

E-Prime in Windows 10

We have noticed some issues with E-Prime in Windows 10. Some of these issues are due to the fact that several changes that Microsoft introduced from Windows 8 (and thus also in Windows 10) impact the video display system and its ability to communicate with E-Prime. Because of this, it might be necessary that changes need to be made to existing E-Prime tasks in order for it to work optimally in Windows 10.

- **Dialogue boxes**

The dialogue box functions in both E-Prime 2 and E-Prime 3 do not (always) work under Windows 10. This includes the following functions:

- AnswerBox
- AskBox
- InputBox
- MsgBox
- OpenFileName
- SelectBox

In E-Prime 3 PST strongly recommends to use the new DisplayDevice commands. These cover the following dialog box types.

- MsgBox
- AskBox
- AnswerBox
- InputBox

This means that some of the “old” dialogue boxes (such as SelectBox) can no longer be used. We are still in conversation with PST to see if there are feasible alternatives for these dialogue boxes. Unfortunately there seems to be no clear solution to this issue in E-Prime 2. When using dialogue boxes we recommend to upgrade to E-Prime 3. For more information on this subject, see: <https://support.pstnet.com/hc/en-us/articles/360008221873-INFO-Display-MsgBox-usage-in-E-Prime-3-0-23633->

- **Display settings**

Under Windows 10, specific display settings are required in E-Prime 2 and E-Prime 3. When these settings are not set as required, E-Prime gives a warning message when attempting to run the experiment from E-Studio. This entails the following settings:

- Flipping is required to maintain accurate display timing
- Only 32-bit color depth is supported

For more information, see: <https://support.pstnet.com/hc/en-us/articles/360021117733-INFO-Windows-8-or-DirectX-11-or-greater-detected-23888->

- **Flickering screen with screen resolution 1920x1080**

We have noticed that the screen flickers when running an E-Prime task in Windows 10 (both with E-Prime 2 and E-Prime 3). This happens only when using a screen resolution of 1920x1080. We are still in conversation with PST to figure out what causes this issue. Our recommendation for now is to not use this screen resolution.

In general, we recommend to test out your old E-Prime experiment in Windows 10 before running a study. Changes to the experiment may be required. When you encounter any issues in E-Prime under Windows 10, please let us know.