AOVX AX300 Quick Start

Assets Tracker

V2.2

Contents

History

Revision	Date	Author	Description
V1.0	2021/11/119	YUKI	Initial
V1.1	2022/01/10	YUKI	Upgrade Platform
V1.2	2022/01/25	YUKI	Upgrade LED indications
V2.0	2022/04/01	YUKI	Upgrade Layout
V2.1	2022/04/06	YUKI	Upgrade config tool
V2.2	**2022/09/01**	**YUKI**	**Upgrade safe information**

1 Introduction

1.1 Device overview

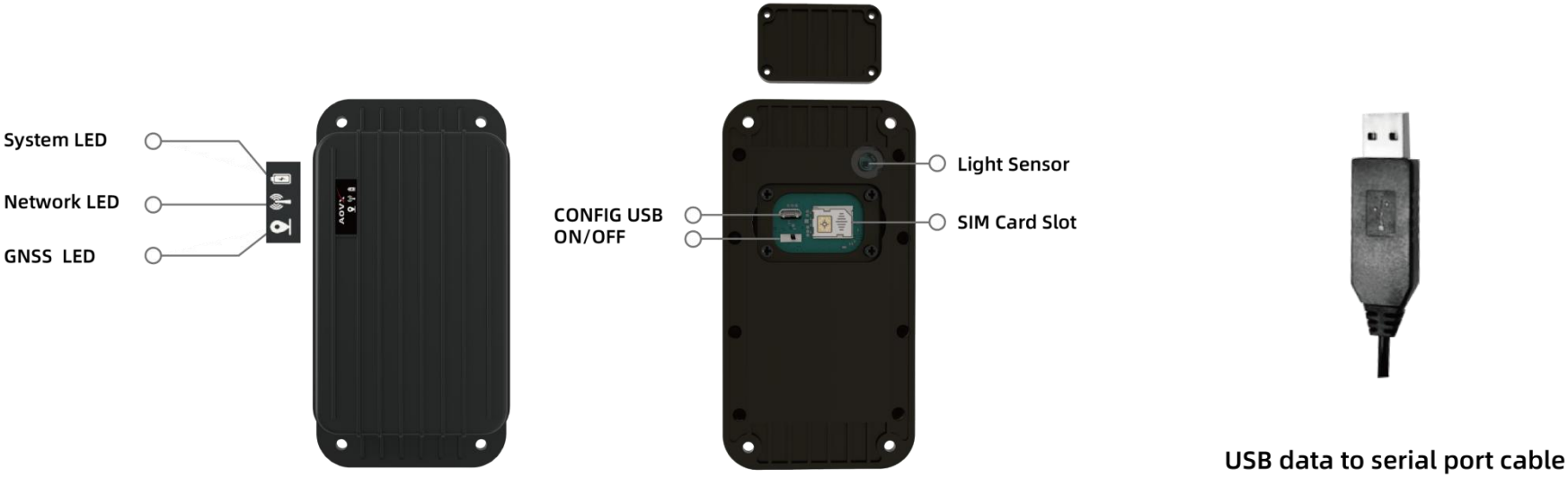


Figure_1 Overview of AX300

NOTE: Please use the USB cable provided by AOVX.
Support AM300, AL300 and AG300 series.

2 Set up your device

2.1 How to insert SIM card

1 Unscrew the screws and remove the **cover**;

2 Then insert the **Nano SIM card**;

3 Turn the internal switch to **ON.** Wait 2 minutes then check the LED lights are in normal state.See **LED indicators**.

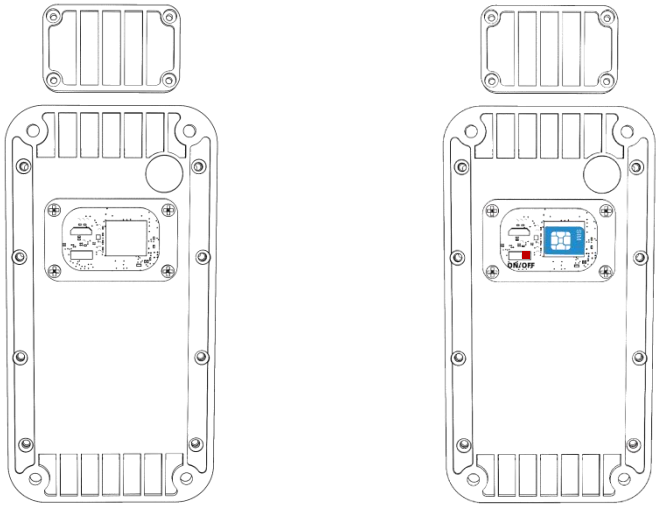


Figure_2 Remove the cover and insert SIM card

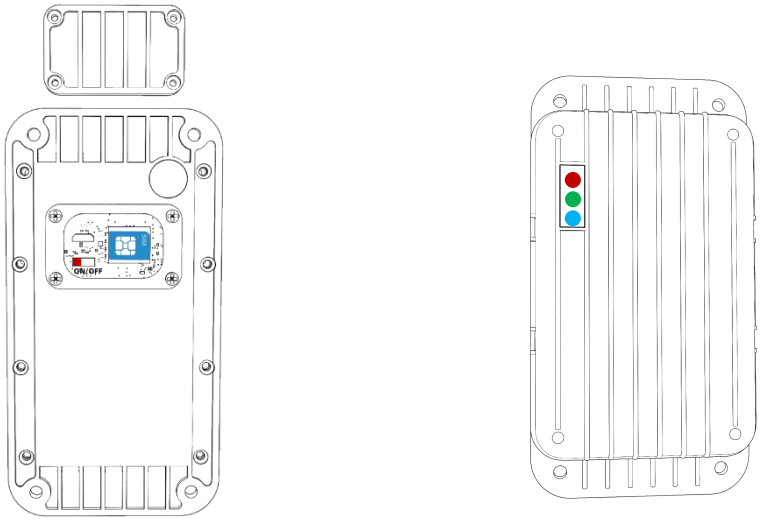
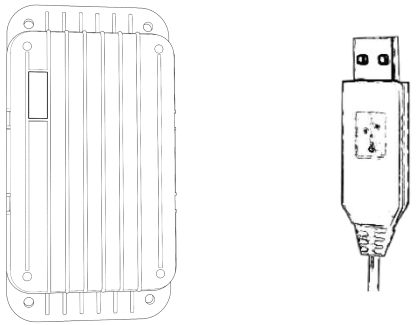


Figure_3 Turn the switch and check the LED indicators

2.2 How to connect to computer

1 Make sure the device is powered on and check the LED lights are in normal state.See **LED indicators**.

2 Then connect the device to computer via USB data to serial port cable.



AX300 COM1

Figure_4 Connect device via cable

3 After installation,go to **Device Manager** and check for the "**Prolific USB-to-Serial Com Port**" device and the **COM port** number assigned by Windows.

4 You are now ready to use the device on your computer.

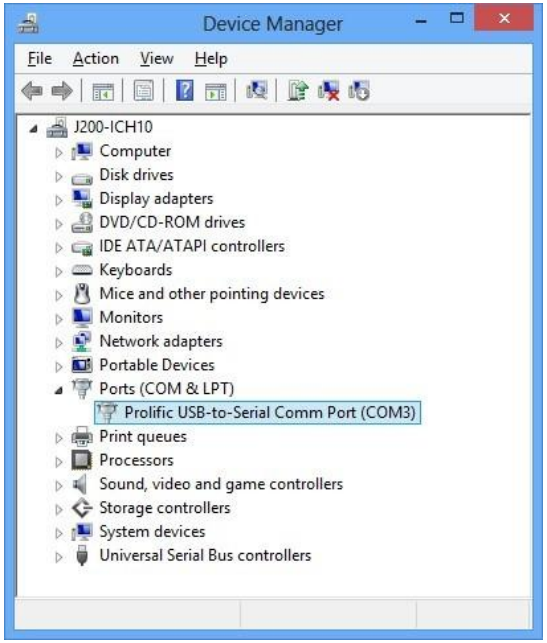


Figure_5 Check COM port

2.3 How to install USB driver

1 Please download the USB-to-Serial cable driver **here**.

2 Install the driver according to the prompt on the screen.

2.4 Local configuration

All devices will have default factory settings. These settings should be changed according to the user's needs.If you need to change the parameters, please configure them through the latest **configuration tool**.

1 Configuration process begins by connected device to computer via cable.

Open the **configuration tool**; Select the corresponding COM port; **DeviceInfo** is in the lower left corner of the tool, it shows the **Type**, **IMEI**,**ICCID** and **Version** of the device.Main buttons offer following functionality:

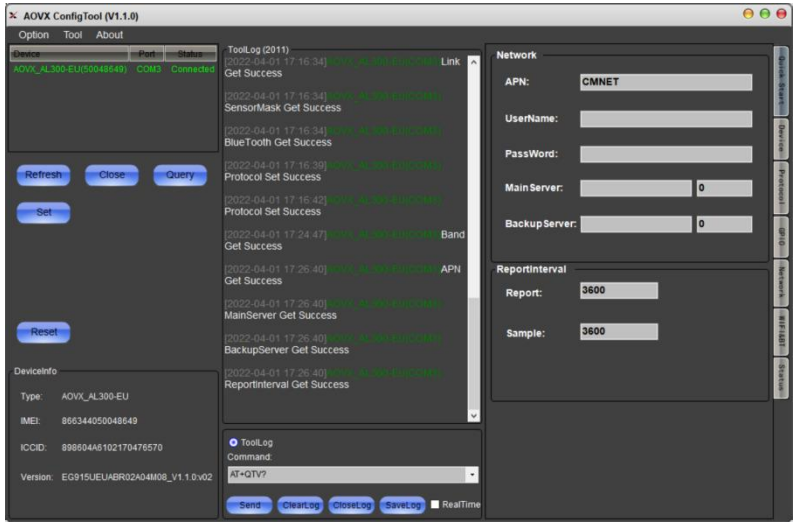


Figure_6 Config tool window

① **Option- Language-** Languages supported by the tool.

- **View**- Check log or tool log.

- **Property**- Settings of the tool.

② **Tool- Protocol Analyze-** Analyze JT/T808 protocol.

- **Download**- Loads upgrade package from file.

③ **About- Version-**The version of the tool.

-**Help**- If you need more information contact us here.

④ **Refresh-**Refresh the COM port and device information.

⑤ **Connect-** Connect the COM port.

⑥ **Query-** Query the device information.

⑦ **Set-** Save configuration to device.

⑧ **Reset-** Restart the device.

⑨ **Quick start-** Configure Network and Report interval.

⑩ **Device config-**configure the device information.

⑪ **Network config-**configure band and LTE.

2 Make sure you click **set** after every configuration.Most important configurator section is **Quick Start** – where all your server and network can be configured.More details about A series configuration can be found in **AX300 User Manual**.

2.5 SMS configuration

Quickly set up your device by sending SMS commands to it:

Table 1 SMS commands

commands	Examples
IP=<index>,<ip>,<port>	configure IP
APN=<apn>,<name>,<password>	configure APN
TIMEZONE=<zone>	configure timezone
TIMEGAP=<index>+<time>	configure report interval

More details about the commands in the list can be find in **AOVX AT commands.**

Default configuration settings

Report Interval

Report:Report every 3600s by default.

Sample:Sampling every 3600s by default.

Device configuration

Work mode:Optional

G sensor:Range:±4G;Threshold:100; Time:3; Interval time:10 by default.

Light: Threshold:500; Interval:10s by default.

Timezone: UTC+0 by default.

GNSS Galaxy: GPS+BD by default.

Protocol

Protocol:Type:JT808 by default; Ver:2013; Encry:NULL; Link:TCP by default. Reportmask, Bule toothmask and sensormask are optional.

3 LED light indications

The three indicators are always on under the normal working state of the device, and all three indicators are off under the sleep state.

System LED indication

Table 2 System LED

COLOR	STATE	MEANING
Red	Flash slowly	The device works normally
	Flash quickly	The device works abnormally.
	Off	No power or in sleep mode

Network LED indication

Table 3 Network LED

COLOR	STATE	MEANING
Green	On	Linking server succeeded
	Flash	Searching for network or linking server
	Off	No power or in sleep mode

GNSS LED indication

Table 4 GNSS LED

COLOR	STATE	MEANING
Blue	On	Fix normally
	Flash	Searching GNSS
	Off	No power or in sleep mode

Safety Information

This message contains information on how to operate AX300 safely. By following these requirements and recommendations, you will avoid dangerous situations. You must read these instructions carefully and follow them strictly before operating the device!

⚠ To avoid mechanical damage, it is advised to transport the device in an impact-proof package. Before usage, the device should be placed so that its LED indicators are visible. They show the status of device

Do not disassemble the device. If the device is damaged, the power supply cables are not isolated or the isolation is damaged, DO NOT touch the device before unplugging the power supply.

All wireless data transferring devices produce interference that may affect other devices which are placed nearby.

The programming must be performed using a PC with autonomic power supply.

Installation and/or handling during a lightning storm is prohibited.

AOVX is not responsible for any harm caused by wrong cables used for connection between PC and AX300

WARNING! Do not use AX300 device if it distracts driver or causes inconvenience due to AX300 placement. Device must not interfere with driver.

Battery should not be disposed of with general household waste. Bring damaged or worn-out batteries to your local recycling center or dispose them to battery recycle bin found in stores.