

This article needs some TLC. Read at your own risk.



MSX1

The MSX1 is a computer developed by Microsoft. It was released in 1983.

This system scrapes metadata for the “msx” group(s) and loads the msx1 set from the currently selected theme, if available.

Grouped with the “msx” group of systems.



Quick reference

- **Accepted ROM formats:** .dsk, .mx1, .rom, .zip, .7z, .cas, .m3u
- **Folder:** /userdata/roms/msx1

Emulators
libretro: bluemsx
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openmsx
CLK

BIOS

- BlueMSX (DEFAULT): Download the BlueMSX standalone version, available at http://bluemsx.msxblue.com/rel_download/blueMSXv282full.zip, then extract the “Databases” and “Machines” folders and add them to the /userdata/bios folder.
- FMSX: Requires the following files (available with fmsx distribution), in the /userdata/bios folder:

```
CARTS.SHA
CYRILLIC.FNT
DISK.ROM
FMPAC.ROM
FMPAC16.ROM
ITALIC.FNT
KANJI.ROM
MSX.ROM
MSX2.ROM
MSX2EXT.ROM
MSX2P.ROM
MSX2PEXT.ROM
```

MSXD0S2.ROM
PAINTER.ROM
RS232.ROM

CLK requires the following BIOS files:

MD5 checksum	Share file path	Description
364a1a579fe5cb8dba54519bcfcdac0d	bios/MSX/msx.rom	Generic MSX BIOS
6f69cc8b5ed761b03afd78000dfb0e19	bios/MSX/fmpac.rom	FM-PAC ROM

Except the case, these two files should be identical to the ones you get for FMSX.

ROMs

Place your MSX1 ROMs in /userdata/roms/msx1.

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: msx1.videomode, msx1.videomode, msx1.ratio, msx1.shaderset, msx1.smooth, msx1.integerscale, msx1.bezel, msx1.bezel_stretch, msx1.hud, msx1.bezel.tattoo, msx1.bezel.tattoo_corner, msx1.bezel.tattoo_file, msx1.bezel.resize_tattoo, msx1.ai_service_enabled, msx1.ai_target_lang, msx1.ai_service_url, msx1.ai_service_pause, msx1.runahead, msx1.secondinstance, msx1.video_frame_delay_auto, msx1.vrr_runloop_enable, msx1.video_threaded

ES setting name batocera.conf_key	Description ⇒ ES option key_value
Settings that apply to all cores of this emulator	
GRAPHICS API msx1.gfxbackend	Choose which graphics API library to use. Vulkan may not work for every core. ⇒ OpenGL gl, GLCore glcore, Vulkan vulkan.

ES setting name batocera.conf_key	Description ⇒ ES option key_value
AUDIO LATENCY msx1.audio_latency	In milliseconds. Can reduce crackling/cutting out. ⇒ 256 256, 192 192, 128 128, 64 64, 32 32, 16 16, 8 8.
ALLOW ROTATION msx1.video_allow_rotate	Allow cores to set rotation. ⇒ On true, Off false.
CONTROLLER TO LIGHT GUN msx1.lightgun_map	Map controller inputs to light gun inputs. ⇒ On true, Off false.

libretro: bluemsx

libretro: bluemsx configuration

[blueMSX](#) is a cycle-accurate, [open-source](#) MSX/SVI/ColecoVision/SG-1000 emulator with high compatibility. This is the [libretro port](#) of it.

Standardized features for this core: msx1.rewind, msx1.autosave, msx1.padtokeyboard, msx1.cheevos

ES setting name batocera.conf_key	Description ⇒ ES option key_value
Settings that apply to all systems this core supports	
REDUCE SPRITE FLICKERING global.bluemsx_nospritelimits	Enhancement. Remove the four sprites per line limit. ⇒ Off False, On True.

libretro: fmsx

libretro: fmsx configuration

Standardized features for this core: msx1.rewind, msx1.autosave, msx1.netplay, msx1.cheevos

openmsx

openmsx configuration

Standardized features available to all cores of this emulator: msx1.videomode, msx1.padtokeyboard, msx1.videomode, msx1.bezel, msx1.bezel_stretch, msx1.hud, msx1.bezel.tattoo, msx1.bezel.tattoo_corner, msx1.bezel.tattoo_file, msx1.bezel.resize_tattoo

CLK

[CLK aka Clock Signal](#) is a multi-system emulator that is focused on low-latency emulation, that can be used for MSX1. CLK has been added to Batocera 42.

Controls

Here are the default MSX1's controls shown on a [Batocera RetroPad](#):



Troubleshooting

Further troubleshooting

For further troubleshooting, refer to the [generic support pages](#).

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