Othello Multivision

The Othello Multivision (オセロマルチビジョン) is a licensed SG-1000 clone designed by Sega and sold by Tsukuda Original. It exists because Sega's original intention for the SC-3000 computer was to allow other manufacturers to produce compatible computers in the hope of having a worldwide standard. Unfortunately, possibly with the emergence of the MSX, this tactic failed, and very few SG-1000/SC-3000 compatible machines were produced. The Othello Multivision was one of these machines.

This system scrapes metadata for the “multivision” group and loads the `multivision` set from the currently selected theme, if available.



Quick reference

- **Emulator:** RetroArch
- **Core:** libretro: GenesisPlusGX
- **Folder:** `/userdata/roms/multivision`
- **Accepted ROM formats:** `.bin`, `.sg`, `.zip`, `.7z`

BIOS

No Multivision emulator in Batocera needs a BIOS file to run.

ROMs

Place your Multivision ROMs in `/userdata/roms/multivision`.

Emulators

RetroArch

RetroArch (formerly SSNES), is a ubiquitous frontend that can run multiple “cores”, which are essentially the emulators themselves. The most common cores use the libretro API, so that's why cores run in RetroArch in Batocera are referred to as “libretro: (core name)”. RetroArch aims to unify the feature set of all libretro cores and offer a universal, familiar interface independent of platform.

RetroArch configuration

RetroArch offers a **Quick Menu** accessed by pressing `[HOTKEY]` +  which can be used to alter various things like RetroArch and core options, and controller mapping. Most RetroArch related settings can be altered from Batocera's EmulationStation.

Standardized features available to all libretro cores: `sg1000.videomode`, `sg1000.ratio`, `sg1000.smooth`, `sg1000.shaders`, `sg1000.pixel_perfect`, `sg1000.decoration`, `sg1000.game_translation`

ES setting name `batocera.conf_key`	**Description ⇒ ES option `key_value`**
Settings that apply to all cores of this emulator	
GRAPHICS BACKEND `sg1000.gfxbackend`	Choose your graphics rendering ⇒ OpenGL `opengl`, Vulkan `vulkan`.
AUDIO LATENCY `sg1000.audio_latency`	Audio latency in milliseconds, turn it up if you hear crackles ⇒ 256 256, 192 192, 128 128, 64 64, 32 32, 16 16, 8 8.
THREADED VIDEO `sg1000.video_threaded`	Improves performance at the cost of latency and more video stuttering. Use only if full speed cannot be obtained otherwise. ⇒ On `true`, Off `false`.

libretro: GenesisPlusGX

libretro: GenesisPlusGX configuration

ES setting name `batocera.conf_key`	**Description ⇒ ES option `key_value`**
Settings that apply to all systems this core supports	
REDUCE SPRITE FLICKERING `global.gpgx_no_sprite_limit`	Reduce sprite flickering when enabled ⇒ Off `disabled`, On `enabled`.
Settings specific to megadrive	
NTSC FILTER `megadrive.gpgx_blargg_filter_md`	Enable blargg NTSC video filters ⇒ Off `False`, Composite (color bleeding + artifacts) `composite`, SVideo (color bleeding only) `svideo`, RGB (crisp image) `rgb`.

ES setting name batocera.conf_key	Description ⇒ ES option key_value
SHOW LIGHTGUN CROSSHAIR megadrive.gun_cursor_md	Shows crosshairs for Menacer and Justifiers devices ⇒ Off disabled, On enabled.
CONTROLLER 1 TYPE megadrive.controller1_md	Select 3 or 6 button controller, mouse or Multitap ⇒ Joypad Auto 1, Joypad 3 Button 257, Joypad 6 Button 513, Joypad 3 Button + 4-WayPlay 1025, Joypad 6 Button + 4-WayPlay 1281, Joypad 3 Button + Teamplayer 1537, Joypad 6 Button + Teamplayer 1793, Mouse 2.
CONTROLLER 2 TYPE megadrive.controller2_md	Select controller, Multitap, mouse or Gun ⇒ Joypad Auto 1, Joypad 3 Button 257, Joypad 6 Button 513, Joypad 3 Button + 4-WayPlay 1025, Joypad 6 Button + 4-WayPlay 1281, Joypad 3 Button + Teamplayer 1537, Joypad 6 Button + Teamplayer 1793, Mouse 2, Menacer Light Gun 516, Konami Justifiers 772.
Settings specific to mastersystem	
NTSC FILTER mastersystem.gpgx_blargg_filter_ms	Enable blargg NTSC video filters ⇒ Off False, Composite (color bleeding + artifacts) composite, SVideo (color bleeding only) svideo, RGB (crisp image) rgb.
FM CHIP (YM2413) mastersystem.ym2413	Enhanced sound output support for compatible games ⇒ Autodetect automatic, Off disabled, On (forced) enabled.
SHOW LIGHTGUN CROSSHAIR mastersystem.gun_cursor_ms	Shows crosshairs for Light Phaser device ⇒ Off disabled, On enabled.
CONTROLLER 1 TYPE mastersystem.controller1_ms	Select 2 button controller, Lightgun or Multitap ⇒ Joypad 2 Button 769, Joypad 2 Button + Master Tap 2049, Light Phaser 260, Paddle Control 261.
CONTROLLER 2 TYPE mastersystem.controller2_ms	Select 2 button controller, Lightgun or Multitap ⇒ Joypad 2 Button 769, Joypad 2 Button + Master Tap 2049, Light Phaser 260, Paddle Control 261.
Settings specific to gamegear	
LCD GHOSTING FILTER gamegear.lcd_filter	Simulate LCD ghosting effects ⇒ Off disabled, On enabled.
EXTENDED SCREEN gamegear.gg_extra	Extend the game screen area like on a Master System ⇒ Off disabled, On enabled.

Controls

Troubleshooting

Further troubleshooting

For further troubleshooting, refer to the generic support pages.

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