





Sharp MZ-2000



The  [Sharp MZ-2000](#) is a home/business computer manufactured by  [Sharp](#), released in 1982 in Japan. It belongs to the MZ-80B lineage (the business/higher-end line of Sharp's MZ series) and is the direct successor to the  [MZ-80B](#) (1981).

The MZ-2000 features a Sharp LH0080A ( [Z80A](#)-compatible) CPU at 4 MHz, 64 KB RAM, 16 KB VRAM, and a built-in 9-inch green phosphor CRT monitor displaying **640x200 pixels monochrome** — quite sharp for 1982 and well-suited for business applications. An optional color expansion board provides 8 colors at 640x200 or 320x200, but requires an external RGB monitor. Sound is a basic single-channel beeper. Storage includes a built-in cassette tape interface and optional 5.25-inch or 3.5-inch floppy disk drives.

Like all MZ series computers, the MZ-2000 follows the **“clean computer” philosophy** — only a minimal IPL (Initial Program Loader) in ROM. BASIC, CP/M, and other software must be loaded from tape or disk. Multiple BASIC interpreters were available (Sharp BASIC, S-BASIC, Hu-BASIC, etc.).

The closely related **MZ-2200** (1983) is essentially a refined/cost-reduced variant of the MZ-2000, sharing the same architecture. The MZ-2000 was succeeded by the [MZ-2500 "Super MZ"](#) (1985), which added color graphics, FM sound, 256 KB RAM, and full backwards compatibility with MZ-2000 software.

This system scrapes metadata for the “mz2000” group(s) and loads the mz2000 set from the currently selected theme, if available.

Quick reference

- **Emulator:** [MAME](#), [RetroArch](#)
- **Core:** [MAME](#), [libretro: MAME](#)
- **Folder:** /userdata/roms/mz2000
- **Accepted ROM formats:** .mzf, .mzt, .m12, .wav, .d88, .dsk, .zip, .7z

BIOS

MD5 checksum	Share file path	Description
	bios/mz2000.zip → mz20ipl.bin	IPL (Initial Program Loader) ROM
	bios/mz2000.zip → font.bin	Character font ROM





The `mz2000.zip` BIOS file must match the version of MAME used in your version of Batocera. You can verify your BIOS files from the Batocera menu: **GAME SETTINGS > MISSING BIOS CHECK.**

ROMs

Place your Sharp MZ-2000 ROMs in `/userdata/roms/mz2000`.

Software was distributed on cassette tapes (`.mzf`, `.mzt`) and floppy disks (`.d88`, `.dsk`). Using MAME's software list mode is recommended for best compatibility.

Emulators


MAME

[MAME](#) (Multiple Arcade Machine Emulator) is the primary emulator for the MZ-2000 in Batocera.

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.

libretro: MAME

The libretro version of MAME can be used to emulate the MZ-2000. It uses the same BIOS and ROM sets as the standalone version.

Controls

The Sharp MZ-2000 is a computer system with a full-stroke **keyboard** (JIS layout). A physical USB keyboard is strongly recommended.

See also

- [Sharp MZ-80K](#) — the original MZ series computer (1978)
- [Sharp MZ-700](#) — consumer MZ line with color (1982)
- [Sharp MZ-800](#) — MZ-700 successor with enhanced graphics (1984)
- [Sharp MZ-2500](#) — successor, the “Super MZ” (1985)

Troubleshooting

Black screen on boot

Make sure the BIOS file (mz2000.zip) is in /userdata/bios/ and matches the MAME version. Use **GAME SETTINGS > MISSING BIOS CHECK** to verify.

Further troubleshooting

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

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