

# Sega Mega Drive/Memory map

Start address	End address	Description	32X SH-2 address
\$000000	\$3FFFFFF	Cartridge ROM/RAM	\$2000000-\$23FFFFFF
\$400000	\$7FFFFFF	Reserved (used by the Mega-CD and 32X)	
\$800000	\$9FFFFFF	Reserved (used by the 32X)	
\$840000	\$85FFFF	32X frame buffer	
\$860000	\$87FFFF	32X frame buffer overwrite mode	\$4020000-\$403FFFF
\$880000	\$8FFFFFF	32X cartridge ROM (first 512kB bank only)	
\$900000	\$9FFFFFF	32X cartridge bankswitched ROM (any 512kB bank, controlled by 32X registers)	
\$A00000	\$A0FFFF	Z80 memory space	
\$A10000	\$A10001	Version register	
\$A10002	\$A10003	Controller 1 data	
\$A10004	\$A10005	Controller 2 data	
\$A10006	\$A10007	Expansion port data	
\$A10008	\$A10009	Controller 1 control	
\$A1000A	\$A1000B	Controller 2 control	
\$A1000C	\$A1000D	Expansion port control	
\$A1000E	\$A1000F	Controller 1 serial transmit	
\$A10010	\$A10011	Controller 1 serial receive	
\$A10012	\$A10013	Controller 1 serial control	
\$A10014	\$A10015	Controller 2 serial transmit	
\$A10016	\$A10017	Controller 2 serial receive	

