



Advanced Plus 2 ROM

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This new ROM replaces the resident ROM in the Plus 1. (NB when fitting ROM, please make sure the notch is correctly aligned -same as existing one) When power is applied it boots the Basic ROM, which may thereafter be configured to any other language for all subsequent CTRL BREAKs or BREAKs using *LANG. The default language is indicated on *ROMS.

All commands can be abbreviated, be in mixed case, and prefixed with a 'P' to avoid name clashes (although AP2 ROM should get the command first anyway).

A help routine has been included to Acorn standard, for all the * commands & showing their parameters. This is called with <*HELP/*H. +1>. The * commands in AP2 ROM are:-

- *AQRPAGE selects the specified page in any AQR present & then checks the images being presented to the OS to cater for any images which may have changed
syntax - *AQRPAGE <page>
- *BUILD creates a text file which may subsequently be used by *EXEC,
syntax - *BUILD <filename>
- *DUMP to view file contents. Width of display adjusts automatically to current screen mode. 16 across in 80 chr mode, 8 in 40, and 3 in 20.
syntax - *DUMP <filename>
- *FORMAT to format ADFS discs. Size defaults to M. If the user has ADFS 1.00 the ZYSysHelp file will be produced.
syntax - *FORMAT <ADFS drive> (<S|M|L>), ADFS only.
- *INSERT to 'insert' a previously unplugged ROM bank. Although the restoration is immediate, BREAK may have to be pressed to let certain ROMs, like FSS, to initialise. A warning message is displayed to that effect.
syntax - *INSERT <bank>
- *KILL is a replacement for *UNPLUG for the Plus 1. Allowing *UNPLUG to partially disable the Plus 1 could be catastrophic, so this command does the job completely. It first asks the user to confirm that they are serious, then resets the machine to make sure all ROM's are inserted. Officially the only way back is to re-apply power.
- *LANG selects the default language to be booted on a CTRL-BREAK. It is set to Basic (bank B) on power up. The default language is indicated by a * instead of a : in *ROMS just after the bank number. *LANG will only allow Language ROMs (excluding the Plus 1 ROM) to be specified, and will start the language up as well.
syntax - *LANG <bank>

***LIST** displays a numbered listing of a file such as !BOOT
syntax - *LIST <filename>

***LOADROM** to load a ROM image from the current FS, and attempt to install it in a ram bank (which can be specified by the user).
syntax - *LOADROM <filename> (<bank>) (L)

***LOCK** locks a RAM bank. After deciding whether it is an odd or even socket it then accesses the appropriate locations for an AQR, ABR, ASR or AP7
Syntax *LOCK <bank>. See also *LROMS.

***LROMS** locks all RAM banks, and then produces a *ROMS display.

***ROMS** displays all the enabled and unplugged ROM images resident in the computer. The default language is indicated by a * instead of a : after the bank number. Unoccupied RAM banks will also be shown. The characters within brackets have the following possible values :

| | | | |
|---------|------------------------|-----------------------|-------------------|
| 1st chr | S=Active Service ROM, | U=Unplugged Image, | ' '=No Svce entry |
| 2nd chr | L=Active Language ROM, | ' '=No Language entry | |
| 3rd chr | R=This is a RAM bank, | ' '=Failed RAM test. | |

***SAVEROM** saves a copy of a ROM image to the current filing system.
syntax - *SAVEROM <file> <bank>

***TYPE** displays a file on the screen, without line numbers.
syntax - *TYPE <filename>

***UNLOCK** unlocks a RAM bank. After deciding whether it is an odd or even bank it will access the AQR, ABR, ASR and AP7 locations
Syntax *UNLOCK <bank>. See also *UROMS.

***UNPLUG** disables a ROM image. The user is not allowed to unplug the default language, nor the Plus 1 ROM. To unplug default lang., alter the *LANG setting first, to unplug Plus1 use *KILL instead. UNPLUGged images are detected and shown on *ROMS, even though they are inactive. UNPLUG will attempt to disable images immediately, but a BREAK may be needed to sort out the more 'integrated' programs. A warning message is displayed to that effect.
syntax - *UNPLUG <bank>

***UROMS** unlocks any RAM banks, and then produces a *ROMS display.

***VERIFY** reads every sector of an ADFS disc to test it. Since *VERIFY is a popular command name this routine will only respond if ADFS is the current filing system,
syntax - *VERIFY <ADFS DRIVE>, ADFS only.

***VFORMAT** is a *FORMAT followed by a *VERIFY on the drive.
