

File: XLDflash_4-24-2021.zip - ReadMe

There are two different TK-II firmware versions in this distribution.

- ***V2.5** (formally V2.4) – this version will be depreciated, but is required for dual PS/2 keyboard usage on hardware that supports it. Features...
 - Dual PS/2 keyboard support for the 1088XEL, and the following TK-II adapter boards: TK-II-GS and earlier TK-II-PB boards. In the 1088XLD the PIC chip's I/O pins associated with the 2nd keyboard have been re-purposed for Mouse Port Select and Swap Disk actions. Switching between these two configurations is automatic, and done by looking for a hardware signature.
 - Reset Delay option for non-1088 use only. When enabled, will hold the system in reset until such time that the PS/2 keyboard has fully initialized, thus allowing held keys (e.g., OPTION, START) during system power-up to be seen and acted upon. Not required for the 1088 series since that aspect is handled via the U1MB BIOS created by Jonathan Halliday (AtarAge member: flassjazzcat). To toggle: CTRL+ALT+D. And to show present setting: ALT+D - this setting is saved in non-volatile memory.
 - Console keys are assigned as: F5=START, F6=SELECT, F7=OPTION, F8=RESET, F10=HELP.
- ***V2.6J** (formally V2.5J) – newest version features...
 - This is considered a more **Universal Version** that will work on all TK-II based hardware with the exception of the 576NUC+.
 - Dual PS/2 keyboard support was dropped (rarely utilized).
 - Reset Delay support was dropped (only worked on a few, but not all Atari computers).
 - F-Key EMU Mode Selection has been added, which allows for mapping of the console keys same as its predecessor (see V2.5 above), or it can be mapped like Lotharek's AKI PS/2 keyboard adapter: F1=HELP, F2=START, F3=SELECT, F4=OPTION, F5=RESET. To toggle: CTRL+ALT+E. And to show present setting: ALT+E - this setting is saved in non-volatile memory.
 - Provides ARROW2JOY Mode on hardware that supports it (TK-II-PBJ and the ARROW2JOY-XLD adapter). ALT+J will toggle the mode, and when active, the arrow keys will mimic Joystick 1 direction control, with the left Windows key acting as the trigger. This is a volatile setting, and upon next power-up will revert to the default mode of being arrow keys.
 - The Break key will break you out of macros with long pauses, and the configuration menu listing (ALT+F2).

Contained in this distribution are all firmware files needed to flash the various PIC chips in a 1088 machine (TK-II, VGATE, MOUSE, MIDI). Running the ATR will present a list of flashing files, entering the name and hitting return will activate a given file for flashing using a JOY2PIC programmer on an 8-bit Atari computer. There is also a folder with the individual XEX versions that can be loaded from an SD or CF card with the right hardware. And for those that wish to use something like a Microchip PICkit3 programmer. there is also a folder containing all of the HEX files.

***Note:** previous TK-II firmware versions were incorrectly outputting key codes for the CTRL+SHIFT+Arrow keys. These newer firmware files have corrected that problem.