

Cannonball

Cannonball is a complete rewrite of [Sega Out Run](#) arcade racer, features several enhancements to the original game: higher frame rate at 60 FPS, higher resolution, sprite scaling, wide screen support, new game modes and so on.



Cannonball and all its features have been integrated into Batocera, if you choose to use it.



Most users will be fine with the arcade and console versions of OutRun, so by default, Cannonball is disabled.

To enable it, go to `/userdata/roms/cannonball/` or `\SHARE\roms\cannonball\` from the SMB network and rename the file `Cannonball.cannonball.disabled` into `Cannonball.cannonball`.

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

Grouped with the “ports” group of systems.

Quick reference

- **Emulator:** [Cannonball](#)
- **Folder:** `/userdata/roms/cannonball`
- **Accepted ROM formats:** `.cannonball`

BIOS

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

ROMs

Place your Cannonball ROMs in `/userdata/roms/cannonball`.

Add MAME's “OutRun rev. B” ROMs (`epr-10187.88`, `epr-10327a.76`, etc.) in this directory and rename `Cannonball.cannonball.disabled` to `Cannonball.cannonball`.

Cannonball requires the original Outrun ROM Revision B files to play the game. Contrary to MAME or FBNeo, you need to unzip the ROM files in the `roms/cannonball/` folder. The list of ROM files required is [available from this link](#) on Cannonball's Github.

Several ROM zip files can be used to extract the OutRun data files. Make sure yours in one of following (using the command `md5sum outrun.zip` or `md5sum cannonball.zip`):

md5 hash	File name
fe803998a14837227be83d0f30f29a23	outrun.zip
dbf3c379a3664d9c920cada5dc4cdc23	outrun.zip
a7060972e1cb854c111a435cc965cf29	cannonball.zip

Emulators

Cannonball

Cannonball configuration

Standardized features available to all cores of this emulator: `cannonball.videomode`, `cannonball.ratio`

ES setting name batocera.conf_key	Description ⇒ ES option key_value
HIGH RESOLUTION <code>cannonball.highResolution</code>	Increases the video resolution to Hi Resolution ⇒ Off 0, On 1.

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



Troubleshooting

Further troubleshooting

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

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