

Technical Note

ShuttlePRO 2 and The Observer XT

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1 ShuttlePRO 2

WHAT IS THE SHUTTLEPRO2?

Noldus IT offers the ShuttlePRO 2 (Contour Design, Inc) jog/shuttle device which you can use in combination with The Observer XT to position and control your video. The ShuttlePRO 2 has 15 programmable keys, a 15-step shuttle ring and a 2-step jog wheel. You can program the buttons with the keyboard shortcuts defined in The Observer XT, or use the configuration supplied by Noldus IT. You can use the ShuttlePRO 2 in addition to your regular keyboard, control your video with the ShuttlePRO 2 and use your keyboard for coding.

Noldus Information Technology has tested The Observer XT and the ShuttlePRO software on the professional editions of Windows 7, 64-bit (SP1) and Windows 10, 64-bit.

Please see the **Keyboard shortcuts** in The Observer XT Help for an overview of the keyboard shortcuts.



CONTENTS OF THE SHUTTLEPRO 2 PACKAGE

Your ShuttlePRO 2 package consists of a ShuttlePRO 2 device, a Quick Start Instructions sheet, and a sticker sheet.

INSTALLING THE SHUTTLEPRO 2 SOFTWARE

You must install the ShuttlePRO 2 software before connecting the device to your computer.

If you ordered a computer from Noldus Information Technology, the ShuttlePRO 2 software has already been installed.

1. Insert The Observer XT installation USB stick into your computer.
2. Locate and run the file **Observer XT 15.o Setup.exe**.
3. In the **Drivers and Tools** field, select **Shuttle Pro 2 keyboard**. Then click **Next** and follow the instructions on your screen to install The Observer XT and the Shuttle Pro software.

If you already installed The Observer XT, select **Modify** and then click **Update**. Alternatively, run the file `cdi_shuttle_win_2.9-4.exe` from the folder **Drivers and Tools\Drivers\ShuttlePRO v2** on installation USB stick.

4. Open the folder **Drivers and Tools\Drivers\ShuttlePRO v2** on installation USB stick.
5. Copy the file **The Observer XT 14 template.pref** to the harddisk of your computer.



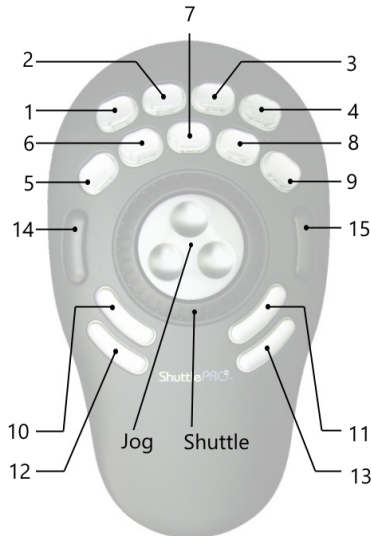
Please make sure to install the driver software from the Observer installation USB stick instead of downloading drivers from the Shuttle Pro website.

The Contour ShuttlePRO software is located in the following folder:
C:\Program Files (x86)\Contour Shuttle.

2 The pre-programmed configuration

In the pre-programmed configuration for the ShuttlePRO 2 (**The Observer XT 14 template.pref**) the jog dial, shuttle dial and nine of the fifteen buttons have been programmed with functions to control your video.

Buttons



- Button 1 — Go to previous sample (for instantaneous sampling)
- Button 2 — not programmed
- Button 3 — not programmed
- Button 4 — Go to next sample (for instantaneous sampling)
- Button 5 — Step frame backward
- Button 6 — Play backward at last used speed

- Button 7 — Pause/stop
- Button 8 — Play forward at last used speed
- Button 9 — Step frame forward
- Button 10 — Quick review
- Button 11 — Quick review
- Button 12 — not programmed
- Button 13 — not programmed
- Button 14 — Jump to begin
- Button 15 — Jump to end



Button 6 is programmed with **Ctrl+g**, which plays the video forward at the last used speed. Similarly, Button 8 is programmed with **Ctrl+Shift+g**, which plays the video backward at the last used speed. If you want to program a button to always play at the same speed, use the keystrokes **Ctrl+4** (play forward at speed 1) and **Ctrl+Shift+4** (play backward at speed -1). You can also program one button with the **Spacebar** key to toggle between pause and play at speed 1.

For more information, see **Keyboard Shortcuts** in The Observer XT Help.

Jog dial

- Jog Left — Step frame backward
- Jog right — Step frame forward

Shuttle dial

- Shuttle in Left 7 — Play speed 8x backward
- Shuttle in Left 6 — Play speed 4x backward

- Shuttle in Left 5 — Play speed 2x backward
- Shuttle in Left 4 — Play speed 1x backward
- Shuttle in Left 3 — Play speed 1/2x backward
- Shuttle in Left 2 — Play speed 1/5x backward
- Shuttle in Left 1 — Play speed 1/25x backward
- Shuttle Centered — Pause/stop
- Shuttle in Right 1 — Play speed 1/25x forward
- Shuttle in Right 2 — Play speed 1/5x forward
- Shuttle in Right 3 — Play speed 1/2x forward
- Shuttle in Right 4 — Play speed 1x forward
- Shuttle in Right 5 — Play speed 2x forward
- Shuttle in Right 6 — Play speed 4x forward
- Shuttle in Right 7 — Play speed 8x forward

Depending on the format of your video file, some play speeds may not be available. Therefore, instead of fixed play speeds, the speeds are set when they are available. This means that if only 1x forward and backward are available, pressing **Ctrl+Alt+1** will select speed 1x forward, but if all speeds are available, **Ctrl+Alt+1** will select speed 1/25x forward. A message is displayed in the status bar when a play speed is not available.

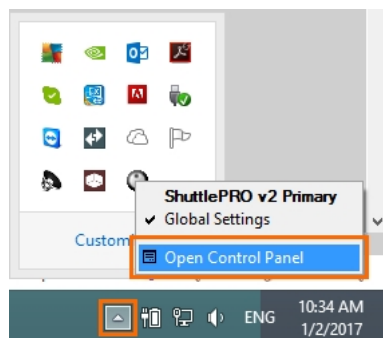


To play video forward or backward, hold the shuttle dial in the corresponding position. Releasing the dial results in pausing video.

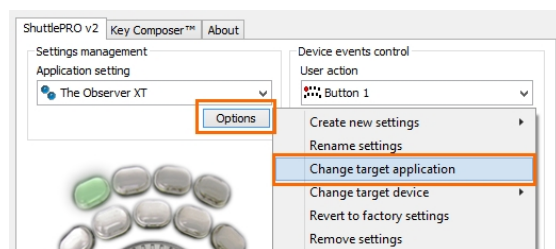
OPENING THE CONFIGURATION

1. Connect the ShuttlePRO 2 to your computer.

2. Click the ShuttlePRO 2 icon in the system tray (lower right-hand corner of your screen) and select **Open Control Panel**.

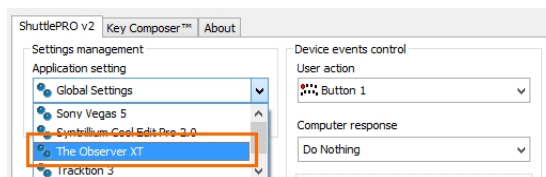


3. The **Contour Shuttle Device Configuration** window appears (See picture under step 4).
In the **Settings Management** section, click **Options** and then **Import Settings** and locate the file **The Observer XT 14 template.pref** that you have copied to your computer (see page 4).
4. In the **Settings Management** section, click **Options** and choose **Change target application**.



5. Browse to the folder **C:\Program Files (x86)\Noldus\The Observer XT 15**, select the **Observer.exe** program and select **Open**.
6. Click **OK**.

7. Close and re-open the ShuttlePRO software. Now you can choose **The Observer XT** from the list under **Application Setting** in the **Settings Management** section.



The configuration is loaded automatically when The Observer XT is on top of your screen.

EDITING THE CONFIGURATION

1. Open The Observer XT configuration as described above.
2. In the **User action** field in the **Device events control** section, select the button, jog direction, shuttle position or shuttle transition which you want to view/edit. The selected button/jog dial/shuttle dial becomes green in the window on your screen. The keyboard shortcut that has been assigned to the selected element is shown in the **Keystroke** field. If you like, you can edit it.
3. To save your configuration, click **Options** and then **Export settings**. Enter a name for your configuration, browse to the location in which you want to store it and click **Save**.
4. To have the configuration working with The Observer XT 15, in the **Settings Management** section, click **Options** and choose **Change target application**.
5. Browse to the folder **C:\Program Files (x86)\Noldus\The Observer XT 15**, select the **Observer.exe** program and select **Open**.
6. Click **OK**.

7. Close and re-open the ShuttlePRO software. Now you can choose The Observer XT from the list under **Application Setting** in the **Settings Management** section.

The configuration is loaded automatically when The Observer XT is on top of your screen.



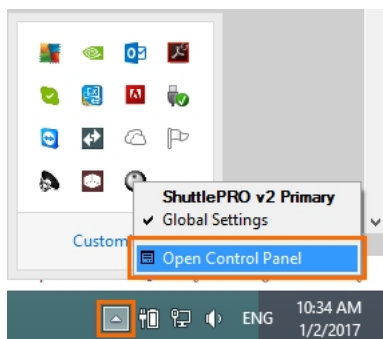
In step 2, you can also select an element by clicking the desired button or moving the Jog or Shuttle dial on the device itself.

You can also program one button with the **Spacebar** key to toggle between pause and play at speed 1.

3 Making a new configuration

Follow the procedure below if you want to make a new configuration for the ShuttlePRO 2:

1. All programming is done in the **Contour Shuttle Device Configuration** window. If this window is not already open, open it by clicking the ShuttlePRO 2 icon on the system tray in the lower right-hand corner of your screen. Make sure your device is connected to the computer.



2. Click the **Options** button in the **Settings management** section. Select **Create new settings** and then **Create Empty Settings**. Browse to the location in which The Observer XT application file Observer.exe is stored (by default in C:\Program Files\Noldus\The Observer XT). Select the file and click **Open**. The Observer XT is now the target application that the ShuttlePRO 2 software will control.
3. In the **User action** field in the **Device events control** section, select the button, jog direction, shuttle position or shuttle transition which you want to program. When you select an element it becomes green in the window on your screen.
4. In the **Computer response** field, select **Type Keystroke**.

5. In the **Keystroke** field, enter the keyboard shortcut which you want to assign to the selected element.
 6. In the **Frequency** field, select **Once Only**.
 7. In the **Comment** field, enter a description for the action that you have assigned, for instance, **Quick review** for button 9.
 8. Repeat steps 3 to 7 if you want to program more elements.
 9. When you are finished programming, click **Options** in the **Settings management** section and select **Export settings**. Enter a name for your configuration, browse to the location where you want to store it and click **Save**. The ShuttlePRO 2 is now ready for use.
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In step 3, you can also select an element by clicking the desired button or moving the Jog or Shuttle dial on the device itself.

In step 5, you can also program one button with the **Spacebar** key to toggle between pause and play at speed 1.
