



# STAR Technology TLL491171D Keyboard User Manual

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## STAR Technology TLL491171D Keyboard



## Mechanical behavior

1. Character key pulling force:  $\geq 0.8\text{kg}$
2. Resilience of character keys:  $50 \pm 7\text{gf}$

3. **Front travel of keys:** 2.0mm±0.5mm
4. **Total travel of keys:** 3.5mm±0.3mm
5. **Working method:** RUBBER DOME
6. **Mechanical working life:** more than 10 million times

## **DONGLE**

- **Size:** 18.6\*14.2\*6.1mm
- **Weight:** 20g

## **Electrical Spec**

1. **USB Interface:** Compatible with USB 1.1/2.0
2. 34 channel frequency hopping work, strong anti-interference ability
3. **Effective working distance:** 6-10 meters
4. **Wireless Frequency:** 2.4GHz (2.402 – 2.480GHz)
5. **Light Holes:** Three NUM CAP SCRs

## **Power Requirements**

1. **Working voltage:** DC+1.1V to 1.6V
2. **Working current:** When DC+1.5V, ≤6mA±1.5
3. **Electrical working life:** > 1 year
4. **Loss power:** <7mW
5. **Sleeping current:** When put and stopped: ≤3mA

## **Working environment and temperature**

### **Ambient temperature**

- **A.** During operation: 5°C 50°C
- **B.** During storage: -15°C 65°C

### **Relative humidity**

- **A.** During operation: 10% 85% RH 25°C
- **B.** Storage: 5% 95% RH 25°C

## **Product Specifications**

1. **Specifications:** (L)447.4mm x (W) 162.6mm x (H)24.5 mm
2. **Number of keys:** 104keys
3. **Language:** US Single
4. **weight:** about 440g (without battery)

## The main material performance parameters of the keyboard:

- **A**, keycap: silk screen
- **B**. Main performance parameters of conductive membrane switch:
  - **Maximum allowable current:** 30VDC, 33 mA 10VDC, 100mA
  - **Contact impedance:** silver paste loop impedance is less than 1000Ω
  - **Dielectric strength:** 10 MΩ or more at MAX.50V/DC
  - **Button operation pressure:** 50-350g/cm<sup>2</sup>
  - **Working environment temperature:** -40-55°C

## Product Features

1. Elegant shape, stylish keycap appearance design, clear handwriting printing
2. Comfortable and soft to the touch
3. High quality membrane keys.
4. Red LED light indicates low voltage

## Product Compatibility:

1. Support WINDOWS/95, 98, ME, NT, XP, Windows VISTA / 7/ 8/10 and other operations system.
2. Compatible with IBM PC. Supports multiple language versions.

## FCC

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. this device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the device and receiver.
- Connect the device into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

## Documents / Resources

