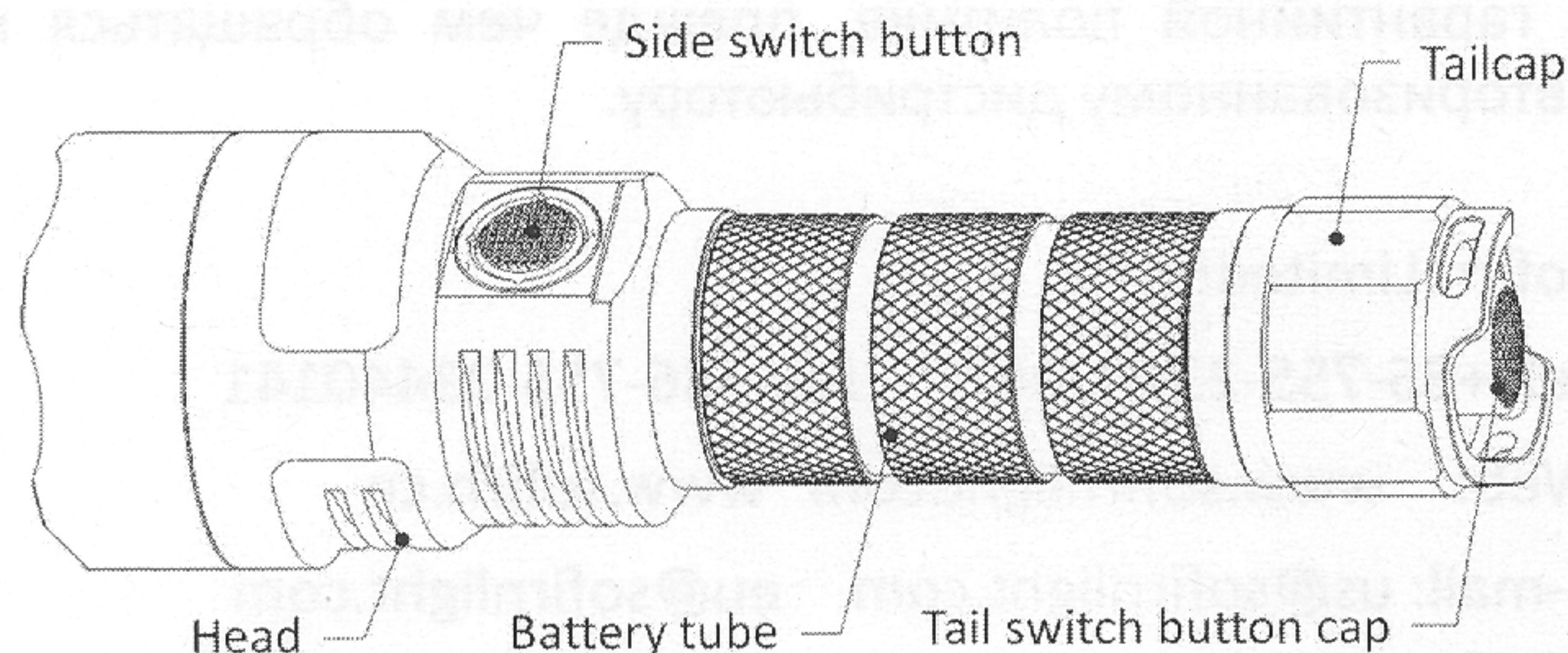


# Sofirn C8G Manual



Max. output: 2000 Lumens

Sofirn C8G is a powerful, versatile flashlight designed for home, EDC or outdoor activities like camping, hiking, fishing or hunting. It features two mode groups: Group 1 with 5 modes; Group 2 with ramping, hidden ECO, Turbo, Strobe, Beacon and SOS.

## ANSI/NEMA FL1 Chart

Light Group	Turbo	High	Medium	Low	Eco
Group 1	2000 lm	1000 lm	300 lm	75 lm	1 lm
Group 2	Ramping: from 10 lm to 2.000 lm				
Running time	6 min (Turbo) + 1h 40 min (High)	4 h 50 min	6 h 30 min	16 h 35 min	60 h
Beam Distance	565 m	354 m	200 m	102 m	23 m
Peak Intensity	80000 cd	31250 cd	10000 cd	2625 cd	133 cd
Impact Resistance	1 meter / 3.28 feet				
Water Resistance	IPX8 (2 meters / 6.56 ft depth)				

Notice: The above mentioned parameters are based on tests according to international flashlight testing standards (ANSI/NEMA FL1) using one 4000 mAh 21700 Li-ion battery in our laboratory. Results may vary with different battery or under different environmental conditions.

### Specifications:

- ❖ CREE XHP35 HI LED
- ❖ Working Voltage: 2.8V - 4.2V
- ❖ Battery Options: One 21700 Li-ion battery or one 18650 Li-ion battery
- ❖ Dimension: 150mm (length) × 44.6mm (head diameter)

- ❖ Weight: 163±2 grams (without battery)
- ❖ Flashlight body: Aerospace grade 6061 grade aluminum alloy, CNC manufactured to hard-anodized anti-abrasive finish to get solid built body, anti-crash geometry and better heat exchange.
- ❖ Toughened mineral glass lens
- ❖ IPX8 Waterproof (submersion up to a maximum depth of 2m underwater for up to 30 minutes)
- ❖ Reverse polarity protection from improper battery installation
- ❖ Advanced Temperature Regulation (ATR) technology: ATR will adjust the brightness level automatically when the driver temperature reaches 50°C (122 °F) to prevent overheating

## Power Indicator:

The LED indicator shows power status for 5 seconds when turns on. Green if power is good enough, red if short of power, flashing red if running out of power. The flashlight turns off automatically if the voltage is lower than 2.7 Volt, please recharge battery or insert a new battery.

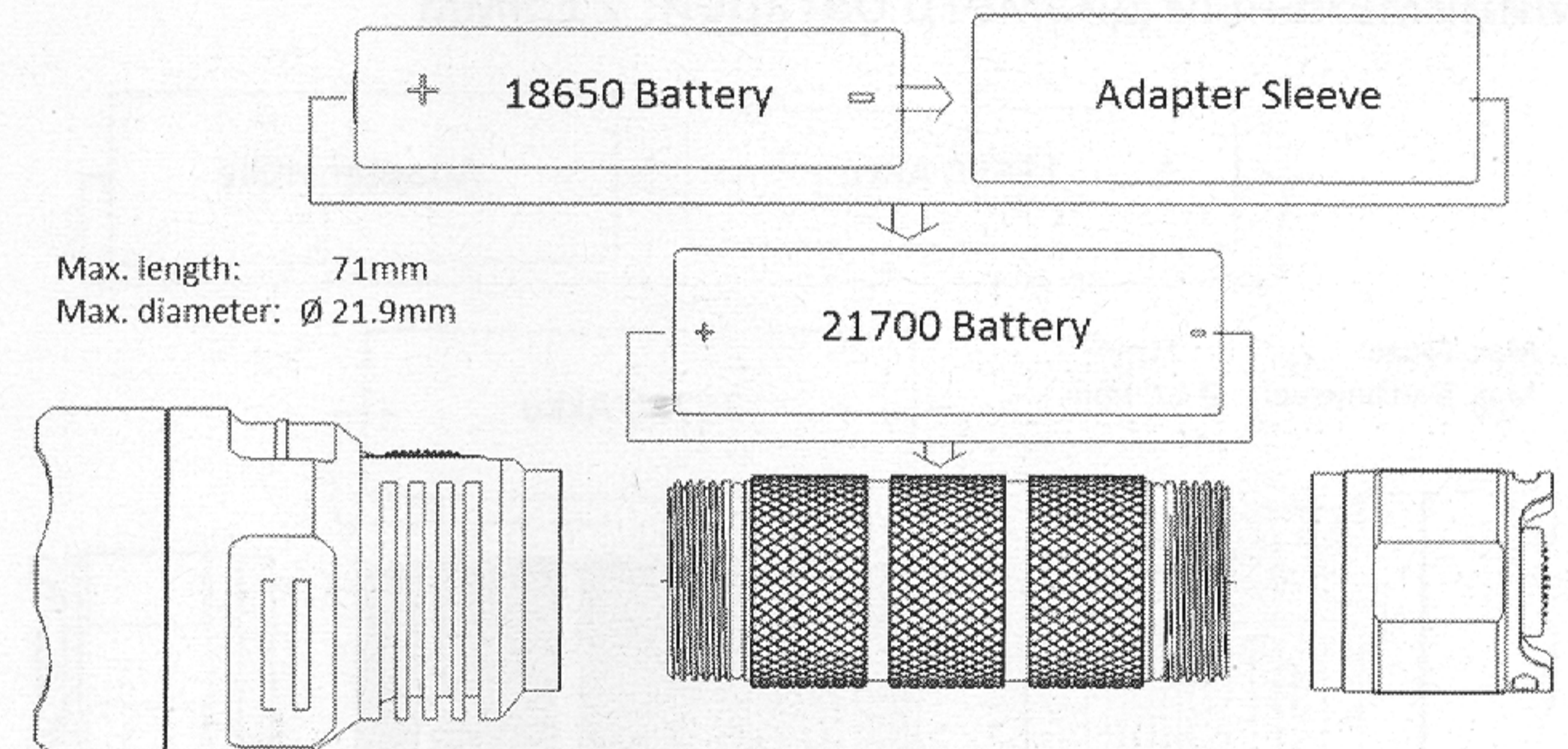
## Caution:

- ❖ "Strobe" mode may cause seizure in persons with photosensitive epilepsy.
- ❖ Operating for a long time in "High" or "Turbo" mode will warm flashlight up. This is normal.
- ❖ Do not stare directly into beam or point it directly into anyone's face.

## Battery Specifications:

Battery Type	Dimension & Quantity	Nominal Voltage	Compatible
Rechargeable Li-ion battery	21700 x 1 (unprotected)	3.7 V	Yes (Recommended)
Rechargeable Li-ion battery	18650 x 1 (protected/unprotected)	3.7 V	Yes

Battery Installation: Unscrew the tailcap to insert one 21700 battery or 18650 battery (with adapter sleeve) with the anode side (+) towards the head and then screw tailcap back on. Both **unprotected** or **protected** button top 18650 batteries are supported, only unprotected 21700 batteries are supported.



## Operation Instructions:

The tail switch is the tactical switch and the side switch is the functional switch.

## ON/OFF

Tap the tail switch to momentarily turn on the light; release it and the light will go out. Fully press the tail switch to constantly turn on the light; press once again to turn off the light.

## Output Selection

- ❖ Group 1: With the light switched on, single click the side switch to cycle through Low→Med→High. A fast double-click activates Turbo mode. As soon as the temperature on the driver reaches 50°C, it adjust brightness automatically.
- ❖ Group 2: With the light switched on, press and hold the side switch to ramp up and down. The range is 10LM – 2000LM, it blinks when reaching maximum or minimum brightness. Ramping changes direction when the button is pressed again within 1.5 seconds, same direction when ramping again after 1.5 seconds. A fast double-click directly ramps up to Turbo mode, another fast double-click directly ramps down to Eco mode. When in Turbo mode, as soon as the temperature on the driver reaches 50°C, it adjust brightness automatically.
- ❖ With the light switched on, 3 fast clicks activate Strobe mode, press and hold to cycle through Strobe-Beacon-SOS, single click goes back to normal brightness.
- ❖ With the light switched on, 4 fast clicks change between Group 1 and Group 2.
- ❖ With the light switched off, press and hold side switch and click tail switch to activate Eco mode.
- ❖ Mode memory: Brightness levels will be maintained, it turns on with the remembered mode.

## Advanced Temperature Regulation (ATR) technology:

If the driver's temperature reaches 50°C (122 °F), the flashlight will automatically throttle down to lower mode to avoid overheating.

## Troubleshooting and Maintenance:

- ❖ Disassembling the sealed head can damage flashlight and voids warranty.
- ❖ Sofirn, Ltd. recommends using high-quality brand batteries. Damage by battery leakage voids warranty.
- ❖ Remove battery if the flashlight will not be used for an extended period of time.
- ❖ To prevent accidental activation during storage or transportation, unscrew the head by half a turn or remove battery.
- ❖ Every 6 months threads should be wiped with a clean cloth followed by a thin layer of silicone grease.
- ❖ To maintain a proper level of waterproofness, replace worn-out o-rings with an approved spare (2 pieces are shipped with initial order).
- ❖ Troubleshooting: Cleaning battery contacts regularly as dirty contacts may impair the performance of the flashlight. If you experience problems (flicker, shine intermittently or failure turn on) the following root causes and solutions should be tried:

Reason A: The battery needs replacement (Battery voltage is below 2.8V).

Solution: Replace battery with an approved type of fully charged battery.

Reason B: Threads, PCB board contact or other contacts are dirty.

Solutions: Please clean the contact points with a cotton swab soaked in rubbing alcohol.

If the above methods do not work please refer to the warranty policy before contacting your authorized distributor.

Sofirn Limited:

Tel: +86-755-23440047 Fax: +86-755-23440141

Web: [www.sofirnligh.com](http://www.sofirnligh.com) [www.sofirn.cn](http://www.sofirn.cn)

E-mail: [us@sofirnligh.com](mailto:us@sofirnligh.com) [eu@sofirnligh.com](mailto:eu@sofirnligh.com)  
[wholesale@sofirn.cn](mailto:wholesale@sofirn.cn)

Please contact us if you have any questions.

If your product is defective please contact us for replacement within warranty period.

Manufacturer: Shenzhenshi Jinba Technology Co.,Ltd

Address: 1/F to 9/F, 1st Building, NO.110 Tenglong Industrial Center, Guanlan Street, Longhua New District, Shenzhen 518000, China