

## 80 Column and Double High Resolution Graphics

The 80 column and double high resolution screen displays reside in Bank 0 (64K) of the RamWorks card. Applied Engineering provides the RAMDRIVE program with bank 0 "locked out" from the RamDrive. This allows the 80 column and double High-Res display memory area to function without conflict, regardless of the parameter values in locations 24579 or 24580.

The default values for these parameters allow the use of the 80 column screen and disallow the use of the double high resolution screen feature. If bank 0 is available to the RamDrive (not locked out) and a disallowed display is used anyway, parts of the data on the first RamDrive will be "clobbered". If you will not require the 80 column display and want to gain an additional 4 sectors of RamDrive space, enable RamDrive with Applesoft statements like these:

<code>]BLOAD</code>	<code>RAMDRIVE,S6,D1</code>	Loads RamDrive into memory
<code>]POKE</code>	<code>24579,0</code>	Disables 80 column display--unlocks bank 0
<code>]CALL</code>	<code>24576</code>	Reinstalls RamDrive with new setting

(The bracket that begins each line represents the Applesoft BASIC prompt. It is not part of the statement!)

To use the double high resolution graphics display, which displaces 8K (32 sectors) of RamDrive space, activate RamDrive with this statement:

<code>]POKE</code>	<code>24580,1</code>	Enables the double High-Res option
<code>]CALL</code>	<code>24576</code>	Reinstalls RamDrive with new setting

## Emulated Slot

This option allows you to specify the slot in which you want to install the "phantom" RamDrive controller card. Slot 3 is the default value, as table 5-2 indicates, but you can select any slot between 1 and 7 (regardless of any other cards installed) by changing the value at location 24581. If the emulated slot is also the actual disk controller slot, slot 6, for example, then S6,D1 would be the only physical drive and drives 2,3,...6 would be the emulated drives. The program ignores the physical drive 2 in slot 6 in this case.

## Lowest Drive Number

Use the value in location 24589 to set the lowest emulated drive number. With reference to the emulated slot 6 example above, if you change the lowest drive value to 3, the physical slot 6 drives would be drives 1 and 2. The emulated drives would then be drives 3, 4, 5, & 6 (assuming sufficient RamWorks memory).

## Emulated Volume Number

The contents of this memory location (24582) specifies the volume number of the first emulated drive. Subsequent emulated drives will have a volume number one greater than the preceding volume.