

GOOGLES X EXTENSION MODULE

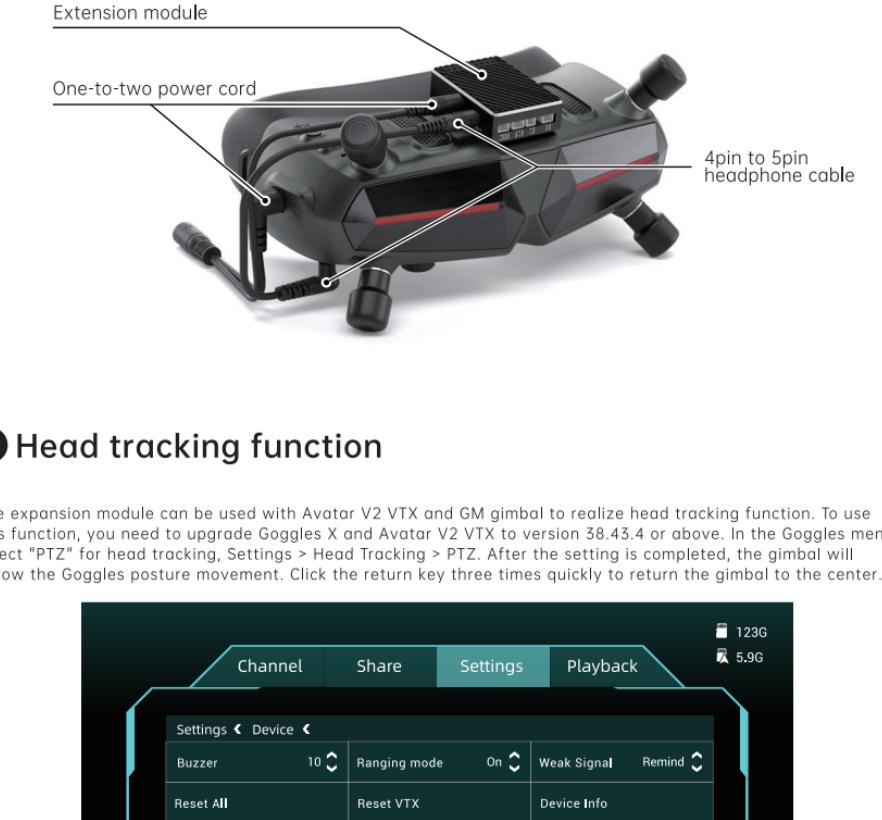
QUICK START GUIDE

V1.1

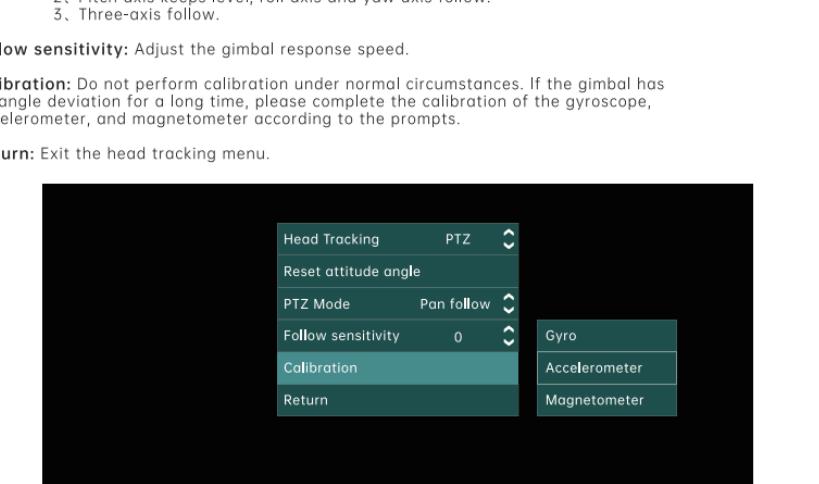
1 Introduction

This extension module is only applicable to the Avatar goggles X version without built-in head tracking. This module integrates head tracking function and fixes the compatibility of some analog receivers. How to determine whether Goggles X has built-in head tracking? Upgrade to firmware version 38.43.4 or above, menu selection: Settings > Device > Head Tracking, if the option is grayed out, it does not have built-in head tracking, otherwise it has built-in head tracking.

2 Connection

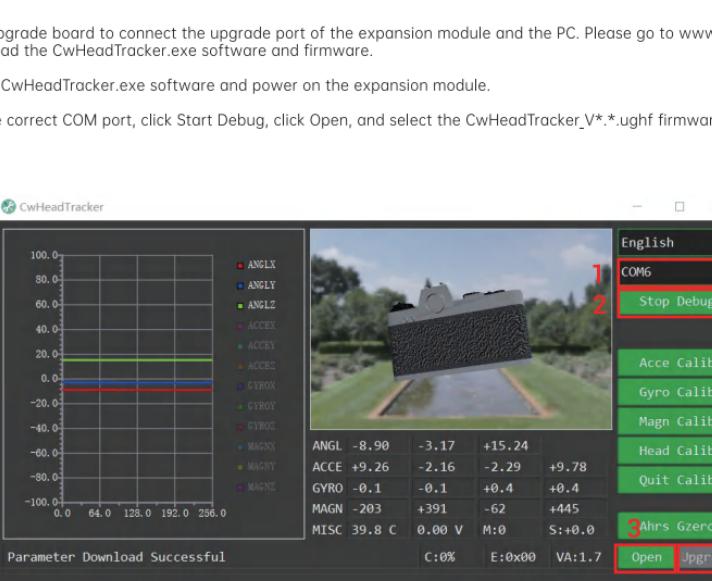


3 Installation

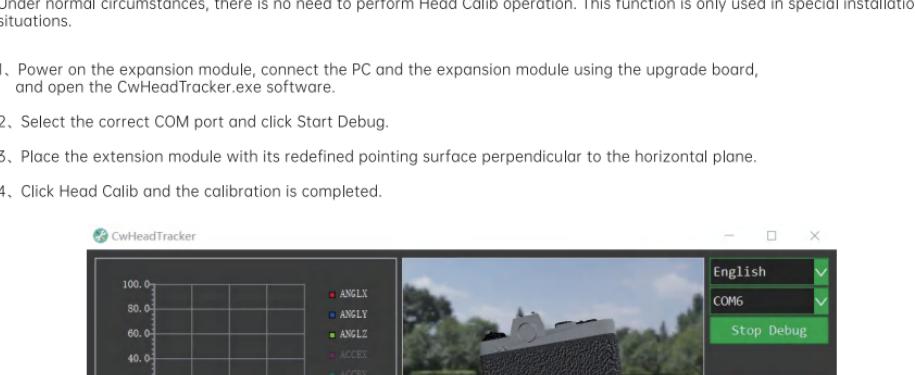


4 Head tracking function

The expansion module can be used with Avatar V2 VTX and GM gimbal to realize head tracking function. To use this function, you need to upgrade Goggles X and Avatar V2 VTX to version 38.43.4 or above. In the Goggles menu, select "PTZ" for head tracking, Settings > Head Tracking > PTZ. After the setting is completed, the gimbal will follow the Goggles posture movement. Click the return key three times quickly to return the gimbal to the center.



5 Upgrade



1. Use the upgrade board to connect the upgrade port of the expansion module and the PC. Please go to www.caddxfpv.com to download the CwHeadTracker.exe software and firmware.

2. Open the CwHeadTracker.exe software and power on the expansion module.

3. Select the correct COM port, click Start Debug, click Open, and select the CwHeadTracker_V*.*.ughf firmware in the same file.



4. Click Upgrade and wait for the progress bar to complete before the upgrade is successful.

⚠ • The GM gimbal needs to upgrade its firmware simultaneously. Please refer to the manual of the corresponding product for the upgrade operation.

6 Head Calib

Under normal circumstances, there is no need to perform Head Calib operation. This function is only used in special installation situations.

1. Power on the expansion module, connect the PC and the expansion module using the upgrade board, and open the CwHeadTracker.exe software.

2. Select the correct COM port and click Start Debug.

3. Place the extension module with its redefined pointing surface perpendicular to the horizontal plane.

4. Click Head Calib and the calibration is completed.

7 Dimensions

GOGGLES X 扩展模块

快速入门指南

V1.1

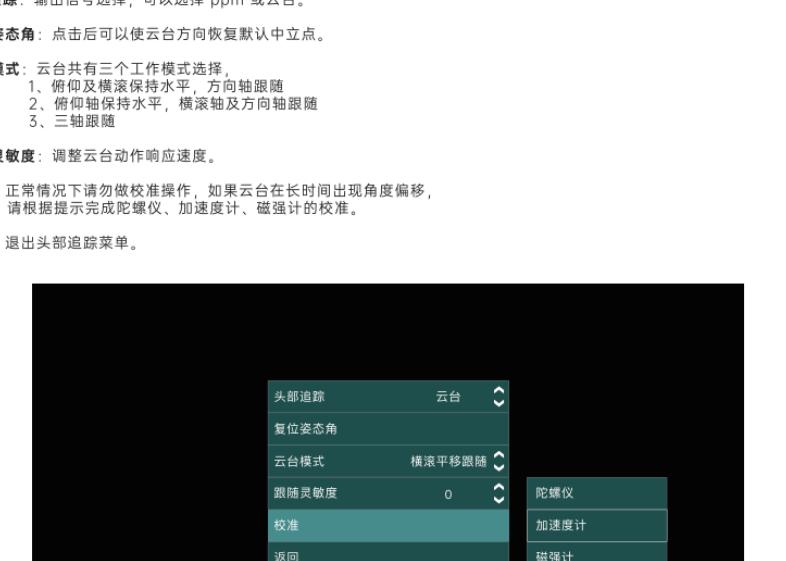
1 简介

此扩展模块仅适用于 Avatar goggles X 未内置头追版本，该模块集成头部跟踪功能，修复部分模拟接收机兼容性。如何判断 Goggles X 是否为内置头追版本，升级到 38.43.4 或以上固件版本，菜单选择：设置 > 设备 > 头部追踪，如选项灰选则未内置头追，反之则内置头追。

2 连接图



3 安装

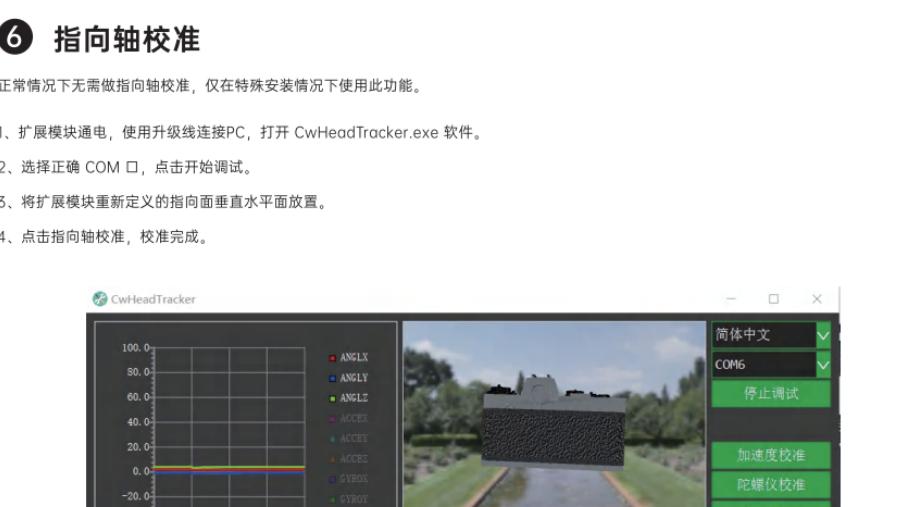


4 头部跟踪功能

扩展模块搭配 Avatar V2 VTX 与 GM 云台 可实现头部跟踪功能，使用此功能需要将 Avatar X 眼镜和 Avatar V2 VTX 升级到 38.43.4 或以上版本，在眼镜菜单中将头部跟踪选择为“云台”，设置 > 头部追踪 > 云台，设置完成后云台将会跟随眼镜姿态动作，快速点击3次返回键可以使云台回中。



5 升级



1、使用升级板连接扩展模块升级口，另一端连接 PC 端，请到 www.caddxfpv.com 官网下载 CwHeadTracker.exe 软件和固件。

2、打开 CwHeadTracker.exe 软件，扩展模块通电。

3、选择正确 COM 口，点击开始调试，点击打开，选择同文件夹的 CwHeadTracker_V*.*.ughf 固件。

4、返回：退出头部追踪菜单。



6 指向轴校准

正常情况下无需做指向轴校准，仅在特殊安装情况下使用此功能。

1、扩展模块通电，使用升级线连接PC，打开 CwHeadTracker.exe 软件。

2、选择正确 COM 口，点击开始调试。

3、将扩展模块重新定义的指向面垂直水平面放置。

4、点击指向轴校准，校准完成。

7 外形尺寸

单位: mm