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OS: Windows 10

- <https://www.pcgamingwiki.com/wiki/RealMyst>

## Fix white videos

- Put the EXE into compatibility mode: Windows XP SP3
- Run the EXE directly (not from the GOG launcher).

## Widescreen

- Direct3D: Can choose widescreen resolutions, but 4:3 squashed. No known fix, just set to 1280x960.
- Glide: Can force widescreen resolutions with `nglide_config`, but either 4:3 squashed, or ask `nglide` to put into 4:3 aspect ratio in a letterbox.

Either way, there is no way to force the game to actually render in a 16:9 aspect ratio.

## Direct3D vs Glide

In realMyst setup, you can use either Direct3D or Glide. Glide goes through the `nglide` wrapper (in which case the `nglide_config` applies). With Direct3D, `nglide_config` is ignored.

- Direct3D is harder to capture with OBS, but possible. It lets you pick any resolution (though it's always 4:3 squashed). It correctly displays videos.
- Glide is a bit easier to capture with OBS, but has a number of issues:
  - If you Alt+Tab out, the window will disappear but the game is still running! Run the exe again to switch to the existing game.
  - The videos will be drawn in a 16-bit depth, so the colours look crushed.

Overall, Direct3D is recommended for both playing and capturing.

## Using OBS to capture video

- Direct3D (recommended):
  - This was really hard to figure out (I didn't figure it out until 2021!).
  - In OBS:
    - Use Display Capture (not game capture).

- In Display Capture properties, set Capture Method to Windows 10 (1903 and up). This puts a yellow border around the screen (it won't affect the video).
  - Now you can capture the full-bit-depth videos, and properly Alt+Tab without losing the window.
- Glide (not recommended due to the two issues above):
  - In nglide\_config, set backend to DirectX.
    - Set resolution to 1920x1080 or By Desktop.
    - If you choose Aspect ratio "preserve original" it will render a 4:3 box inside 1920x1080, which is better for playing, but not for capturing, so leave at By App.
  - In OBS, use display capture (not game capture). You don't have to use the Windows 10 setting.
- Either way (important!):
  - OBS shortcuts don't work when in the game, so you have to start capturing video, switch into the game, run around, then switch out and stop capturing.