

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):** Fields for '设备ID' (Device ID) and '设备时间' (Device Time).
- 网络设置 (Network Settings):** Fields for 'APN', 'APN Type', '启动 DNS' (Start DNS), '帐号' (Account), 'Auth Type', 'DNS1', and 'DNS2'.
- 状态设置 (Status Settings):** Fields for '设备状态' (Device Status), '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' (Enable) selected, and '飞行模式' (Flight Mode) with a checkbox.
- 温度单位设置 (Temperature Unit Settings):** Radio buttons for '°C' and '°F'.
- GPS设置 (GPS Settings):** 'GPS开启时间' (GPS Start Time) with a checkbox and a time field set to 60 seconds.
- 内置温度&湿度报警设置 (Built-in Temperature & Humidity Alarm Settings):** Fields for '高温报警值' (High Temp Alarm) and '低温报警值' (Low Temp Alarm) in both °C and %.
- 外置温度&湿度报警设置 (External Temperature & Humidity Alarm Settings):** Similar fields for external sensors.

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' and 'IMEI: 867284060700210' with '拷贝' (Copy) buttons.
- General: '设备ID' (Device ID) is populated with '190023100000001' and '设备时间' (Device Time) is '2023/08/24 16:53:11'.
- Network Settings: 'APN Type' is 'IP', 'Auth Type' is 'NONE', and 'DNS1'/'DNS2' are '0.0.0.0'.
- Status Settings: '设备状态' (Device Status) is 'Turn off', '数据上传间隔/存储间隔' (Data Upload Interval/Storage Interval) is '60' minutes, and '飞行模式' (Flight Mode) is disabled.
- Temperature Unit Settings: '°C' is selected.
- Connection Server Settings: '服务器地址' (Server Address) is 'g.cloud.tzonedigital.cn', '端口' (Port) is '18801', and 'TCP/UDP' is 'TCP'.
- GPS Settings: 'GPS开启时间' (GPS Start Time) is checked and set to '90' seconds.
- Built-in Temperature & Humidity Alarm Settings: '高温报警值' (High Temp Alarm) is '100' °C, '低温报警值' (Low Temp Alarm) is '-40' °C, '高温报警值' (High Humidity Alarm) is '100' %, and '低温报警值' (Low Humidity Alarm) is '0' %.
- 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 five 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. Below these are several configuration 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