

There are some important moments in assembly of custom PS2 HL ISOs.

First one is that music would freak out if proper boot data (PS2 logo) from original PS2 HL disc is missing. Second problem is that Open PS2 Loader supports only MODE1 CD images so you need resulting ISO to be exactly in that format.

IMGBurn supports creating and ripping only of MODE1 CD ISOs. But if you try to assemble PS2 HL ISO directly with this utility it would not work at all.

On the other hand UltraISO utility would make correct PS2 CD ISO but it would be MODE2.

So my solution on those problems looks like that:

- 1) Create new PS2 HL ISO with UltraISO (File->New->PS2 CD image, File->Save as ...).
- 2) Mount that ISO with Daemon tools (or other similar program).
- 3) Start IMGBurn, choose "Create image from disc" option, select virtual drive with mounted image
- 4) This step is important. Press folder icon at "Destination" field and choose \*.ISO as output format.
- 5) Press "Read" button. "Failed to outsmart me you have" dialog should appear, press yes.
- 6) Now we have proper MODE1 ISO. The last thing we need to is to restore boot data. To do it you need to rip ISO from original PS2 HL disc just like it was done on steps 3-5
- 7) Open both ISOs in hex editor. Copy first 34816 (0x8800) bytes from original PS2 HL ISO and do "paste with overwrite" in newly made ISO. Save changes.
- 8) Now you should have MODE1 PS2 HL ISO with proper boot data (and thus with working music).