED Unit Control Function

|  | Light On(On) | Turns the LED Unit on, and keeps it on. |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Light Off(Off) | Turns off the LED Unit.This is the initial | ter the body un | arted. |
|  | Pattern On | Specify one of four types of LED pattern Operation of LED patterns for one cycle | minate the LED <br> wn in the follow | ing charts. |
|  | LED Pattern 1 | 0 ON  <br> $(250 \mathrm{msec})$ (250msec) | $\begin{gathered} \hline \mathrm{ON} \\ (250 \mathrm{msec}) \\ \hline \end{gathered}$ | $\begin{gathered} \text { OFF } \\ \text { (250msec) } \end{gathered}$ |
|  | LED Pattern 2 | ON (500 msec) | $\begin{gathered} \text { OFF } \\ (500 \mathrm{msse}) \end{gathered}$ |  |
| LED Unit Control | LED Pattern 3 | ON OFF <br> $(170 \mathrm{msec})$ ON <br> (80msec) <br> (80msec)   | $\begin{gathered} \text { OFF } \\ \text { (670msec) } \end{gathered}$ |  |
|  | LED Pattern 4 | $\underset{\substack{\text { ON } \\ \text { (100 msec) }}}{\substack{\text { OFF } \\ \text { (400msec) }}}$ | OFF(400msec) |  |
|  | Pattern On *When using LR6-E-Mz | Specify one of two types of LED patterns to illuminate the LED Unit. Operation of LED patterns for one cycle is shown in the following timing charts. |  |  |
|  | LED Pattern 1 | OFF 0 N  <br> (100mseo) (150msec) (350 msee) | $\begin{gathered} 0 \mathrm{~N} \\ (150 \mathrm{msec}) \\ \hline \end{gathered}$ | $\begin{gathered} \text { OFF } \\ (250 \mathrm{msec}) \end{gathered}$ |
|  | LED Pattern 2 | (100msec) <br> (400msec) | $\begin{gathered} \text { OFF } \\ (500 \mathrm{msec}) \end{gathered}$ |  |

### 3.2.2. Buzzer Function



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[Handling Precaution]

## - About handling this product

- This product (including software) is shipped only after undergoing strict quality controls and inspections. However, should you encounter any issues, please contact your PATLITE sales representative.
- This product (software is included) is for the use of general office work, home and for personal use, it has been developed, designed and manufactured for general applications, such as for industry, and it is not designed for applications which demands high safety requirements, such as equipment or systems used in connection directly, or indirectly, with human life.Understand prior to use, that no responsibility is taken at our company for damages or other disadvantages, due to customers using this product beyond the scope of its general application, or from any claims from third parties.When using this product for applications in which equipment of higher reliability than the general application demands, such as a computer system, etc., use suitable safety design countermeasures against system failure, etc.
- The suitability of this product in the system, with other machines and equipment, shall be tested and confirmed by the customer. We assume no responsibility regarding this. Design safety into the system to cope with misoperation, misuse, going offline, and other unforeseen operation of this product.
- We bear no responsibility for damages, lost opportunities, lost profits, compensation for accidents, or other costs including but not limited to personnel, construction, transportation, and shipping costs, related to using this product. We bear no responsibility for defects in other products, regardless of the other product's connection to this product (such as a communication line), or for the cost of repairing damages, losses, defects, or recovering lost data related to using the other products, including but not limited to personnel, construction, transportation, and shipping costs.
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- Note the following statements regarding the software for this product, which require prior written consent from PATLITE:
* Do not duplicate the software for this product.
* Do not alter, combine, reverse-engineer, decompile, or disassemble the software for this product.
* Do not license, rent, or resell the software for this product to a third party.
* Do not store the software of this product on a network so it can be transmitted to a third party.
* Do not remove the copyright notice or other trademark and company rights attached to the software for this product.
- Things you should always do for your safety
- Avoid spilling liquids (such as water or chemicals) into this product. Avoid dropping foreign metallic objects (such as copper wire) into this product. Failure to follow these instructions could result in electric shock or equipment damage.
- Do not drop or hit this product. Failure to follow these instructions could result in electric shock or equipment damage.
- Do not apply too much force to switches and buttons on this product. Failure to follow this instruction could result in equipment damage.
- Installation
- Turn off the power when wiring, inspecting, or repairing this product. Failure to follow this instruction could result in equipment damage.
- Do not install in locations near fire, or environments with high temperature and humidity. Do not install this product where corrosive or flammable gas is present.
- Do not install on an unstable surface. Failure to follow these instructions could result in injury or equipment damage.
- This product is rated for indoor use only. Please install and use this product indoors only.
- Avoid the following locations for installation of this product.
* Places exposed to direct sunlight.
* Places near fire or environments with high temperatures and humidity.
* Environments where temperature changes are severe, and where there is condensation.
* Environments with poor breathability and ventilation.
* Places where external vibrations are directly transmitted to this product.
* Environments where corrosive gas is present.
* Locations exposed to salty sea air.
* Locations near strong magnetic fields.
* Environments where there is dust, iron powder, and so on.
* Environments where chemicals and oil mist are present.
- About maintenance
- Do not clean this product with volatile chemicals such as benzine or thinners, or with chemical wiping cloths as it could damage the product. - Please clean this product with a soft, dry cloth
- If the dry cloth is unable to clean off any dirt and grime, wipe the product firmly with a slightly water-moistened cloth.


| LED unit Qty | L [mm] |
| :---: | :---: |
| 0 | 79 |
| 1 | 119 |
| 2 | 159 |
| 3 | 199 |
| 4 | 239 |
| 5 | 279 |

fig. 4 Removed

[Note]
$\qquad$
Type-B)

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