

# **\*\*\*\*\*Retroarch Cores & Bios Files Needed For NES And SNES Classic\*\*\*\*\***

**Some BIOS are optional. But, they are always recommended.**

**Due to the legal grey area, as far as BIOS are concerned, they cannot be provided for the Cores**

**Testing Credits: KMFDManic, AntiFly, and Libretro**

**Advisory: KMFDManic**

**PDF Implementation: Justme488**

| Retroarch Core                                      | Systems   | BIOS Files  | Ext.  |
|---|---|---|---|
| (Arcade Cores)<br>km_fbalpha****<br>km_mame****     | Capcom CPS-1<br>Capcom CPS-2<br>Capcom CPS-3<br>Konami<br>Neo-Geo<br>Neo-Geo CD<br>ETC. | qsound.zip (CPS2)<br>neogeo.zip (version varies - old, new, uni)<br>specific ones, otherwise, such as konamigx, pgm, etc, as needed!<br><b>FBA 2016 uses neocdz.zip for Neo-Geo CD!</b><br><b>(7z Supported on all except MAME 2000/2003/FBA 2012 CPS1/CPS2/CPS3/NEOGEO)</b>  | .zip<br>.7z   |
| km_4do<br><br>"Slow Core"                           | Panasonic 3DO   | panafz10.bin (Panasonic FZ-10)  | .iso<br>.bin<br>.chd<br>.cue  |
| km_atari800   | Atari 400<br>Atari 800<br>Atari 600 XL<br>Atari 800XL<br>Atari 130XE<br>Atari 5200      | ATARIOSB.ROM (Atari 400/800 NTSC)<br>ATARIOSA.ROM (Atari 400/800 PAL)<br>ATARIBAS.ROM (BASIC interpreter)<br>ATARIXL.ROM (Atari XL/XE OS)<br>5200.rom (Atari 5200)  | .xfd<br>.atr<br>.atx<br>.cdm<br>.cas<br>.bin<br>.a52<br>.xex<br>.zip      |
| km_bluemsx  | Microsoft MSX<br>Microsoft MSX2<br>ColecoVision<br>Sega – SG-1000                       | You can download the<br><b>'Databases' and 'Machines'</b> folders from an<br><a href="#">official full standalone blueMSX emulator installation</a><br><br>Move/Copy the 'Databases' and 'Machines' Folders to RetroArch's System directory.  | .rom<br>.ri<br>.mx1<br>.mx2<br>.col<br>.dsk<br>.cas<br>.sg<br>.sc<br>.m3u |
| km_bsnes_mercury_<br>performance<br><br>"Slow Core" | SNES<br>Super Game Boy  | dsp1.data.rom<br>dsp1.program.rom<br>dsp1b.data.rom<br>dsp1b.program.rom<br>dsp2.data.rom<br>dsp2.program.rom<br>dsp3.data.rom<br>dsp3.program.rom<br>dsp4.data.rom<br>sgb.boot.rom (Super Game Boy)<br><br>dsp4.program.rom<br>cx4.data.rom<br>st010.data.rom<br>st010.program.rom<br>st011.data.rom<br>st011.program.rom<br>st018.data.rom<br>st018.program.rom | .sfc<br>.smc<br>.bml  |
| km_fmsx   | Microsoft MSX<br>Microsoft MSX2   | MSX.ROM (MSX BIOS)<br>MSX2.ROM (MSX2 BIOS)<br>MSX2EXT.ROM (MSX2 ExtROM)<br>MSX2P.ROM (MSX2+ BIOS)<br>MSX2PEXT.ROM (MSX2+ ExtROM)  | .rom<br>.msx1<br>.msx2<br>.dsk<br>.cas                                    |

| Retroarch Core     | Systems   | BIOS Files  | Ext.  |
|--------------------|---|---|---|
| km_freechaf        | Fairchild Channel F   | sl31253.bin<br>sl31254.bin<br>sl90025.bin   | .bin  |
| km_freeint         | Mattel Intellivision  | Ecs.bin (Entertainment Computer System ROM)<br>exec.bin (Executive ROM)<br>grom.bin (Graphics ROM)<br>intellivoice.int (Intellivision)  | .int<br>.rom<br>.bin  |
| km_genesis_plus_gx | Sega Game Gear<br>Sega Master System<br>Sega CD<br>Sega Mega Drive<br>Sega Genesis<br>Sega PICO<br>Sega SG-1000 | bios_MD.bin (MegaDrive TMSS startup ROM)<br>bios_CD_E.bin (MegaCD EU BIOS)<br>bios_CD_U.bin (SegaCD US BIOS)<br>bios_CD_J.bin (MegaCD JP BIOS)<br>bios_E.sms (MasterSystem EU BIOS)<br>bios_U.sms (MasterSystem US BIOS)<br>bios_J.sms (MasterSystem JP BIOS)<br>bios.gg (GameGear BIOS)<br>sk.bin (Sonic & Knuckles ROM) (lock-on)<br>sk2chip.bin (Sonic & Knuckles UPMEM ROM) (lock-on)<br>areplay.bin (Action Replay ROM) (lock-on)<br>ggenie.bin (Game Genie ROM) (lock-on) | .mdx<br>.md<br>.smd<br>.gen<br>.bin<br>.cue<br>.iso<br>.sms<br>.gg<br>.sg<br>.68k<br>.chd |
| km_gpsp            | Game Boy Advance  | gba_bios.bin (Game Boy Advance)   | .gba<br>.bin  |
| km_handy           | Atari Lynx  | lynxboot.img (Lynx Boot Image)  | .lnx  |
| km_hatari          | Atari<br>ST/STE/TT/Falcon   | tos.img (TOS Boot Image)  | .st<br>.msa<br>.zip<br>.stx<br>.dim<br>.ipf   |

| Retroarch Core                    | Systems   | BIOS Files   | Ext.   |
|-----------------------------------|---|--|--|
| km_np2<br>km_np2kai               | NEC – PC - 98<br>(Neko Project II Kai)                | All Files Go in “np2” Folder<br><b>Example: etc/libretro/system/np2/font.bmp</b><br><br>2608_bd.wav<br>2608_hh.wav<br>2608_rim.wav<br>2608_sd.wav<br>2608_tom.wav<br>2608_top.wav<br>bios.rom<br>font.bmp<br>FONT.ROM<br>itf.rom<br>np2.cfg<br>sound.rom | .D98<br>.xdf<br>.zip<br>.dup<br>.98d<br>.cmd<br>.fdi<br>.hdi<br>.fdd<br>.thd<br>.2hd<br>.nhd<br>.tfd<br>.hdd<br>.d88<br>.hdn<br>.hdm<br>.88d |
| km_o2em                           | Magnavox-Odyssey2<br>Phillips Videopac+               | c52.bin (Videopac+ French BIOS - G7000 model)<br>g7400.bin (Videopac+ European BIOS - G7400 model)<br>jopac.bin (Videopac+ French BIOS)<br>o2rom.bin (Odyssey2 BIOS - G7000 model)   | .bin   |
| km_mednafen_pcfx<br>“Slow Core”   | NEC PC-FX   | pcfx.rom (PC-FX BIOS)  | .cue<br>.ccd<br>.toc<br>.chd   |
| km_mednafen_pce_fast              | PC-Engine<br>Turbografx-16<br>PCE-CD<br>Turbografx-CD | gexpress.pce (Game Express CD Card)<br>syscard3.pce (Super CD-ROM2 System V3.xx)   | .pce<br>.cue<br>.ccd<br>.iso<br>.img<br>.bin<br>.chd   |
| km_mednafen_saturn<br>“Slow Core” | Sega Saturn   | mpr-17933.bin<br>sega_101.bin  | .bin<br>.cue<br>.is  |
| km_mgba                           | Game Boy<br>Game Boy Color<br>Game Boy Advance        | gb_bios.bin (Game Boy)<br>gbc_bios.bin (Game Boy Color)<br>gba_bios.bin (Game Boy Advance)   | .gb<br>.gbc<br>.gba  |
| km_neocd2018                      | Neo-Geo CD  | All Files Go in “neocd” Folder<br><b>Example: etc/libretro/system/neocd/neocd_z.rom</b><br><br>neocd_z.rom<br>ng-lo.rom  | .Cue<br>+<br>.flac<br><br>.ogg   |

| Retroarch Core    | Systems   | BIOS Files  | Ext.  |
|-------------------|---|---|---|
| km_picodrive      | Sega Master System<br>Sega CD<br>Sega Genesis<br>Sega Mega Drive<br>Sega PICO<br>Sega 32X | bios_CD_E.bin (MegaCD EU BIOS)<br>bios_CD_U.bin (SegaCD US BIOS)<br>bios_CD_J.bin (MegaCD JP BIOS)  | .bin<br>.cso<br>.gen<br>.smd<br>.md<br>.32x<br>.cue<br>.iso<br>.sms<br>.68k                   |
| km_pokemini       | Pokemon Mini  | bios.min  | .min  |
| km_puae_xtreme    | Commodore Amiga   | kick31.rom<br>WHDLoad.hdf (containing kick34005.A500, kick37175.A500, kick40068.A1200, and kick33180.A500)<br>Direct Load feature, additionally, requires kick34005.A500, kick40063.A600, and kick40068.A1200, in system.                         | <b>Disk Image</b><br>.adf<br>.dms<br>.fdi<br>.ipf<br>.zip<br><b>HDD image</b><br>.hdf<br>.hdz |
| km_px68k          | Sharp - X68000  | All Files Go in "keropi" Folder<br><b>Example: etc/libretro/system/keropi/iplrom.dat</b><br><br>keropi/iplrom.dat (X68000 BIOS)<br>keropi/cgrom.dat (Font file)   | .dim<br>.m3u<br>.zip<br>.cmd<br>.img<br>.hdf<br>.d88<br>.xdf<br>.88d<br>.2hd<br>.hdm<br>.dup  |
| km_reicast_xtreme | Sega Dreamcast  | All Files Go in "dc" Folder<br><b>Example: etc/libretro/system/dc/dc_boot.bin</b><br>dc_boot.bin (Dreamcast BIOS)<br>dc_flash.bin (Dreamcast Date/Time/Language)<br>naomi_boot.bin (Atomiswave, Naomi)<br>naomi.zip (limited direct MAME loading) | .cdi<br>.gdi<br>.chd<br>.cue  |
| km_retroarch      | Famicom Disk System   | disksys.rom (Family Computer Disk System BIOS)  | .7z<br>.fds<br>.nes<br>.z   |

| Retroarch Core                | Systems                             | BIOS Files   | Ext.  |
|-------------------------------|-------------------------------------|--|---|
| km_snes9x_*                   | SNES<br>Sufami Turbo<br>Satellaview | BS-X.bin (BS-X Satellaview)<br>STBIOS.bin (Sufami Turbo)   | .smc<br>.sfc<br>.swc<br>.bs<br>.f   |
| km_snes9x2016_<br>bright      | SNES<br>Sufami Turbo<br>Satellaview | BS-X.bin (BS-X Satellaview)<br>STBIOS.bin (Sufami Turbo)<br>cx4.bin, dsp1.bin, dsp1b.bin, dsp2.bin, dsp3.bin,<br>dsp4.bin, snes_custom_4tap.bin,<br>snes_custom_8tap.bin, st0010.bin, st0011.bin | .smc<br>.sfc<br>.swc<br>.bs<br>.fig   |
| km_uae4arm                    | Commodore Amiga                     | kick31.rom<br>WHDLload.hdf (containing kick34005.A500,<br>kick37175.A500, kick40068.A1200, and<br>kick33180.A500)  | <b>Disk Image</b><br>.adf<br>.dms<br>.fdi<br>.ipf<br>.zip<br><b>HDD image</b><br>.hdf<br>.hdz |
| km_yabause<br><br>"Slow Core" | Sega Saturn                         | saturn_bios.bin (Saturn BIOS)  | .bin<br>.cue<br>.iso  |

[To see videos about the various cores, please visit:](#)

[\*\*Kyland K AKA KMFDManic's YouTube Channel\*\*](#)

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