

# TT19 配置工具使用说明

1. 请使用 USB Type-C 线连接机器和电脑后，此时机器 2 个 LED 会闪烁，打开配置软件

The screenshot shows the initial configuration tool interface. At the top, there are five buttons: '读取' (Read), '保存' (Save), '固件升级' (Firmware Upgrade), '关于' (About), and '退出' (Exit). Below these are several configuration sections:

- 常规** (General): Device ID and Device Time fields.
- 网络设置** (Network Settings): APN, APN Type, 启动 DNS (checkbox), 帐号 (Account), Auth Type, DNS1, and DNS2 fields.
- 状态设置** (Status Settings): Device State (dropdown), 数据上传间隔/存储间隔 (Data upload interval/storage interval) set to 5 minutes, 按键关机 (Power off by button) with '启用' (Enabled) selected, and 飞行模式 (Flight mode) checkbox.
- 温度单位设置** (Temperature Unit Settings): Temperature unit set to °C.
- GPS设置** (GPS Settings): GPS start time set to '启用' (Enabled) with a 60-second delay.
- 内置温度&湿度报警设置** (Built-in Temperature & Humidity Alarm Settings): High and low temperature and humidity alarm thresholds.
- 外置温度&湿度报警设置** (External Temperature & Humidity Alarm Settings): High and low temperature and humidity alarm thresholds.

2. 待 2 个 LED 变为常亮后，点击“读取”可读取机器界面参数配置

注意：如果提示未知设备，请重新插拔 USB 线并确认电脑生成新磁盘后再点“读取”

This screenshot shows the configuration tool after the '读取' (Read) button has been clicked. The '读取' button is highlighted with a red box. The interface now displays the following information:

- Top right: CCID: 898604D6102282601141, IMEI: 867284060700210, and '拷贝' (Copy) buttons.
- 常规** (General): Device ID: 190023100000001, Device Time: 2023/08/24 16:53:11.
- 网络设置** (Network Settings): APN Type: IP, Auth Type: NONE, DNS1: 0.0.0.0, DNS2: 0.0.0.0.
- 状态设置** (Status Settings): Device State: Turn off, 数据上传间隔/存储间隔: 60 minutes, 按键关机: '启用' (Enabled).
- 连接服务器设置** (Connect Server Settings): 服务器地址: g.cloud.tzonedigital.cn, 端口: 18801, TCP/UDP: TCP.
- GPS设置** (GPS Settings): GPS start time: '启用' (Enabled) with a 90-second delay.
- 内置温度&湿度报警设置** (Built-in Temperature & Humidity Alarm Settings): High temperature alarm: 100 °C, Low temperature alarm: -40 °C, High humidity alarm: 100 %, Low humidity alarm: 0 %.
- 硬件信息** (Hardware Information): TT19\_Li\_A7670\_MuL\_TCP\_Standard\_V1.01.

3. 修改参数后，点击“保存”可保存机器界面参数配置：

The screenshot shows a configuration interface for a device. At the top, there are navigation buttons: '读取' (Read), '保存' (Save), '固件升级' (Firmware Upgrade), '关于' (About), and '退出' (Exit). The '保存' button is highlighted with a red box. To the right, there are fields for 'CCID: 898604D6102282601141' and 'IMEI: 867284060700210', each with a '拷贝' (Copy) button. The main configuration area is divided into several sections: '设备状态' (Device Status) with a 'Turn on' dropdown and a '飞行模式' (Flight Mode) checkbox; '数据上传间隔/存储间隔' (Data Upload/Storage Interval) set to 90 minutes; '按键关机' (Button Power Off) with '启用' (Enable) selected; '温度单位设置' (Temperature Unit Setting) with '°C' selected; '连接服务器设置' (Connect Server Setting) with 'g.cloud.tzonedigital.cn' as the server address and '18801' as the port; 'GPS设置' (GPS Setting) with 'GPS开启时间' (GPS Start Time) set to 180 seconds; '内置温度&湿度报警设置' (Built-in Temperature & Humidity Alarm Setting) with high/low temperature and humidity thresholds; '光感报警设置' (Light Sensing Alarm Setting) with high/low light intensity thresholds; '震动报警设置' (Vibration Alarm Setting) with a vibration threshold of 0.05g; and '内置校准设置' (Built-in Calibration Setting) with temperature and humidity calibration values. At the bottom, the hardware information is listed as 'TT19\_Li\_A7670\_Mul\_TCP\_Standard\_V1.01'.

4. 参数配置说明：

(1) . 常规（只可读取不可修改）：

**设备 ID：**设备唯一 IMEI 号码

**设备时间：**当前电脑系统时间

(2) 网络设置：

**APN/用户名/密码/APN Type/Auth Type：**

如 SIM 卡有指定的 APN/用户名/密码/APN Type/Auth Type，可直接填写，如未指定，则不需要填写

**DNS：**域名服务器，如未指定则不需要填写

(3) 状态设置

**设备状态：**可设置 ON/OFF

**飞行模式：**必须当设备状态为 ON 时，可设置飞行模式及进出飞行模式时间

**数据上传间隔/存储间隔：**设置范围为 5~1440 分钟，默认为 60 分钟

**按键关机：**启动/禁用

(4) 温度单位设置

**温度单位：**可选择 °C/°F，默认为 °C

**(5) 连接服务器设置:**

**服务器地址:** 数据接收 IP/域名地址

**端口:** 数据接收端口, 设置范围为 1~65535

**TCP/UDP:** 可选择数据传输方式为 TCP 或 UDP

**(6) GPS 设置**

**GPS 开启时间:** 可设置一次发送时 GPS 的开启时间, 时间范围为 60~300 秒, 默认为 90 秒; 需要根据实际场合的信号情况选择合适值, 否则值太小可能收不到 GPS, 值太大机器功耗升高;

如不需要 GPS 功能取消勾选即可;

**(7) 内置温度&湿度报警设置:**

**高温度和低温度阈值:** 设置范围为-200~1400℃, 高温默认 100℃, 低温默认-40℃, 精确到 0.1℃

**高湿度和低湿度阈值:** 设置范围为 0~100%, 高湿默认 100%, 低湿默认 0%, 精确到 0.1%

**外置温度&湿度报警设置:**

**高温度和低温度阈值:** 设置范围为-200~1400℃, 高温默认 100℃, 低温默认-40℃, 精确到 0.1℃

**高湿度和低湿度阈值:** 设置范围为 0~100%, 高湿默认 100%, 低湿默认 0, 精确到 0.1%

**注:** 仅带外置版本支持, 外置单温的只有温度设置

**(8) 光感报警设置:**

**光感高低门限:** 设置范围为 0~64000lux, 光感高阈值默认 64000lux, 光感低阈值默认 0lux

**(9) 震动报警设置:**

**震动门限:** 设置范围为 0~16g, 默认为 0g, 可精确到 mg

**(10) 内置校准设备:**

**温度:** 温度校准, 设置范围为-5~5℃, 精确到 0.1℃

**湿度:** 湿度校准, 设置范围为-10~10%; 精确到 0.1%

**外置校准设备:**

**温度:** 温度校准, 设置范围为-5~5℃, 精确到 0.1℃

**湿度:** 湿度校准, 设置范围为-10~10%; 精确到 0.1%

**注:** 仅带外置版本支持, 外置单温的只有温度设置

**(11) 其他:**

**清除 Flash 数据:** 点击后清除所有 Flash 数据

**恢复初始化:** 点击后恢复默认出厂值