

Super Cobra  
Patch for the ADAM Computer  
by AtariAge Member Nanochess

As said before, the Super Cobra game has a mess in RAM memory access that prevents it from working in the Coleco ADAM as it requires the 1K RAM mirroring of Colecovision.

Following Ikrananka's dump I've changed carefully each access to \$6000-\$63ff to be at \$7000-\$73ff (the other way looked more difficult), I've tested it in BlueMSX with internal RAM changed to 8K, so it also should work fine over a Coleco ADAM.

Indeed was an interesting challenge and a nightmare to check every byte and double-checked just to see I didn't miss any bytes.

As a note of warning, there are 192 different bytes patched, if you miss one then you'll see strange effects in the game.

If anyone publishes a patched ROM, please DON'T give me any credit. It is only my little contribution to the community.

Address

Original byte

New byte

\$0007	=	\$63	->	\$73
\$0009	=	\$60	->	\$70
\$0027	=	\$60	->	\$70
\$00DA	=	\$60	->	\$70
\$010B	=	\$63	->	\$73
\$0179	=	\$63	->	\$73
\$017C	=	\$63	->	\$73

\$0184 = \$63 -> \$73  
\$0189 = \$63 -> \$73  
\$018C = \$63 -> \$73  
\$01C2 = \$63 -> \$73  
\$01D1 = \$63 -> \$73  
\$01E3 = \$63 -> \$73  
\$01E9 = \$63 -> \$73  
\$01EC = \$63 -> \$73  
\$01F8 = \$63 -> \$73  
\$01FB = \$63 -> \$73  
\$0203 = \$63 -> \$73  
\$0206 = \$63 -> \$73  
\$0383 = \$63 -> \$73  
\$0779 = \$63 -> \$73  
\$077C = \$63 -> \$73  
\$079A = \$63 -> \$73  
\$07AD = \$63 -> \$73  
\$0890 = \$63 -> \$73  
\$089A = \$63 -> \$73  
\$08B4 = \$63 -> \$73  
\$08BF = \$63 -> \$73  
\$0919 = \$63 -> \$73  
\$091C = \$63 -> \$73  
\$0928 = \$63 -> \$73  
\$0932 = \$63 -> \$73  
\$093D = \$63 -> \$73  
\$0942 = \$63 -> \$73  
\$0947 = \$63 -> \$73  
\$094C = \$63 -> \$73  
\$0951 = \$63 -> \$73  
\$0956 = \$63 -> \$73  
\$0960 = \$63 -> \$73  
\$0965 = \$63 -> \$73  
\$096A = \$63 -> \$73  
\$097F = \$63 -> \$73  
\$0982 = \$63 -> \$73  
\$098D = \$63 -> \$73  
\$09AE = \$60 -> \$70

\$09DB = \$63 -> \$73  
\$09E3 = \$63 -> \$73  
\$09F1 = \$63 -> \$73  
\$09F6 = \$63 -> \$73  
\$0A0F = \$63 -> \$73  
\$0A2B = \$60 -> \$70  
\$0A3B = \$63 -> \$73  
\$0A41 = \$63 -> \$73  
\$1482 = \$63 -> \$73  
\$149B = \$63 -> \$73  
\$14B5 = \$63 -> \$73  
\$14C2 = \$63 -> \$73  
\$14C9 = \$63 -> \$73  
\$14CC = \$63 -> \$73  
\$14D4 = \$63 -> \$73  
\$14DA = \$63 -> \$73  
\$14E6 = \$63 -> \$73  
\$14F0 = \$63 -> \$73  
\$14F6 = \$63 -> \$73  
\$1504 = \$63 -> \$73  
\$150A = \$63 -> \$73  
\$150D = \$63 -> \$73  
\$1512 = \$63 -> \$73  
\$1533 = \$63 -> \$73  
\$1546 = \$63 -> \$73  
\$154B = \$63 -> \$73  
\$1550 = \$63 -> \$73  
\$157C = \$63 -> \$73  
\$15A3 = \$63 -> \$73  
\$15A9 = \$63 -> \$73  
\$15B2 = \$63 -> \$73  
\$15C0 = \$63 -> \$73  
\$15C6 = \$63 -> \$73  
\$15DE = \$63 -> \$73  
\$15E1 = \$63 -> \$73  
\$15E4 = \$63 -> \$73  
\$15E7 = \$63 -> \$73  
\$15EA = \$63 -> \$73

\$15ED = \$63 -> \$73  
\$15F9 = \$63 -> \$73  
\$1646 = \$63 -> \$73  
\$1654 = \$63 -> \$73  
\$166E = \$63 -> \$73  
\$168C = \$63 -> \$73  
\$1695 = \$63 -> \$73  
\$1698 = \$63 -> \$73  
\$16D4 = \$63 -> \$73  
\$16FA = \$63 -> \$73  
\$16FF = \$63 -> \$73  
\$1747 = \$63 -> \$73  
\$176A = \$63 -> \$73  
\$1774 = \$63 -> \$73  
\$1777 = \$63 -> \$73  
\$177A = \$63 -> \$73  
\$177D = \$63 -> \$73  
\$179D = \$63 -> \$73  
\$17A0 = \$63 -> \$73  
\$17CD = \$63 -> \$73  
\$17D6 = \$63 -> \$73  
\$1803 = \$63 -> \$73  
\$1813 = \$63 -> \$73  
\$1821 = \$63 -> \$73  
\$1833 = \$63 -> \$73  
\$1839 = \$63 -> \$73  
\$1840 = \$63 -> \$73  
\$1856 = \$63 -> \$73  
\$186A = \$63 -> \$73  
\$18AE = \$63 -> \$73  
\$18BA = \$63 -> \$73  
\$1900 = \$63 -> \$73  
\$190E = \$63 -> \$73  
\$1923 = \$63 -> \$73  
\$1926 = \$63 -> \$73  
\$1985 = \$63 -> \$73  
\$198E = \$63 -> \$73  
\$199B = \$63 -> \$73

\$19A4 = \$63 -> \$73  
\$19B4 = \$63 -> \$73  
\$19C1 = \$63 -> \$73  
\$19FB = \$63 -> \$73  
\$1A05 = \$63 -> \$73  
\$1A0D = \$63 -> \$73  
\$1A12 = \$63 -> \$73  
\$1A1B = \$63 -> \$73  
\$1A23 = \$63 -> \$73  
\$1A42 = \$63 -> \$73  
\$1A9E = \$63 -> \$73  
\$1AA5 = \$63 -> \$73  
\$1AAC = \$63 -> \$73  
\$1AB3 = \$63 -> \$73  
\$1ABA = \$63 -> \$73  
\$1AC1 = \$63 -> \$73  
\$1AC8 = \$63 -> \$73  
\$1ACE = \$63 -> \$73  
\$1AD3 = \$63 -> \$73  
\$1AD8 = \$63 -> \$73  
\$1B13 = \$63 -> \$73  
\$1B2F = \$63 -> \$73  
\$1B45 = \$63 -> \$73  
\$1B5B = \$63 -> \$73  
\$1B7F = \$63 -> \$73  
\$1B99 = \$63 -> \$73  
\$1B9F = \$63 -> \$73  
\$1C0A = \$63 -> \$73  
\$1C12 = \$63 -> \$73  
\$1C24 = \$63 -> \$73  
\$1C27 = \$63 -> \$73  
\$1C2D = \$63 -> \$73  
\$1C32 = \$63 -> \$73  
\$1C37 = \$63 -> \$73  
\$1C3E = \$63 -> \$73  
\$1C43 = \$63 -> \$73  
\$1C63 = \$63 -> \$73  
\$1C69 = \$63 -> \$73

\$1C6F = \$63 -> \$73  
\$1C74 = \$63 -> \$73  
\$1CCA = \$63 -> \$73  
\$1CD8 = \$63 -> \$73  
\$1CEB = \$63 -> \$73  
\$1D5B = \$63 -> \$73  
\$1D63 = \$63 -> \$73  
\$1D74 = \$63 -> \$73  
\$1D79 = \$63 -> \$73  
\$1DCD = \$63 -> \$73  
\$1DD7 = \$63 -> \$73  
\$1DDF = \$63 -> \$73  
\$1DFE = \$63 -> \$73  
\$1E09 = \$63 -> \$73  
\$1E14 = \$63 -> \$73  
\$1E1A = \$63 -> \$73  
\$1E1E = \$63 -> \$73  
\$1E30 = \$63 -> \$73  
\$1E38 = \$63 -> \$73  
\$1E3C = \$63 -> \$73  
\$1E3F = \$63 -> \$73  
\$1E44 = \$63 -> \$73  
\$1E49 = \$63 -> \$73  
\$1EA5 = \$63 -> \$73  
\$1EAF = \$63 -> \$73  
\$1EB8 = \$63 -> \$73  
\$1ECC = \$63 -> \$73  
\$1EEF = \$63 -> \$73  
\$1EF4 = \$63 -> \$73  
\$1F13 = \$63 -> \$73  
\$1F65 = \$63 -> \$73  
\$1FA5 = \$63 -> \$73  
\$1FA9 = \$63 -> \$73