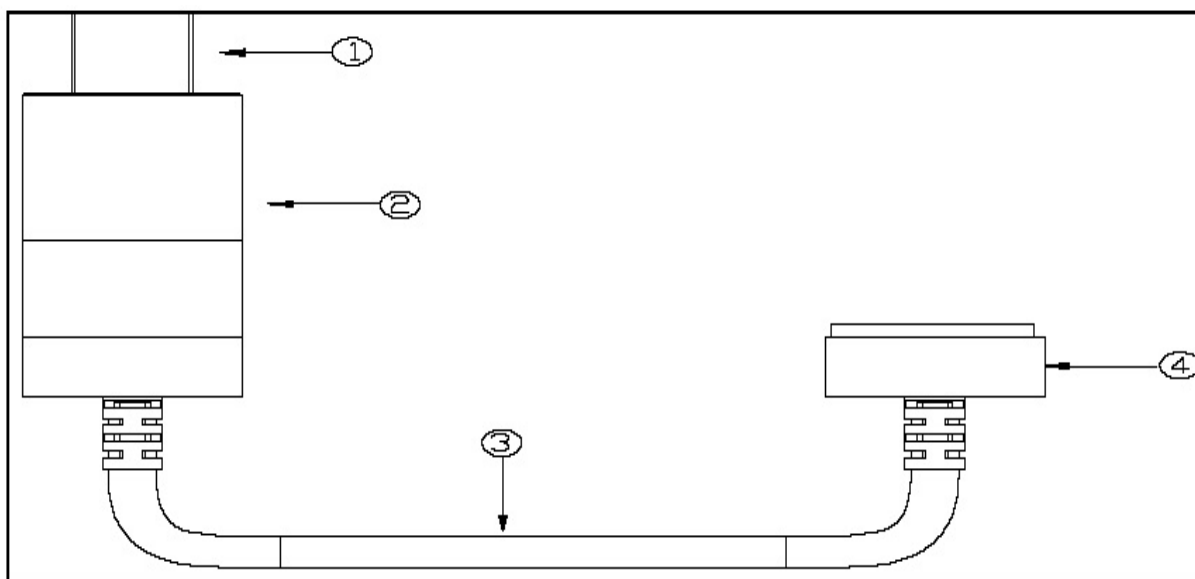


● Major functions:

- Imitate the flowing of flash current, making current flow visible, charging for external devices
- Data transmission for the PC and USB equipment

● Features:

- Driver is not needed when connecting with PC equipment.
- EL cold light bioluminescence technique
- Intelligent AD current detection
- Intelligent charge, full charge indication
- Intelligent management of sleep function(After connecting 30 seconds, EL light will sleep automatically if charging equipment is not detected)
- Intelligent management of wake-up function(After detecting the charging equipment, the EL light will be on again in 2 seconds)

● Picture display:

Number	function
1	USB A male plug to connect the adaptor, PC equipment
2	Body part (with Circuit Control PCBA)
3	EL light cable after connecting, it will light itself
4	Plug connecting with external charging device

● Electronic Parameters

● EL Technique Introduction :

Electroluminescence (EL) is the result of radiative recombination of electrons and holes in a material, usually a semiconductor. The excited electrons release their energy as photons - light. Prior to recombination, electrons and holes may be separated either by doping the material to form a p-n junction (in semiconductor electroluminescent devices such as LEDs), or through excitation by impact of high-energy electrons accelerated by a strong electric field (as with the phosphors in electroluminescent displays).

● EL Technical Parameters:

- ◇ Star voltage:60-110V/AC
- ◇ Start current:0.14mA/cm² max 100V 400Hz
- ◇ Length of light wave:50cd/ cm²
- ◇ Lifespan :22000Hrs

● Working frequency:180~300HZ

● Working voltage:IN=5.05V/500~2000mA OUT= 4.95

v/500-2000mA

- Working current:
 - ◇ Sleeping current:200~300uA
 - ◇ Working current:100~125mA
 - ◇ Charging current : Change according to the external connecting devices
- Product Size:45*22*10.2mm
- Length of visible light cable:80±1cm

● Operation Manual:

- Connecting devices: connect the visible light cable with PC equipment or power adaptor whose technical parameter is the same as the above mentioned; then, the EL light will be lightened and flow towards one direction.
- EL light flow frequency and the power indication relationship (only for reference)

EL frequency	Battery capacity	Specification
1 HZ	85%	There is a CPU to detect the battery capacity when charging rightly. It's 85% capacity if EL light frequency is 1 HZ; then it will go out automatically after 60~80 minutes

1.5 HZ	70%	It's 70% battery capacity when EL light frequency is 1.5HZ
2.5 HZ	50%	It's 50% battery capacity when EL light frequency is 2.5HZ
3.5 HZ	30%	It's 30% battery capacity when EL light frequency is 3.5HZ
4.5 HZ	15%	It's 15% battery capacity when EL light frequency is 4.5HZ

● **Application notice:**

- Must use the right Power Adaptor as mentioned as above
- Don't take it apart unless the professional person(there is bootstrap high voltage inside)
- Don't place the EL cable twisted lest to destroy the EL light part
- Please connect device horizontally avoid to destroy the plug part

● **Solutions for some failure of the EL visible cable**

Failure item	Causation	Solution
After connecting, the	Connect device wrong	Correct the connecting

EL light NOT light	Use the wrong power adaptor	Change to the right adaptor
	PC device USB port destroyed	Inspect the USB port
	Product problem	Return to repair or change new one
After connecting, the EL light go out automatically	The charging device connect wrong	Check the connect
	The charging device destroyed	Repair the device
The cable CANN'T transmit data	Device connect wrong	Correct the connecting
	PC device USB port destroyed	Inspect the USB port
	Device not support data transmission	Choose right terminal device