



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

Firmware Version 软件版本	Edge TX : 2.11.7-1	Date 日期	09/2026
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- ▶ **新增功能：**
 1. 支持 Flysky i-BUS2 协议（EdgeTX 官方主线固件 2.11.7 版本新增支持）。
- ▶ **修改功能：**
 1. I2C 方案优化，解决了切换模型 / 播报声音时候偶发的高频关闭 Bug（EdgeTX 官方主线固件 2.11.7 版本新增优化）。
 2. 修复切换高频开关导致失控保护设置复位 Bug（EdgeTX 官方主线固件 2.11.7 版本暂未优化）。
 3. 修复电池电压低于低压报警值时，开机仍异常显示满电的 BUg（EdgeTX 官方主线固件 2.11.7 版本暂未优化）。
 4. 修复开启“音频停播时自动静音”无效的 Bug（EdgeTX 官方主线固件 2.11.7 版本新 Bug）。
- ▶ **特殊变化：**
 - 无

注意事项

- 本文档仅列出 Flysky 团队合并与优化的重点项目，完整更新日志请参阅开源社区 EdgeTX 官方发布说明。
- 当前 2.11.7-1 版本固件仅提供 CN 版和 EN 版，均基于 EdgeTX 官方主线固件 2.11.7 版本进行修改，相关优化代码正在提交至 EdgeTX 官方 upstream，预计将在后续版本中合并。
- 本版本已重新整合并兼容原 2.11.3-6 版本中的“油门模式”功能，EdgeTX 官方主线固件 2.11.7 版本暂未合并支持。建议 PA01 用户优先使用 2.11.7-1 版本。

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- ▶ **New functions:**
 1. Added support for Flysky i-BUS2 protocol (newly added in EdgeTX official mainline firmware 2.11.7).
 - ▶ **Modified functions:**
 1. I2C optimization; fixed the abnormal RF shutdown issue when switching between models or playing voice broadcasts (newly optimized in EdgeTX official mainline firmware 2.11.7).
 2. Fixed the issue where toggling a switch caused the failsafe settings to reset (not yet optimized in EdgeTX official mainline firmware 2.11.7).
 3. Fixed the Bug where the battery level display showed "fully charged" after powering on when the battery voltage was below the low-voltage threshold (not yet optimized in EdgeTX official mainline firmware 2.11.7).
 4. Fixed the bug where the "Mute if no sound" option did not work when enabled (new bug in EdgeTX official mainline firmware 2.11.7.).
 - ▶ **Special changes:**
 - None

Notes

- This note only lists key projects merged and optimized by the Flysky team. For the complete changelog, please refer to the official release notes of the EdgeTX open-source community.
- The current firmware version, 2.11.7-1, is available in CN and EN editions only. Both are modified



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versions based on the EdgeTX official mainline firmware 2.11.7. The relevant optimization code is being submitted to the EdgeTX upstream and is expected to be merged into a future release.

- This version reintegrates the "Throttle Mode" feature from the original 2.11.3-6 release. This feature has not yet been merged into EdgeTX official mainline firmware 2.11.7. PA01 users are strongly advised to use version 2.11.7-1 first.



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Firmware Version 软件版本	Edge TX : 2.11.3-6	Date 日期	04/2026
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- ▶ 新增功能 :
 - 无
- ▶ 修改功能 :
 1. EdgeTX 固件优化:
 - 优化 I2C 部分代码设计, 解决了 I2C 卡死导致的死机问题。
 - 优化 SD 卡数据访问流程, 解决了 SD 卡读写导致的一些异常现象包括开机提示 SD 卡异常、自定义背景不显示、无故丢数据等。
 - 增加 [油门模式] 功能项。当油门模式设置为 [回中] 时, 死区设置对油门生效, 否则不生效。
- ▶ 特殊变化 :
 - 无

注意事项

- 当前 EdgeTX 固件仅有 CN 版和 EN 版, 固件基于 **2.11.4 内测版本** 修改。
- 我司推出自建版本固件主要基于 PA01 的问题进行优化, 部分并未合并至开源官方, 后续将会合并至 EdgeTX 3.0 公版。建议 PA01 用户优先使用本版本。

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- ▶ New functions:
 - None
 - ▶ Modified functions:
 1. Optimized EdgeTX Firmware:
 - Optimized the I2C code design, resolving the crash issue caused by I2C hang-ups.
 - Optimized the SD card data access process, resolving various anomalies caused by SD card read/write operations, including startup prompts of SD card errors, custom backgrounds not displaying, and unexplained data loss.
 - Added a [Throttle mode] feature. When [Auto center] is set, the throttle dead zone setting applies to the throttle; otherwise, the dead zone setting does not take effect.
 - ▶ Special changes:
 - None

Notes

- The current EdgeTX firmware only includes CN and EN versions, and is customized from the **internal beta version 2.11.4**.
- Our self-built firmware focuses on resolving issues specific to the PA01. Although some improvements are not yet merged into the official open-source branch, they will be included in the EdgeTX 3.0 public release. PA01 users are strongly advised to use this version.



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。

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- ▶ 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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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.