

EPROM Description "Hyper Expander Set 2"

Software Selection

The software, contained in this EPROM is located at \$A000 of the Commodore VIC-20 address space. There are eight (auto start) cartridge images, all attached to the BLK5 chip select for IC1.

No.	Cartridge Software	Chip Select	EPROM Offset	A15	A14	A13
1	Super Expander & VICMON (\$B000, Start:SYS45056)	/BLK5	\$0000	L	L	L
2	RAM Expansion Test	/BLK5	\$2000	L	L	H
3	VC-20 Diagnostic (PAL, Requires Harness)	/BLK5	\$4000	L	H	L
4	VIC-20 Diagnostic (NTSC, Requires Harness)	/BLK5	\$6000	L	H	H
5	Debug 98 (Start: SYS40960)	/BLK5	\$8000	H	L	L
6	EXBASIC L2	/BLK5	\$A000	H	L	H
7	ASSAM (start with SYS700)	/BLK5	\$C000	H	H	L
8	WAX4k (start: SYS6*4096) Programmers Aid (start: SYS28681)	/BLK3	\$E000	H	H	H

L: Jumper Set/DIP-Switch ON

H: Jumper Open/DIP Switch OFF

Other DIP-Switch Settings

EPROM Configuration – SW3

Sw.	Function	Setting
1-3	EPROM Offset	See above
4	/BLK2	OFF
5	/BLK5	#1...7: ON #8: OFF
6	/BLK1	OFF
7	/BLK3	#1...7: OFF #8: ON
8	/CS1=/CS2	ON

X: don't care

RAM Configuration – SW2

Sw.	Function	Setting
1	/BLK1	ON
2	/BLK2	ON
3	/BLK3	#1...7: ON #8: OFF
4	3kB	ON
5	/BLK5	#1...7: OFF #8: ON
6	/IO2	ON
7	/IO3	ON
8	/J2	X

X: don't care

RAM attached to BLK5 (\$A000-\$BFFF) needs to be switched off to activate EPROM @ BLK5. The Diagnostic Software requires the 3kByte expansion (\$0400-\$1000). For the Dead Test, /BLK1.../BLK3 (\$2000-\$7FFF) should be activated as well.

Software sources

- Super Expander: <http://www.zimmers.net/anonftp/pub/cbm/vic20/roms/tools/4k/index.html>
- Commodore VICMON: https://archive.org/details/tosec-20161111-commodore-vic-20_20170305
- RAM Expansion Test: <https://github.com/svenpetersen1965/VIC-20-RAM-Expansion-Test-Software>
- VIC-20 Diagnostics (PAL & NTSC): <http://www.zimmers.net/anonftp/pub/cbm/firmware/misc/vc-20diag/index.html>
- VIC Debug98: https://archive.org/details/tosec-20161111-commodore-vic-20_20170305
- EXBASIC L2: <http://www.zimmers.net/anonftp/pub/cbm/vic20/roms/tools/8k/index.html>
- ASSAM: <http://www.zimmers.net/anonftp/pub/cbm/vic20/roms/tools/8k/index.html>
- WAX4k: <https://github.com/Chysn/VIC20-wAx>