

# T300 AC/DC Firmware changelog

## Note

Please read the update instructions carefully before updating the machine. Failure to follow the update procedure correctly may result in machine damage.

## Version history

Only major changes that affect the machine's functionality are reported here. Please note that minor bug fixes and internal improvements may also be included in each update.

Version numbers not listed here are pre-production, test, beta, or special versions. If your machine has one of these, contact service for information before updating.

### ***Version 1.00 – Initial Release***

### ***Version 1.01 – February 2024***

- Minor internal improvements.

### ***Version 1.02 – March 2024***

- Fixed a bug in the TIG HotStart: the machine now performs the correct HotStart sequence;
- Fixed the direction description of the remote control;
- Minor graphical improvements.

### ***Version 1.03 – March 2024***

- Fixed the behavior of LIFT PIPE/LIFT PIPE SMART in 2T mode (no pedal) when the initial/final time is greater than 0;
- Fixed an issue with double pulse frequency: the minimum regulation for the high-speed pulse is now 20Hz (it should be at least twice the maximum low-speed frequency, which is 10Hz);
- Removed unused gas leds and parameters in LIFT PIPE/LIFT PIPE SMART.

### ***Version 1.04 – April 2024***

- Extended the zero crossing current range to 120A (AUTO still 80A);
- Fixed a bug that used to occur with PFC software 1.05: every time the machine was turned on, the current settings were clamped to the maximum allowed at 120V (for some milliseconds, the new PFC software detected 120V at startup). This issue is now resolved;
- Fixed a graphical bug where two text elements overlapped in the overtemperature message;

### ***Version 1.05 – May 2024***

- Special version only for internal testing;

### ***Version 1.06 – June 2024***

- Fixed a bug affecting the maximum current limitation in Dynamic Power mode.

### ***Version 1.07 – September 2024***

- Improved precision in current reading (better handling of rounding at 0.5A);
- Improved the alignment of the AC symbol on the main screen under certain conditions;
- Removed the wording "PFC OK" from the overtemperature screen if the machine is a single-voltage version;
- Fixed a potential bug that could randomly occur when welding at a certain frequency, increasing the frequency, and then starting a new weld. Sometimes, a small delay could cause poor arc ignition;
- Improved diagnostics when the VbusOK signal is not okay (the machine won't move past the splash screen in this case);
- AUTO HotStart is now set to 70A for all diameters;
- Replaced "AUTO" in Zero Crossing Current with "DEFAULT" (80A).

### ***Version 1.08 – October 2024***

- Improved the message displayed during machine shutdown. It no longer shows "ERROR";
- Changed "AUTO" to "DEFAULT (70A)" in the Hotstart setting.

### ***Version 1.09 – October 2024***

- The white line highlighting the selected key is now slightly thicker for better visibility.
- Fixed graphical glitches occurring when switching between jobs using the "trigger job" function;
- Removed "Current" from "Zero crossing Current" to avoid overlap with "default (80A)".
- Added a unique ID value in the "Info" screen to serve as an identifier for the board. This will be useful for future features or machine/board tracking.