

#	Function	Description	Inputs	Output	Comments	Author
1	<b>-POWERCL BS</b>	Module Header / SPLASH	n/a	Checks for Library#4	Shows "splash screen"	Nelson F. Crowle
2	<b>ΣCL _</b>	Main CL Global Launcher	Prompts "B:C:H:M:P:T:U"	Launches selected Launcher	BA to cancel out	Ángel Martin
3	<b>ADRID</b>	ROM id# from address	Flash addr in Alpha	ROM ID in Alpha	Address as returned by YPOKE	Ángel Martin
4	<b>BAUD _</b>	Baud functions launcher	Prompts "1:2:4:9:I"	Launches selected function	BA to cancel out	Ángel Martin
5	<b>CHECKF</b>	Check ROM Configuration	none	OK/BAD message	if BAD shows conflicting id's#	Ángel Martin
6	<b>CLLIB _</b>	ROM Library Alphabetical	Prompts "A-Z"	Starts listing at selected letter	valid chrs: R/S, SST, SHIFT, ENTER^, BA	Ángel Martin
7	<b>HEPINI _ _</b>	HEPAX FileSys Init	Prompts for values	initializes HEPAX File System	assigns same ROM ID# as page#	Ángel Martin
8	<b>HEPX _</b>	HEPAX Launcher	Prompts "4:8:6:I:D"	Launches selected function	BA to cancel out	Ángel Martin
9	<b>HEPYX</b>	HEPAX FileSys Init	# pages in Y, first page in X	initializes HEPAX File System	assigns same ROM ID# as page#	Howard Owen
10	<b>HPX4 _</b>	HEPAX Config 4k - CL	prompts for page#	Configures 4k HEPAX on CL	RAM in chosen page, ROM in previous	Ángel Martin
11	<b>HPX8 _</b>	HEPAX Config 8k - CL	prompts for page range	Configures 8k HEPAX on CL	RAM in 2x Pages, ROM in previous	Ángel Martin
12	<b>HPX16 _</b>	HEPAX Config 16k - CL	prompts for page range	Configures 16k HEPAX on CL	RAM in 3x Pages, ROM in previous	Ángel Martin
13	<b>MMU _</b>	MMU functions launcher	Prompts "C:D:E:G:T:?"	Launches selected function	BA to cancel out	Ángel Martin
14	<b>MMUCAT</b>	MMU Catalog	none	Sequential list of MMU Entries	valid chrs: R/S, SST, SHIFT, ENTER^, BA	Ángel Martin
15	<b>PLUG _</b>	PLUG functions launcher	Prompts for location	ROM with ID in ALPHA is plugged	BA to cancel out	Ángel Martin
16	<b>PLUGG _</b>	Plug Page	Prompts for page	Plugs ROM in page	4k ROMS only. Won't overwrite YFNS.	Ángel Martin
17	<b>PLUGG? _</b>	Page Location MMU	Prompts for page	content of MMU entry for page	Alpha is changed	Ángel Martin
18	<b>PLUGGX</b>	Plug Page by X	page# in X	Plugs ROM in page	4k ROMS only	Ángel Martin
19	<b>PPG#4 _</b>	Page#4 Plug	Prompts "F:L:S"	Selected ROM plugged	"OK" in Alpha. <i>Take-over ROMS!</i>	Ángel Martin
20	<b>ROMLIB _</b>	ROM Library by type	Prompts "E:F:G:M:U:X"	Sequential list of ROMs by type	SHIFT Toggles with CLLIB	Ángel Martin
21	<b>ROMLST</b>	Shows all XROMs plugged	none	Strintg in Alpha	shows 8 roms max. (24 chrs).	Ángel Martin
22	<b>SECURE</b>	enable password lock	none	Sets SECURE mode ON	Password asked upon startup	Nick Harmer
23	<b>TURBO _</b>	TURBO functions launcher	Prompts "X:2:5:1:0;:?"	Launches selected function	BA to cancel out	Ángel Martin
24	<b>UNLOCK</b>	disable password lock	asks for password	Sets Secure mode OFF	Calculator is switched off	Ángel Martin
25	<b>UPPG4</b>	Clears MMU entry for page #4	none	MMU entry cleared	Alters ALPHA	Ángel Martin
26	<b>UPLGG _</b>	UPLUG page	Prompts for page "6-F"	Unplugged if present	accesses page#4 w/ "OK" in Alpha	Ángel Martin
27	<b>UPLGGX</b>	UPLUG Page by X	Page# in X	Unplugged if present	accesses page#4 w/ "OK" in Alpha	Ángel Martin
28	<b>UPLUG _</b>	UPLUG functions Launcher	Prompts for location	Location is removed from MMU	Valid chrs: 1-4, L, U, BA	Ángel Martin
29	<b>UPLUGA</b>	UPLUG by Alpha	Page Revision in Alpha	Unplugged if present	not same as CL ROM id#	Ángel Martin
30	<b>XCAT _</b>	Xtended CATALOGs	Prompts: "B:F:H:K:L:M:U"	Launches selected function	BA to cancel out	Ángel Martin
31	<b>XPASS</b>	change password	asks old/new passwords	Password is changed	Security mode not changed	Nick Harmer
32	<b>YBSP</b>	ALPHA back Space	string in ALPHA	Deletes rightmost character	Stack is not changed	W&W GmbH
33	<b>YCL&gt;</b>	Clears string from ">"	string in ALPHA	Clears from ">" char to the right	Nothing if ">" is not present	Ángel Martin
34	<b>YCL-</b>	Clears string from hyphen	string in ALPHA	Clears from "-" char to the right	Nothing if "-" is not present	W&W GmbH
35	<b>YFNZ</b>	Page location of YNFS	none	page location in X	disables MMU if not found (!)	Monte Dalrymple
36	<b>YINPT _</b>	Y Input	prompts for characters	HEX entry plus control chrs	use "M" for "RAM", "K" for "16K"	Ángel Martin
37	<b>YSWAP&gt;</b>	swaps both sides of ">"	string in ALPHA	Alpha swapped around ">"	Nothing if ">" is not present	Ángel Martin
38	<b>YSWAP-</b>	swaps both sides of hyphen	string in ALPHA	Alpha swapped around "-"	Nothing if "-" is not present	Ángel Martin

39	<b>-SYS/EXT</b>	<b>Section Header / DTOA</b>	<b>Text in Display</b>	<b>Writes text to ALPHA</b>	<b>Easter-egg function</b>	<b>Ángel Martin</b>
40	<b>ASG _</b>	Multi-byte ASN	prompts for mnemonic	Assignment is made	supports synthetics	<i>Frits Ferwerda</i>
41	<b>BFCAT</b>	Buffer Catalog	none	Shows present buffers	Has control characters	<i>Ángel Martin</i>
42	<b>BLCAT</b>	Block Catalog	none	Lists block contents	Paused while key is pressed	<i>VM Electronics</i>
43	<b>CPYPG __</b>	Copy Page	FROM: in X, TO: in prompt	Copies page from/ to	not programmable	<i>Ángel Martin</i>
44	<b>DCD</b>	Decode	NNN in X	HexCode in Alpha	A classic used in subroutines	<i>W&amp;W GmbH</i>
45	<b>DTST</b>	Display Test	none	Shows display all lit up	To amaze your friends	<i>Chris Dennis</i>
46	<b>HEXKB _</b>	HEX Keyboard	prompts for entry	Codes NNN in X, string in Alpha	programmable	<i>Clifford Stern</i>
47	<b>PGSIG __</b>	Gets Signature for page	Prompts for page, 1-14	data string in Alpha	supports OS ROMS as well	<i>Ángel Martin</i>
48	<b>RAMED _</b>	RAM Editor	address in X	Memory edited as per inputs	Has control characters	<i>Håkan Thörngren</i>
49	<b>READPG</b>	Reads page from HPIL disk	page# in X, FName in Alpha	Page read from disk	was GETROM before	<i>R. delTondo</i>
50	<b>ROMCAT __</b>	ROM id# CAT	prompts ROM id#, 1-32	Stats CAT-2 at this point	Will show headers. Hit ENTER for fncs.	<i>J.D. Dodin</i>
51	<b>ROMED _ _ _ _</b>	ROM Editor	prompts for address	ROM edited as per inputs	Has control characters	<i>Doug Wilder</i>
52	<b>SIGPG?</b>	Gets page# of matching sig	Signature in Alpha	Page# in X	shows NO MATCH if not plugged	<i>Ángel Martin</i>
53	<b>SPEED</b>	Recalls CPU cycles data	none	CPU cycles/sec in X	not sure thi works on the CL (!)	<i>Doug Wilder</i>
54	<b>T&gt;BS __</b>	Base Ten to Base	number in X, base in prompt	converted number in ALPHA	base in Y for PRGM mode	<i>Ken Emery</i>
55	<b>WRTPG</b>	Writes page to HPIL disk	page# in X, FName in Alpha	Page copied to Disk	was SAVEROM before	<i>R. delTondo</i>
56	<b>XCF __</b>	Xtended CF	prompts for flag#	Flag is cleared.	All flags range. Uses X if in PRGM	<i>Michael Katz</i>
57	<b>XROM _ _ _ _</b>	ROM function Launcher	Prompts for values	Launches function	non-programmable	<i>Clifford Stern</i>
58	<b>XSF __</b>	Xtended SF	prompts for flag#	Flag is set	All flags range. Uses X if in PRGM	<i>Michael Katz</i>
59	<b>-SI</b>	<b>Direct Unit conversion</b>	<b>value in X, string in Alpha</b>	<b>converted unit in X</b>	<b>Supports Electrical Units</b>	<i>HP Co. / A. Martin</i>
60	<b>APPEND _</b>	Appends text to Alpha	text in prompt	text appended to Alpha	halts PRGM and continues	<i>Doug Wilder</i>
61	<b>KLIB _</b>	Constants Library	4 displays of 5x each, SST	constant value to X, unit to Alpha	use id# in X in PRGM mode	<i>Ángel Martin</i>
62	<b>SI-</b>	Reverse Unit conversion	value in X, string in Alpha	converted unit in X	Supports Electrical Units	<i>HP Co. / A. Martin</i>
63	<b>UCAT _</b>	Unit Catalog	section in prompt (1-5)	Lists units starting at section#	Has control characters	<i>Ángel Martin</i>
64	<b>Y/N?</b>	Yes/No input	none	only takes "Y", or "N"	for convenience sake	<i>Paname ROM</i>

## Legend:

<b>BLACK fns.</b>	FOCAL code w/ MCODE entry
<b>BLUE fns.</b>	MCODE Functions
<b>RED fns.</b>	New/Enhanced in POWER_CL
<i>Blue Background</i>	Uses Bank-2