UPGRADING OLDER KEYPADS TO VERSION 5.

Your control box and keypad both have software that enable them to function and to communicate. Each time you upgrade your keypad, you will also need to ensure that your control box has the appropriate version so that all of the necessary commands are available.

New control box and keypad software versions can be downloaded from this link when they are available: https://www.astro-physics.com/software-updates

What Mount Control Box Do I Need?

- Only the GTOCP4 and GTOCP5 control boxes have the computing power and required commands to use version 5 of the keypad. Regrettably, the older control boxes (GTOCP1, GTOCP2 and GTOCP3) will not be able to use a keypad with upgraded v5.xx software. Keypad version 4.19.3. is recommended for these older control boxes.

- Your GTOCP4 or GTOCP5 must be upgraded to the software version specified in the keypad download instructions.

Can I Upgrade My Present Keypad?

- Keypads with serial numbers 1566GTO and higher can be upgraded. Keypads with serial number 1565GTO or earlier that have the original 256K circuit board cannot be used with the v5.xx firmware, as they lack the memory capacity.   If you have a keypad with a lower serial number that has been repaired and starts with the letter "R", it may have the required memory. Call Astro-Physics for assistance.

- Two of the buttons in the lower row of the newer keypads have different lettering on them. The text of the former FOCUS button has been changed to RECAL. The button previously labeled RA DEC REV has been relabeled ENTER. The RA DEC REV function will now be accessed through the +- button. The MENU button has been relabeled to include ESC.

    If you load v5.xxx.x onto an older keypad, you can continue to use your original button pad and simply memorize the new function. Alternatively, you may send your keypad to Astro-Physics for an upgrade to new the button pad. Contact Astro-Physics for additional information.

Older Button Labels

Newer Button Labels

Will Keypad V5 Function the Same for all of My AP Mounts?

Version 5 offers different features depending on your control box.

Mach2GTO with GTOCP5 control box (GTOCP5 not available for other mounts).

- The Autoconnect:NO startup routine is simplified since the mount always knows its position even when the clutches have been loosened.
- All modeling features are enabled: pointing, tracking and orthogonality.
- The power setting feature is available to optimize power usage.
- PEM is not shown since it is not needed.

Mounts with GTOCP4 control box.

- The Autoconnect:NO startup routine requires that you resume from current position or place the mount in one of the park positions.
- PEM (Periodic Error Memory) is an available feature.
- All modeling features are not available at this time, however can be enabled by Astro-Physics in the future.
- The power setting feature is not available since it is not appropriate for the CP4.

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