

Pellet stoves adjustment of settings affecting sound

Difficulty level: Intermediate

NB: All changes and adjustments must be conducted when the stove is cold.

NB: This guide is recommended for professional craftsmen

Pellet stoves can generate noise due to fan operation during start-up, ignition, cleaning, and shutdown phases. This noise typically stems from an imbalance between the natural chimney draft and the exhaust (flue gas) fan speed. The following guide provides detailed steps for adjusting the fan speeds to minimize noise, ensuring a quiet and safe operation of the stove.

Using the display and accessing the technical menu:

Follow this guide for a detailed explanation of how to use the display and entering the technical settings menu: [Article 58 - Adjustment of settings on Aduro pellets stoves_EN](#)

Adjusting Fan Speeds for Start-Up and Ignition

Noise during start-up and ignition is often caused by an imbalance in the exhaust fan speed. To resolve this:

- Go to menu **Settings Factory**.
- Adjust the following fan speeds to reduce noise:
 - **Fume Ign. Speed:** Reduce by **150 rpm** to decrease noise during the ignition phase.
 - **Fume Sta. Speed:** Reduce by **250 rpm** to optimize performance during start-up.
- If the noise persists after these adjustments, reduce the speeds further in **increments of 50 rpm** until the noise is at an acceptable level.

4. General Noise Reduction: Adjusting Flue Gas Fan and Convection Fan

Noise can also occur during cleaning, shutdown, and other phases due to high revolutions of the flue gas fan or voltage of the convection fan. These can be adjusted as follows:

- In menu **General Settings**, modify:
 - **Fan revolutions** for the flue gas fan to optimize airflow and reduce noise.
 - **Voltage** for the convection fan to balance heat transfer and noise.
- Always adjust within the recommended intervals to avoid unsafe conditions, such as excessive heat buildup in the pellet container. Refer to Aduros specifications for safe adjustment ranges: [Recommended interval for adjustment of settings on the P1, P4, P5](#)

5. Fine-Tuning for Noise Reduction

- Once the necessary adjustments are made, press **button 4** repeatedly to exit the menu and return to the main display.
- Continue to monitor the stove's performance. If further noise reduction is required, make additional adjustments to the fan speeds in **small increments**, ensuring you stay within safe operating limits.

Keywords: adjustment, settings, noise, pellet, stove, P1, P4, P5