



# DOOM

Emulator	ROM Folder	Extension	BIOS	Config
lr-prboom	/userdata/roms/prboom	.wad	prboom.wad	/userdata/saves/prboom/[DOOM-EPISODE]/prboom.cfg

Batocera is shipped with the SHAREWARE version of Doom. So you can play Episode 1 of this insane 3rd person shooter from 1993.

When adding .wad files, make sure you put the filenames in lowercase. Uppercase .WAD won't work.

## Wiggle Fix

On some ARM platforms floor and ceilings got some disturbtive graphics output. Disabling it completely gets rid of the effect. This screenshot illustrates the problem at full effect! This is due to some fix for texture "vibrations" (not exactly the same issue as the wiggle but triggered with the same option) the fix was backported from prboom-plus but it seems it's causing trouble in some platforms.



**So how to fix?** Start PRBOOM → Options → General → 3rd page Whiggle fix → No

**Another method?** Yes, navigate to /userdata/saves/prboom/[D00M-EPISODE]/prboom.cfg and search Video Section for *r\_wiggle\_fix* and disable it.

```
## Video settings
#screenblocks 0
#usegamma 0
#uncapped_framerate 3
#filter_wall 1
#filter_floor 1
#filter_sprite 1
#filter_z 1
#filter_patch 1
```

```
#filter_threshold      49152
#sprite_edges         0
#patch_edges          0
#render_stretchsky    1
r_wiggle_fix          0
```

## Add Additional WADs (PWADs)

General: IWAD = Internal Where's All the Data and PWAD = Patch Where's All the Data.

So in general IWADs are standalone files and can be started by themselves. They MUST NOT be renamed.

Known IWADs so far:

GAME NAME	WAD NAME	md5
Doom v1.9	doom.wad	cd63c5ddff1bf8ce844237f580e9cf3
Doom - TNT Evilution v1.9	tnt.wad	4e158d9953c79ccf97bd0663244cc6b6
Doom 2 Hell on Earth v1.9	doom2.wad	25e1459ca71d321525f84628f45ca8cd
Doom 2 - Plutonia Experiment	plutonia.wad	75c8cf89566741fa9d22447604053bd7
Ultimate Doom	doomu.wad	c4fe9fd920207691a9f493668e0a2083
FreeDoom Part1 (Doom Ultimate free plot)	freedom1.wad	91DE79621A393A08C39A9AB2C034B766
FreeDoom Part2 (Doom2 free plot)	freedom2.wad	DD9C9E73F5F50D3778C85573CD08D9A4

PWADs can be renamed. Some example of known PWADs:

GAME NAME	(P)WAD NAME	IWAD ASSOCIATED	MD5
Doom 1 Episode 5 - SIGIL free on <a href="https://romero.com/">https://romero.com/</a>	SIGIL_v1_21.WAD	doom1.wad	743d6323cb2b9be24c258ff0fc350883
Doom 2 - No Rest for the Living	nerve.wad	doom2.wad	967D5AE23DAF45196212AE1B605DA3B0
Goldeneye 007	goldeneye.wad	doom2.wad	EF1E338364A1196533635698AF997A94

## File Management

I suggest creating multiple folders for each IWAD like :

```
roms\prboom\Doom
roms\prboom\Doom 2
roms\prboom\Doom Ultimate
...
```

In each of these folder, just put the IWAD associated in it.

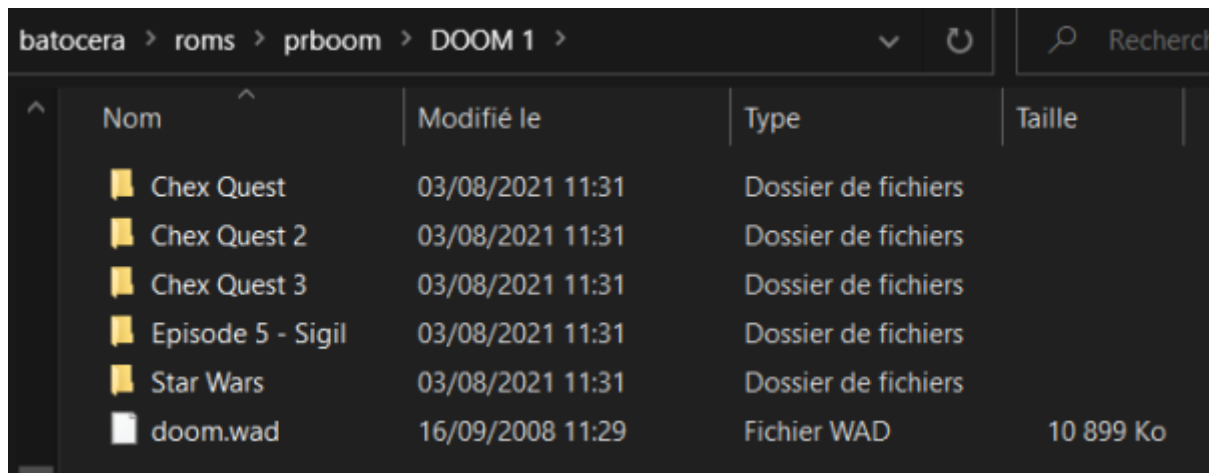
```
roms\prboom\Doom\doom.wad
```

```
roms\prboom\Doom 2\doom2.wad
roms\prboom\Doom Ultimate\doomu.wad
...
```

Now if you are going to use some mods and PWAD, just do a folder in the associated IWAD. For example:

```
roms\prboom\Doom\doom.wad
roms\prboom\Doom\Chex Quest\CHEX.wad
roms\prboom\Doom\Episode 5 - Sigil\SIGIL_v1_21.wad
...
```

That way, PWADs will use the main IWAD file in their parent folder.



## Tweaking options

PrBoom allows to use a `prboom.cfg` file to apply to games recursively.

So if you put a `prboom.cfg` in `\roms\prboom\prboom.cfg`, it will apply to every game in `roms\prboom\` and subfolders.

For example, I noticed that most WAD mods have a too low brightness. In order to fix that, you can create a `prboom.cfg` file with `Video→usegamma 0/1/2/3/4`.

```
# Doom config file
#
# Format:
# variable value
#
# Lines starting with '#' are comments
# When saved, default values are commented out

## Misc settings
#default_compatibility_level -1
#menu_background 1
#max_player_corpse 32
#flashing_hom 0
```

```
#demo_insurance          2
#level_precache          0
#demo_smoothturns       0
#demo_smoothturnsfactor 6

## Files
#wadfile_1              ""
#wadfile_2              ""
#wadfile_3              ""
#wadfile_4              ""
#wadfile_5              ""
#wadfile_6              ""
#wadfile_7              ""
#wadfile_8              ""
#dehfile_1              ""
#dehfile_2              ""

## Game settings
#default_skill          3
#weapon_recoil          0
#doom_weapon_toggles   1
#player_bobbing         1
#monsters_remember     1
#monster_infighting     1
#monster_backing        0
#monster_avoid_hazards  1
#monkeys                0
#monster_friction       1
#help_friends           1
#allow_pushers          1
#variable_friction      1
#sts_always_red         1
#sts_pct_always_gray    0
#sts_traditional_keys   0
#show_messages         1
#autorun                0

## Compatibility settings
#comp_zombie            0
#comp_infcheat          0
#comp_stairs            0
#comp_telefrag          0
#comp_dropoff           0
#comp_falloff           0
#comp_staylift          0
#comp_doorstuck         0
#comp_pursuit           0
#comp_vile              0
#comp_pain              0
#comp_skull             0
#comp_blazing           0
```

```
#comp_doorlight      0
#comp_god             0
#comp_skymap         0
#comp_floors         0
#comp_model          0
#comp_zerotags       0
#comp_moveblock      0
#comp_sound          0
#comp_666            0
#comp_soul           0
#comp_maskedanim     0

## Sound settings
#pitched_sounds      0
#samplerate          11025
#sfx_volume          8
#music_volume        8
#mus_pause_opt       2
#mus_load_external   2
#snd_channels        8

## Video settings
#screenblocks        0
usegamma             3
#uncapped_framerate  3
#filter_wall         1
#filter_floor        1
#filter_sprite       1
#filter_z            1
#filter_patch        1
#filter_threshold    49152
#sprite_edges        0
#patch_edges         0
#render_stretchsky   1
#r_wiggle_fix        1

## Mouse settings
#mouse_sensitivity_horiz 40
#mouse_sensitivity_vert  40
#mouseb_fire          0
#mouseb_strafe        1
#mouseb_forward       2
#mouseb_backward      -1
#movement_mouselook   0
#movement_mouseinvert 0
#movement_maxviewpitch 32

## Key bindings
#key_right            0xae
#key_left             0xac
#key_up               0xad
```

#key_down	0xaf
#key_menu_right	0xae
#key_menu_left	0xac
#key_menu_up	0xad
#key_menu_down	0xaf
#key_menu_backspace	0x7f
#key_menu_escape	0x1b
#key_menu_enter	0xd
#key_setup	0xc7
#key_strafeleft	0x2c
#key_straferight	0x2e
#key_fire	0x9d
#key_use	0x20
#key_strafe	0xb8
#key_speed	0xb6
#key_savegame	0xbc
#key_loadgame	0xbd
#key_soundvolume	0xbe
#key_hud	0xbf
#key_quicksave	0xc0
#key_endgame	0xc1
#key_messages	0xc2
#key_quickload	0xc3
#key_quit	0xc4
#key_gamma	0xd7
#key_spy	0xd8
#key_pause	0xff
#key_autorun	0xba
#key_chat	0x74
#key_backspace	0x7f
#key_enter	0xd
#key_map	0x9
#key_map_right	0xae
#key_map_left	0xac
#key_map_up	0xad
#key_map_down	0xaf
#key_map_zoomin	0x3d
#key_map_zoomout	0x2d
#key_map_gobig	0x30
#key_map_follow	0x66
#key_map_mark	0x6d
#key_map_clear	0x63
#key_map_grid	0x67
#key_map_rotate	0x72
#key_map_overlay	0x6f
#key_reverse	0x2f
#key_zoomin	0x3d
#key_zoomout	0x2d
#key_chatplayer1	0x67
#key_chatplayer2	0x69
#key_chatplayer3	0x62

```
#key_chatplayer4      0x72
#key_weapontoggle     0x30
#key_weaponcycleup    0x6d
#key_weaponcycledown  0x6e
#key_weapon1          0x31
#key_weapon2          0x32
#key_weapon3          0x33
#key_weapon4          0x34
#key_weapon5          0x35
#key_weapon6          0x36
#key_weapon7          0x37
#key_weapon8          0x38
#key_weapon9          0x39
#key_screenshot       0x2a

## Chat macros
#chatmacro0           "No"
#chatmacro1           "I'm ready to kick butt!"
#chatmacro2           "I'm OK."
#chatmacro3           "I'm not looking too good!"
#chatmacro4           "Help!"
#chatmacro5           "You suck!"
#chatmacro6           "Next time, scumbag..."
#chatmacro7           "Come here!"
#chatmacro8           "I'll take care of it."
#chatmacro9           "Yes"

## Automap settings
#mapcolor_back        0xf7
#mapcolor_grid        0x68
#mapcolor_wall        0x17
#mapcolor_fchg        0x37
#mapcolor_cchg        0xd7
#mapcolor_clsd        0xd0
#mapcolor_rkey        0xaf
#mapcolor_bkey        0xcc
#mapcolor_ykey        0xe7
#mapcolor_rdor        0xaf
#mapcolor_bdor        0xcc
#mapcolor_ydor        0xe7
#mapcolor_tele        0x77
#mapcolor_secg        0xfc
#mapcolor_exit        0x0
#mapcolor_unsn        0x68
#mapcolor_flat        0x58
#mapcolor_sprt        0x70
#mapcolor_item        0xe7
#mapcolor_hair        0xd0
#mapcolor_sngl        0xd0
#mapcolor_me          0x70
#mapcolor_enemy       0xb1
```

```
#mapcolor_frnd          0x70
#map_secret_after       0
#map_point_coord       0
#automapmode           0x0

## Heads-up display settings
#hudcolor_titl         5
#hudcolor_xyco         3
#hudcolor_mesg         6
#hudcolor_chat         5
#hudcolor_list         5
#hud_msg_lines         1
#hud_list_bgon         0
#health_red            25
#health_yellow         50
#health_green          100
#armor_red             25
#armor_yellow          50
#armor_green           100
#ammo_red              25
#ammo_yellow           50
#hud_mode              0
#hud_showstats         1
#hud_showkeys          1
#hud_showweapons       1

## Weapon preferences
#weapon_choice_1       6
#weapon_choice_2       9
#weapon_choice_3       4
#weapon_choice_4       3
#weapon_choice_5       2
#weapon_choice_6       8
#weapon_choice_7       5
#weapon_choice_8       7
#weapon_choice_9       1

## Music
#mus_bunny             "bunny.mp3"
#mus_e1m1              "e1m1.mp3"
#mus_e1m2              "e1m2.mp3"
#mus_e1m3              "e1m3.mp3"
#mus_e1m4              "e1m4.mp3"
#mus_e1m5              "e1m5.mp3"
#mus_e1m6              "e1m6.mp3"
#mus_e1m7              "e1m7.mp3"
#mus_e1m8              "e1m8.mp3"
#mus_e1m9              "e1m9.mp3"
#mus_e2m1              "e2m1.mp3"
#mus_e2m2              "e2m2.mp3"
#mus_e2m3              "e2m3.mp3"
```

```
#mus_e2m4 "e2m4.mp3"
#mus_e2m5 "e2m5.mp3"
#mus_e2m6 "e2m6.mp3"
#mus_e2m7 "e2m7.mp3"
#mus_e2m8 "e2m8.mp3"
#mus_e2m9 "e2m9.mp3"
#mus_e3m1 "e3m1.mp3"
#mus_e3m2 "e3m2.mp3"
#mus_e3m3 "e3m3.mp3"
#mus_e3m4 "e3m4.mp3"
#mus_e3m5 "e3m5.mp3"
#mus_e3m6 "e3m6.mp3"
#mus_e3m7 "e3m7.mp3"
#mus_e3m8 "e3m8.mp3"
#mus_e3m9 "e3m9.mp3"
#mus_e4m1 "e3m4.mp3"
#mus_e4m2 "e3m2.mp3"
#mus_e4m3 "e3m3.mp3"
#mus_e4m4 "e1m5.mp3"
#mus_e4m5 "e2m7.mp3"
#mus_e4m6 "e2m4.mp3"
#mus_e4m7 "e2m6.mp3"
#mus_e4m8 "e2m5.mp3"
#mus_e4m9 "e1m9.mp3"
#mus_e5m1 "e5m1.mp3"
#mus_e5m2 "e5m2.mp3"
#mus_e5m3 "e5m3.mp3"
#mus_e5m4 "e5m4.mp3"
#mus_e5m5 "e5m5.mp3"
#mus_e5m6 "e5m6.mp3"
#mus_e5m7 "e5m7.mp3"
#mus_e5m8 "e5m8.mp3"
#mus_e5m9 "e5m9.mp3"
#mus_inter "inter.mp3"
#mus_introa "intro.mp3"
#mus_intro "intro.mp3"
#mus_victor "victor.mp3"
#mus_adrian "adrian.mp3"
#mus_ampie "ampie.mp3"
#mus_betwee "betwee.mp3"
#mus_count2 "count2.mp3"
#mus_countd "countd.mp3"
#mus_ddtbl2 "ddtbl2.mp3"
#mus_ddtbl3 "ddtbl3.mp3"
#mus_ddtblu "ddtblu.mp3"
#mus_dead2 "dead2.mp3"
#mus_dead "dead.mp3"
#mus_dm2int "dm2int.mp3"
#mus_dm2ttl "dm2ttl.mp3"
#mus_doom2 "doom2.mp3"
#mus_doom "doom.mp3"
```

```
#mus_evil          "evil.mp3"  
#mus_in_cit       "in_cit.mp3"  
#mus_messag      "messag.mp3"  
#mus_messg2      "messg2.mp3"  
#mus_openin      "openin.mp3"  
#mus_read_m      "read_m.mp3"  
#mus_romer2      "romer2.mp3"  
#mus_romero      "romero.mp3"  
#mus_runni2      "runni2.mp3"  
#mus_runnin      "runnin.mp3"  
#mus_shawn2      "shawn2.mp3"  
#mus_shawn3      "shawn3.mp3"  
#mus_shawn       "shawn.mp3"  
#mus_stalks      "stalks.mp3"  
#mus_stlks2      "stlks2.mp3"  
#mus_stlks3      "stlks3.mp3"  
#mus_tense       "tense.mp3"  
#mus_theda2      "theda2.mp3"  
#mus_theda3      "theda3.mp3"  
#mus_the_da      "the_da.mp3"  
#mus_ultima      "ultima.mp3"
```

## Other examples for specific WADs

### Sigil (5th Episode)

SIGIL is the 5th Episode for ULTIMATE DOOM. It was created by the creator of DOOM - John Romero and can be [downloaded for free right here](#).

#### How to use?

Place the downloaded WAD to your prboom directory in roms. Now edit /userdata/saves/prboom/[DOOM1-EPISODE]/prboom.cfg and set the WAD next to be loaded to the main WAD in *Files Section*. I've only tested for ULTIMATE DOOM and it worked like a charme.

```
## Files  
wadfile_1          "SIGIL_v1_2.wad"  
#wadfile_2         ""  
#wadfile_3         ""  
#wadfile_4         ""  
#wadfile_5         ""  
#wadfile_6         ""  
#wadfile_7         ""  
#wadfile_8         ""  
#dehfile_1         ""  
#dehfile_2         ""
```

## Lost Episodes of Doom

The Lost Episodes of Doom is a collection of three eight-level episodes for Doom by Christen Klie and Bob Carter. It takes place on the Jovian moons Callisto and Io, and on Jupiter itself. It was a commercial product.

Extract the two WAD files and then edit `/userdata/saves/prboom/[DOOM1-EPISODE]/prboom.cfg` and set the WAD next to be loaded to the main WAD in *Files Section*.

```
## Files
wadfile_1          "JPTR_V40.WAD"
wadfile_2          "Jptr_fix.wad"
#wadfile_3         ""
#wadfile_4         ""
#wadfile_5         ""
#wadfile_6         ""
#wadfile_7         ""
#wadfile_8         ""
#dehfile_1         ""
#dehfile_2         ""
```

## Doom 2 - No Rest for the Living

No Rest for the Living was developed by Nerve Software for the release of Doom 2 on the XBLA. The episode consists of nine levels in all, eight standard levels and a single secret level, as a homage to the similarly structured nine-map episodes in the original Doom, particularly Knee-Deep in the Dead.

Extract the WAD file and then edit `/userdata/saves/prboom/[DOOM2-EPISODE]/prboom.cfg` and set the WAD next to be loaded to the main WAD in *Files Section*.

```
## Files
wadfile_1          "NERVE.WAD"
#wadfile_2         ""
#wadfile_3         ""
#wadfile_4         ""
#wadfile_5         ""
#wadfile_6         ""
#wadfile_7         ""
#wadfile_8         ""
#dehfile_1         ""
#dehfile_2         ""
```

## Additional tricks

The above methods got the disadvantage that you “lose” your original gameset. That means for DOOM-Sigil that you will the new launching screen ever and ever again. To get rid of this you can copy the main WAD and rename one to `DOOM - Ultimate DOOM.wad` and the other to `DOOM - Sigil of Baphomet.wad` now you edit `/userdata/saves/prboom/DOOM - Sigil of`

Baphomet.wad/prboom.cfg and set it up like written above.

Now you edit gamedata and hide the added PWAD files (Sigil.wad), you now have a clean list.

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