



## Release Notes for PA01 Transmitter Firmware/PA01 软件版本更新记录

Firmware Version 软件版本	Edge TX: 2.11.3-3 AFHDS 3 RF: 1.0.17 ELRS RF: 3.6.0	Date 日期	11/2025
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- 新增功能： • 无
- 修改功能： 1. AFHDS 3 协议固件优化：
  - 修复开启 AFHDS 3 高频后风扇概率性发出噪声的 Bug。
  - 更新 AFHDS 3 协议固件，修复时序问题导致的概率性断联的问题。2. ELRS 协议固件优化：
  - 更新固件文件，同步 ELRS 官方发布版本。3. EdgeTX 固件优化：
  - 优化开机逻辑：开机修改为长按电源键 1.5S 后开启，且关机状态短按电源按键后，手柄灯条、电源按键灯及 SW1~SW4 按键灯亮起指示当前电量。
  - 优化充电显示：在关机状态下连接充电器，仅拔插 USB 或短按电源按键灯时，手柄灯条、电源按键灯及 SW1~SW4 按键灯会亮起，呼吸灯形式配合不同颜色指示充电和电量，6S 后熄灭。
  - 优化了 SD 卡读写流程，解决了因 SD 卡读取异常导致的概率性丢失背景图片、用户设置信息丢失的 Bug。
  - 修复配合 AFHDS 3 协议内外高频使用时出现的一些问题：如，切换模型需要重新对码、对码成功需要手动退出、开启关闭内外高频需要重新设置失控保护、设置功率后关机重启实际执行功率可能与界面设置不匹配的 Bug。
  - 教练口线序调整：调换教练口的输入和输出脚位（具体见 2025 年 10 月 18 日之后的说明书相关章节）。
  - 修复插上 USB 充电后马达小概率异常振动的情况。
  - 增加摇杆死区设置功能。
  - 修复开机后插入 USB 不识别充电的 Bug。
  - 修复时间电池电压显示错误的问题。4. SD 卡文件更新。
- 特殊变化： • 无

### 注意事项

- Edge TX 2.11.3-3 基于 2.11.3 自建版，暂未合并主线。
- 如需更新 SD 卡内容，建议拷贝您原先使用的 SD 卡文件，然后清空 SD 卡，拷贝全部 SD 卡内容，完毕后再指定目录粘贴您原先使用的模型文件、发射机设置文件以及已有使用的资源文件。

- New functions: • None
- Modified functions: 1. Optimized AFHDS 3 Protocol Firmware:
  - Eliminated occasional RF noise in AFHDS 3 mode.
  - Fixed random disconnections caused by a timing problem.



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- **Modified functions:**
2. Optimized ELRS Protocol Firmware:
    - Updated the firmware to match the official ELRS release.
  3. Optimized EdgeTX Firmware:
    - Optimized Power-On Logic:  
Changed the power-on method to long press the power switch for 1.5 seconds.  
When the radio is off, a short press of the power switch will now illuminate the grip light bar, power switch light, and SW1~SW4 button lights to indicate remaining capacity.
    - Enhanced Charging Indicators:  
When charging in the off state (by plugging in the USB cable or via a short button press), the grip light bar, power switch light, and SW1~SW4 button lights will activate. These lights will display a breathing effect in different colors to indicate charging status and battery level, turning off automatically after 6 seconds.
    - Enhanced SD Card Read/Write Process:  
Fixed sporadic read errors that could erase background images or user settings.
    - Addressed issues occurring with internal/external RF under the AFHDS 3 protocol, including:
      - Model change no longer demands re-binding.  
Radio auto-exits binding mode once the link is established.
      - Failsafe values are retained when toggling internal / external RF.
      - Output power now matches the UI after reboot.
    - Trainer Port:  
Swapped the input and output pins of the trainer port. (Please refer to the relevant section in the user manual for versions dated after October 18, 2025).
    - Fixed a rare motor vibration issue that could occur after plugging in the USB charging cable.
    - Added adjustable stick dead zone setting.
    - Fixed the bug where USB devices were not recognized or charged when plugged in after power-on.
    - Corrected time and battery voltage display errors.
4. Updated SD-card file bundle shipped with this release.
- **Special changes:**
- None

### Notes

- Edge TX 2.11.3-3 is a custom build based on version 2.11.3 and has not yet been merged with the main



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### Notes

development branch.

- When updating the contents of your SD card, it is recommended to first copy all files from your original card to a computer. Then, erase the SD card and copy the complete set of new files to it. Subsequently, transfer your original model files, transmitter settings, and any previously used resource files back to their specified directories.