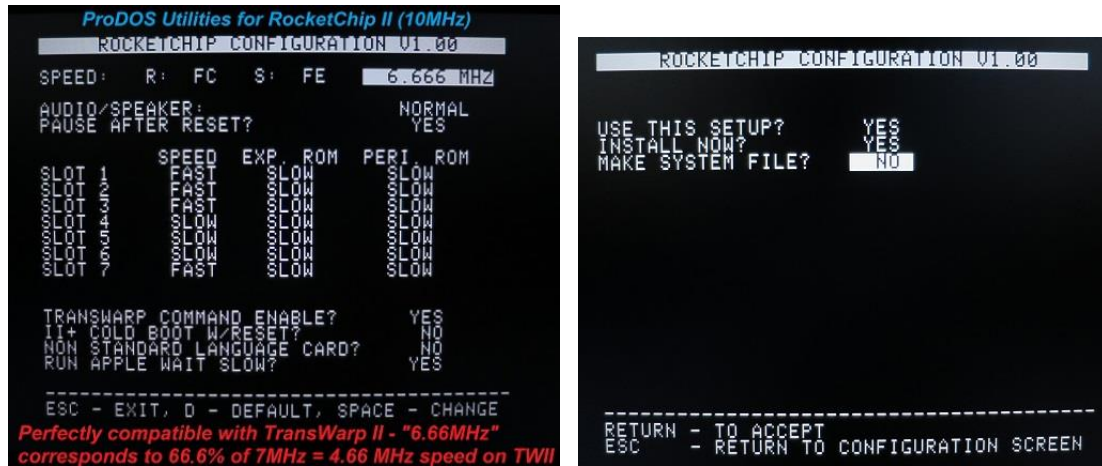


Fine-tuning the speed of TransWarp II

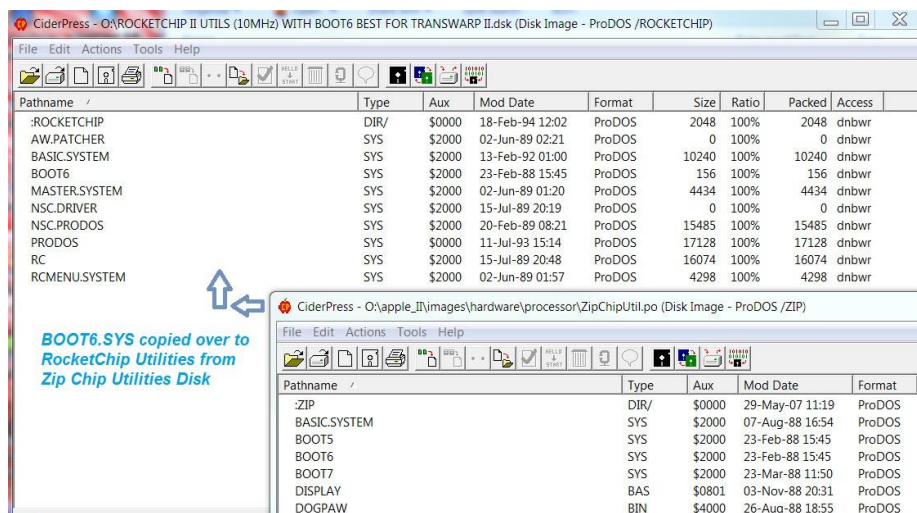
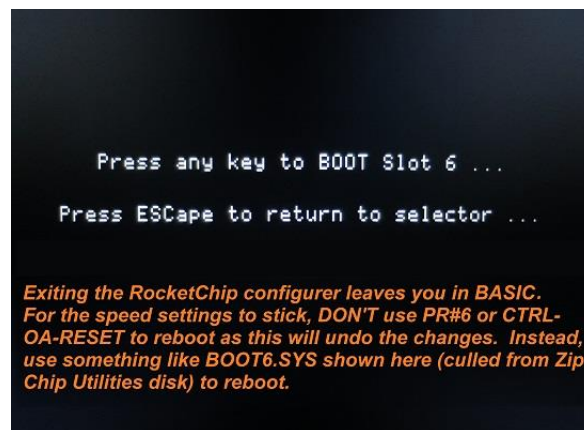
The built-in control panel of the TransWarp II only allows a choice of two accelerated speeds - 7 MHz & 3.5 MHz. All is not lost, however, as the TWII is compatible with the *RocketChip Utilities* (found [HERE](#)). This permits fine-tuning the speed in small increments, anywhere from a fraction of 1MHz right up to full throttle!

(Full credit to Glynne Tolar for making the connection - refer [HERE](#))



It's probably easiest to use the RocketChip Utilities designed for the *10MHz RocketChip II* (ProDOS version shown above). In this example I have it configured for "6.66MHz" which corresponds neatly to 66.6% of top speed. So on the TransWarp II, 66.6% of 7MHz equates to **4.66MHz**

Exiting the RocketChip configurer dumps you to BASIC.SYSTEM with your speed setting intact. However, rebooting with **PR#6** or **CTRL-OA-RESET** on a TransWarp II will undo your speed (*it reverts to stock 3.5MHz or 7MHz, whichever is closest to your custom setting*). One workaround is to use something like **BOOT6.SYS** shown in the example below (poached from Zip Chip Utilities [HERE](#)). This bypasses the TWII firmware, preserving your speed whilst booting up the next disk...



With this approach, I was able to launch *Speed Tester* (in DOS 3.3 format) and benchmark the TransWarp II running at a non-standard 4.66MHz:-

**Enhanced Apple //e clone –
TransWarp II @ 4.66MHz** (configured
with RocketChip Utilities)

*Benchmarks generated by Speed Tester are relative
to a 1MHz Apple //e*

FOR-NEXT LOOP TEST

15 SECONDS **4 TIMES FASTER**

TEXT-SCROLL TEST

12 SECONDS **3.45 TIMES FASTER**

HGR-FILL BASIC TEST

14 SECONDS **4 TIMES FASTER**

ASL COUNTING TEST

29 SECONDS **4.62 TIMES FASTER**

HGR-FILL ASL TEST

6 SECONDS **4.5 TIMES FASTER**

^ 2017-06-10 by cvxmelody

Further benchmarks available here:-

<http://www.cvxmlody.net/AppleUsersGroupSydneyAppleIIDiskCollection.htm#BENCHMARKS>