

Tuto: VR Inputs Setup (scripting needed)

Overview:

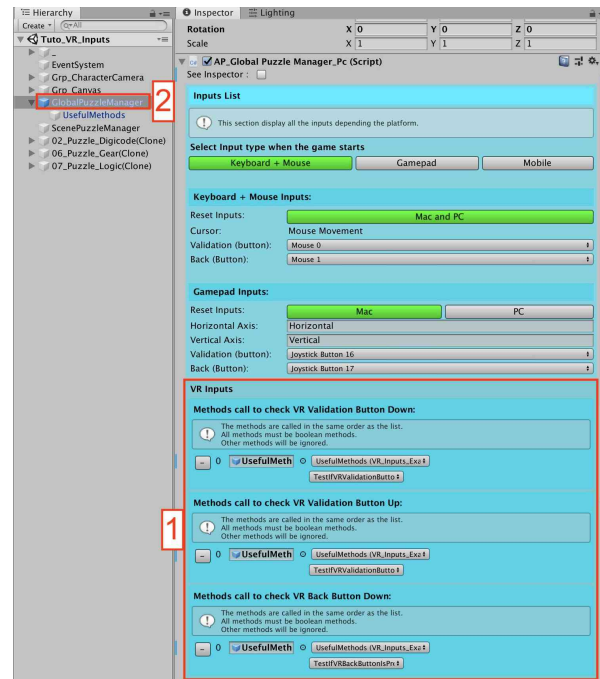
Each VR headset manage its Inputs differently.

Info: To use VR Gamepad it is needed to add custom code to detect your VR gamepad Inputs.

In the Input Puzzle manager (spot 1):
You must add your own script to use VR gamepad.

Info: To access this section:

- Select **GlobalPuzzleManager** in the Hierarchy (spot 2)
- In the Inspector go to section **VR Input** (spot 1).

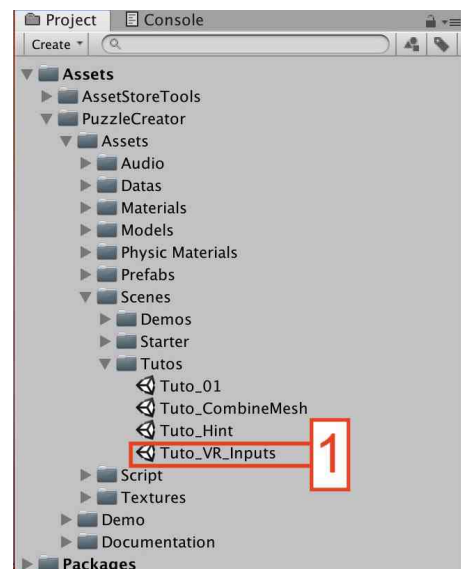


Example:

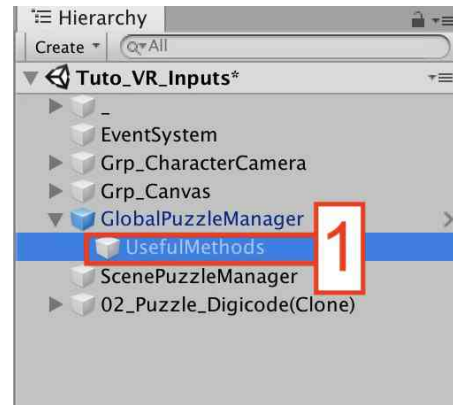
Info: In the following example we will show:

- How to add a method to detect that the player presses **Down** the **validation** button on his VR controller
- How to add a method to detect that the player presses **Up** the **validation** button on his VR controller
- How to add a method to detect that the player presses **Down** the **back** button on his VR controller.

-Open the scene **Tuto_VR_Inputs** (spot 1).
(Project Tab: PuzzleCreator – Assets → Scenes → Tutos → Tuto_VR_Inputs)



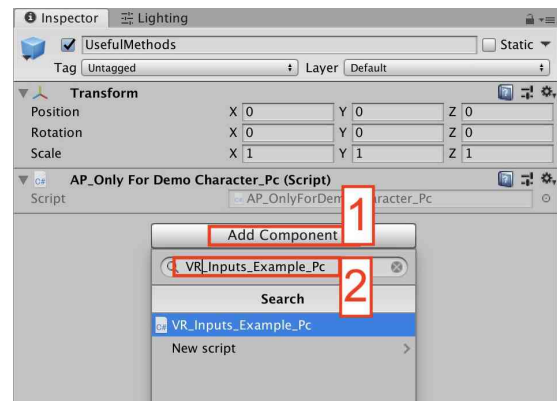
-Select the object **UsefulMethods** in the Hierarchy (spot 1).
(Hierarchy → GlobalPuzzleManager → UsefulMethods)



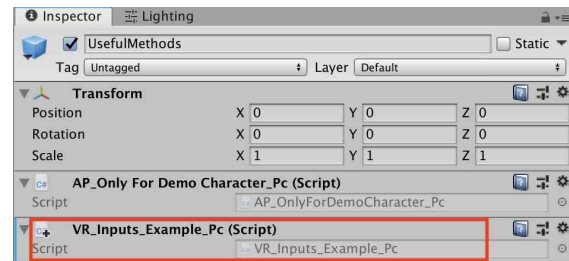
-In the Inspector press button **Add Component** (spot 1).

-Write **VR_Inputs_Example_Pc** in the search field (spot 2)

-Press **Enter**.



Info: Script **VR_Inputs_Example_Pc** is now attached to **UsefulMethods** object. This script contains ready to use methods to help you detect the VR gamepad Inputs.



-In Hierarchy select **GlobalPuzzleManager** (spot 1).

-In the inspector section **VR Inputs** press the button **+** in the sub section **Methods call to check VR Validation button Down**(spot 2).

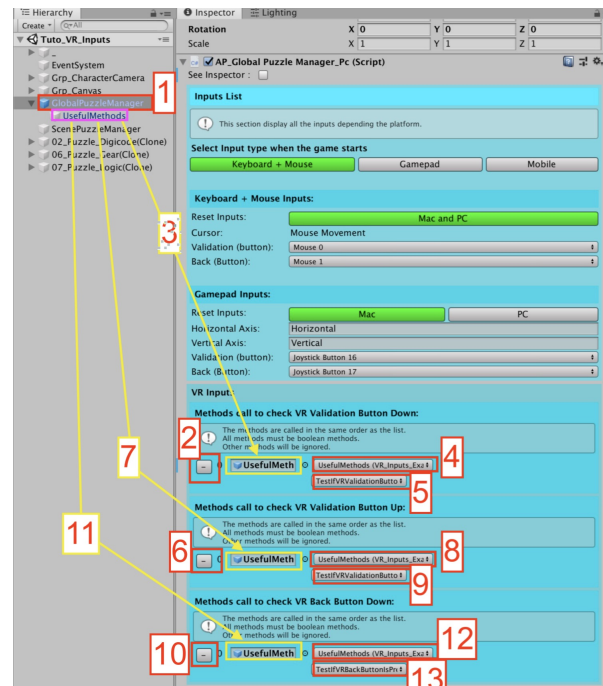
(Info: This section is used to know if the player is pressing down the **validation button** on his VR gamepad.)

-Drag and drop the object named **UsefulMethods** in the empty slot (spot 3).

-In the dropdown menu (spot 4) select the script **VR_Inputs_Example_Pc**.

-In the dropdown menu (spot 5) select the method **TestIfVRValidationButtonIsPressed_Down**.

(Info: The boolean method **TestIfVRValidationButtonIsPressed_Down** check in this example if the button **S** is pressed **down**)



-In the inspector section **VR Inputs** press the button **+** in the sub section **Methods call to check VR Back button** (spot 6).

(Info: This section is used to know if the player is pressing **Up** the **back button** on his VR gamepad.)

-Drag and drop the object named **UsefulMethods** in the empty slot (spot 7).

-In the dropdown menu (spot 8) select the script **VR_Inputs_Example_Pc**.

-In the dropdown menu (spot 9) select the method **TestIfVRBackButtonIsPressed_Up**.

(Info: The boolean method **TestIfVRValidationButtonIsPressed_Up** check in this example if the button **S** is pressed **Up**)

-In the inspector section **VR Inputs** press the button **+** in the sub section **Methods call to check VR Back button Down** (spot 10).

(Info: This section is used to know if the player is pressing down the **back button** on his VR gamepad.)

-Drag and drop the object named **UsefulMethods** in the empty slot (spot 11).

-In the dropdown menu (spot 12) select the script **VR_Inputs_Example_Pc**.

-In the dropdown menu (spot 13) select the method **TestIfVRBackButtonIsPressed_Down**.

(Info: The boolean method **TestIfVRBackButtonIsPressed_Down** check in this example if the button **D** is pressed **down**)

-Open the script **VR_Inputs_Example_Pc** in your script editor.
(Project Tab → PuzzleCreator → Assets → Script → Demo → VR_Inputs_Example_Pc)

The boolean method:

TestIfVRValidationButtonIsPressed_Down (spot 1)
check in this example if the button **S** is pressed down (spot 2).

Info: If the player presses button **S** down the boolean method return true. If the player do not presses button **S** down the boolean method return false.

In your case:

-Replace the **line 9** with your code to detect the button on the VR gamepad (This line of code depends of the Headset you are using).

The boolean method:

TestIfVRValidationButtonIsPressed_Up (spot 3)
check in this example if the button **S** is pressed up (spot 4).

Info: If the player presses button **S** up the boolean method return true. If the player do not presses button **S** up the boolean method return false.

In your case:

-Replace the **line 19** with your code to detect the button on the VR gamepad (This line of code depends of the Headset you are using).

The boolean method:

TestIfVRBackButtonIsPressed_Down (spot 5)
check in this example if the button **D** is pressed (spot 6).

Info: If the player presses button **D** the boolean method return true. If the player do not presses button **D** the boolean method return false.

In your case:

-Replace the **line 29** with your code to detect the button on the VR gamepad (This line of code depends of the Headset you are using).

```
1 using System.Collections;
2 using System.Collections.Generic;
3 using UnityEngine;
4
5 public class VR_Inputs_Example_Pc : MonoBehaviour
6 {
7     public bool TestIfVRValidationButtonIsPressed_Down() 1
8     {
9         if (Input.GetKeyDown(KeyCode.S)) 2
10         {
11             //Debug.Log("Button S is pressed Down");
12             return true;
13         }
14         return false;
15     }
16
17     public bool TestIfVRValidationButtonIsPressed_Up() 3
18     {
19         if (Input.GetKeyUp(KeyCode.S)) 4
20         {
21             //Debug.Log("Button S is pressed Up");
22             return true;
23         }
24         return false;
25     }
26
27     public bool TestIfVRBackButtonIsPressed_Down() 5
28     {
29         if (Input.GetKeyDown(KeyCode.D)) 6
30         {
31             //Debug.Log("Button D is pressed Down");
32             return true;
33         }
34         return false;
35     }
36 }
37
```