

CueTrigger for Shelly

gobo.ws has developed an open-source script that integrates [Shelly devices](#) with a switch or pushbutton to wirelessly trigger or stop cues on CueCore2, CueCore3, QuadCore, or Cuety LPU-2 devices from [Visual Productions](#).

While Shelly products are typically designed for IoT applications, they can also offer a cost-effective control solution for professional use. For instance [Rigport](#) incorporates Shellies into their SmartVT range. However the reliability of 2,4 GHz Wi-Fi in certain environments should be carefully considered.

This wireless solution serves as a simple alternative to the CueCore's GPI ports or B-Station, particularly in situations where running signal cables to a switch or push button is impractical. The setup is straightforward and offers an affordable option, with the only cost being the purchase of a compatible Shelly device.

Supported devices from Shelly include the Gen2+ devices with input instances. Some examples are the Shelly Plus I4, Shelly Plus 1 (Mini), Shelly Plus 1 PM (Mini), Shelly Plus 2 PM, Shelly Plus Uni, Shelly Pro 1, Shelly Pro 1 PM, Shelly Pro 2, Shelly Pro 2 PM, Shelly Pro 3, Shelly Pro 4 PM and Shelly Pro Dual Cover PM. However the number of inputs depends on the model.

For testing purposes, a Shelly Plus i4 DC is used, allowing it to trigger four different cues in combination with the online CueCore3 demo unit.

CueTrigger for Shelly - Installation Instructions

1. Download and edit configuration:

- Download the [cuetrigger-for-shelly.js](#) file
- Open the file with a text editor to edit the configuration section

2. Configuration section:

- **hostname:** Enter the hostname or IP address of the Visual Productions device (e.g., `192.168.33.2`)
- **deviceType:** Select your device type. Options include: `'CueCore'` , `'QuadCore'` , `'CuetyLPU2'`
- **mode:** Choose your preferred mode. Options are: `'switch'` , `'pushbutton'`

3. Playback IDs:

- Specify the playback IDs for each switch/pushbutton. The ranges are:
 - CueCore2: `01-08`
 - CueCore3: `01-16`
 - QuadCore: `01-06`
 - Cuety LPU-2: `01-64`

- Example:
 - pbId1 : Playback ID for switch/pushbutton 1
 - pbId2 : Playback ID for switch/pushbutton 2
 - pbId3 : Playback ID for switch/pushbutton 3
 - pbId4 : Playback ID for switch/pushbutton 4

4. Cue IDs:

- Enter the Cue IDs for each switch/pushbutton. The ranges are:
 - CueCore 2, CueCore 3 and QuadCore: 1-32
 - Cuety LPU-2: 1-48
- Example:
 - cueId1 : Cue ID for switch/pushbutton 1
 - cueId2 : Cue ID for switch/pushbutton 2
 - cueId3 : Cue ID for switch/pushbutton 3
 - cueId4 : Cue ID for switch/pushbutton 4

```
// Default configuration
let defaultConfig = {
  hostname: 'haarlem.visualproductions.nl:91', // Device hostname/IP
  mode: 'switch', // Options: 'switch' or 'pushbutton'
  deviceType: 'CueCore', // Options: 'CueCore', 'QuadCore', 'CuetyLPU2'

  // Playback IDs for each pushbutton. CueCore2 (01-08), CueCore3 (01-16), QuadCore (01-06) and Cuety LPU-2 (01-64)
  pbId1: '01', // Playback ID for switch/pushbutton 1
  pbId2: '01', // Playback ID for switch/pushbutton 2
  pbId3: '01', // Playback ID for switch/pushbutton 3
  pbId4: '01', // Playback ID for switch/pushbutton 4

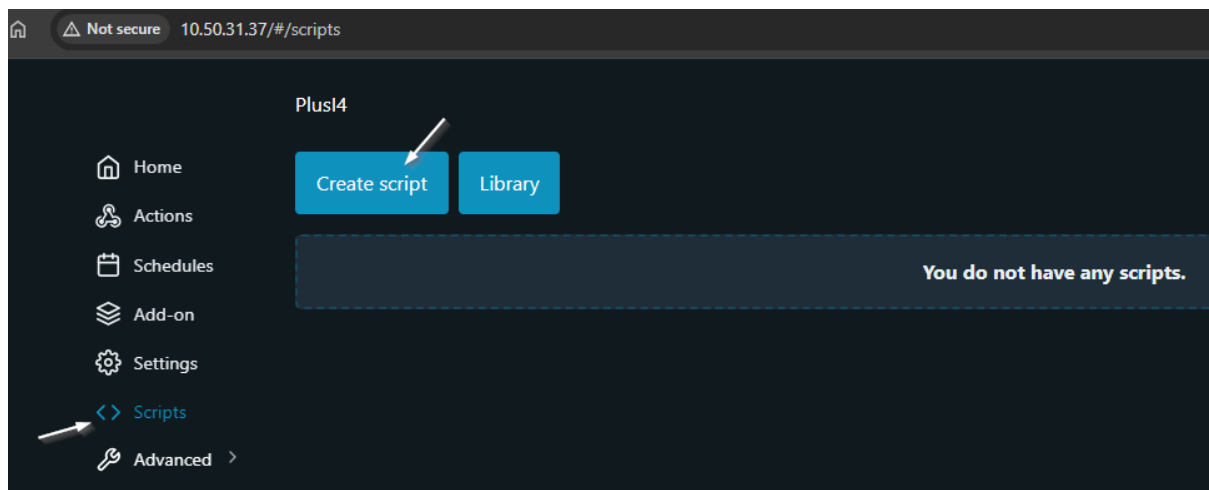
  // Cue IDs for each switch/pushbutton (1-32) except for Cuety LPU-2 (1-48)
  cueId1: 1, // Cue ID for switch/pushbutton 1
  cueId2: 2, // Cue ID for switch/pushbutton 2
  cueId3: 3, // Cue ID for switch/pushbutton 3
  cueId4: 4 // Cue ID for switch/pushbutton 4
};
```

5. Default script example:

- The values set in the configuration section will be the default values. However thanks to KVS (Key-Value Storage), you can update them remotely later without modifying the script directly in the Shelly web interface

6. Add the script to your Shelly device:

- Open your web browser and enter the hostname/IP of your Shelly device
- Click on the "Scripts" menu option
- Click the "Create script" button



- In the "Script name" field, name the script (for example, CueTrigger for Shelly)
- Paste the code into the white field and click "Save"
- Press "Start". In the "Console" box you should now see the text: "CueTrigger for Shelly is running in switch mode. Device hostname/IP:"



7. Example command to update configuration using KVS:

- To connect to the Shelly device at `192.168.33.1` and update the Cue with ID 2 to `32`, open your web browser and enter the following URL:

```
http://192.168.33.1/rpc/KVS.Set?key="cueId2"&value="32"
```

8. Restart the script after updating a KVS variable:

- Stop script 1:

```
http://192.168.33.1/rpc/Script.Stop?id=1
```

- Start script 1:

```
http://192.168.33.1/rpc/Script.Start?id=1
```

[gobo.ws can help customize solutions](#) to meet your specific needs. I can also develop scripts for other devices from Visual Productions, in addition to the ones I already support and create solutions for products from other manufacturers.

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