ADVANCED CONTROL SYSTEMS

FUNCTIONALITY DEEP-DIVE SERIES

Issue Six: Robotic Cameras

INTRODUCTION

Every customer has their own workflows and challenges to address; users should be able to leverage the full capabilities of their systems. In this series of How-To Guides, we will help engineers understand how to configure systems with added-value functionality to help solve issues in existing and future projects.

Customers will be able to use a control platform as a simple unified system to deliver professional output and make simple day-to-day modifications without the need for expensive support calls.

This How-To Guide showcases TSL's Robotic Camera capabilities.

BEFORE YOU START

This document assumes you have set up router control, as described in Step 1 of TSL Control Systems: Functionality Deep Dive: #1 Router Control.

SCENARIO

This guide provides instruction on how to add a camera to a TallyMan system and setup a control panel using TallyMan Virtual Panel for complete control over PTZ (Pan Tilt Zoom) cameras for granular control, preset set/recall and tally control.

WHY PTZ CAMERAS?

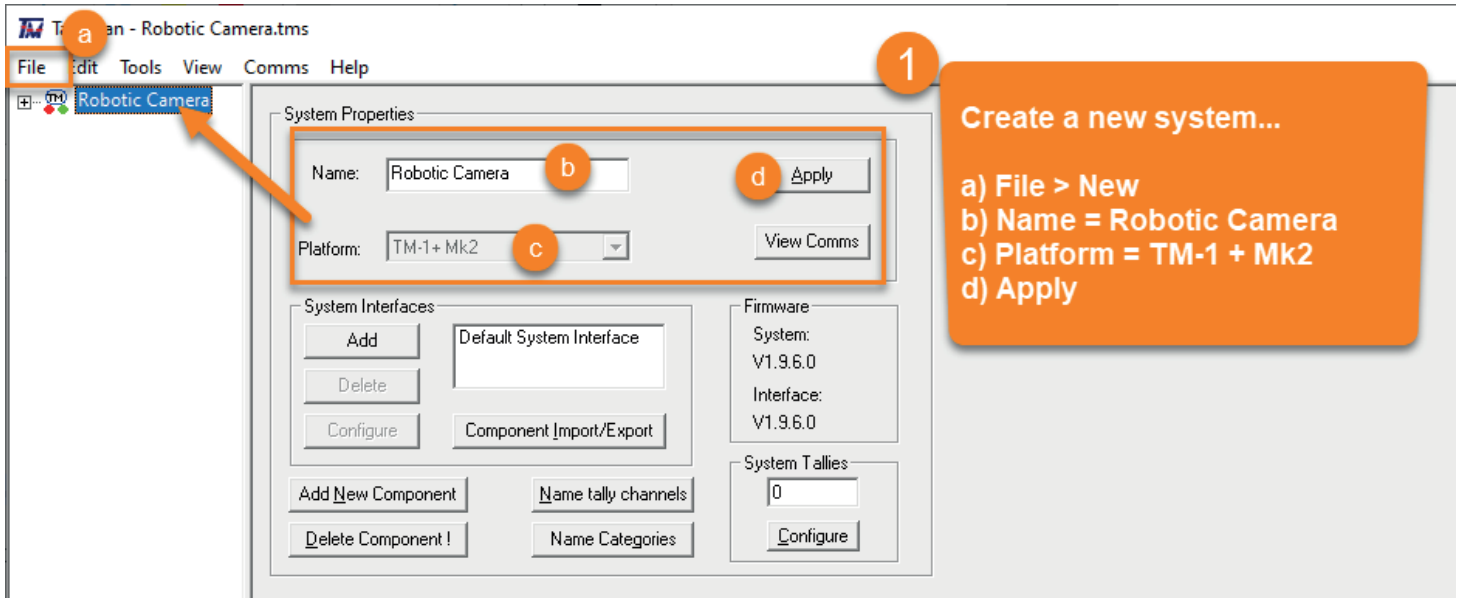
PTZ cameras can be inconspicuously placed throughout a studio or event space without obstructing audience views. Furthermore, PTZ cameras give you more flexibility in the type of angles you can capture.

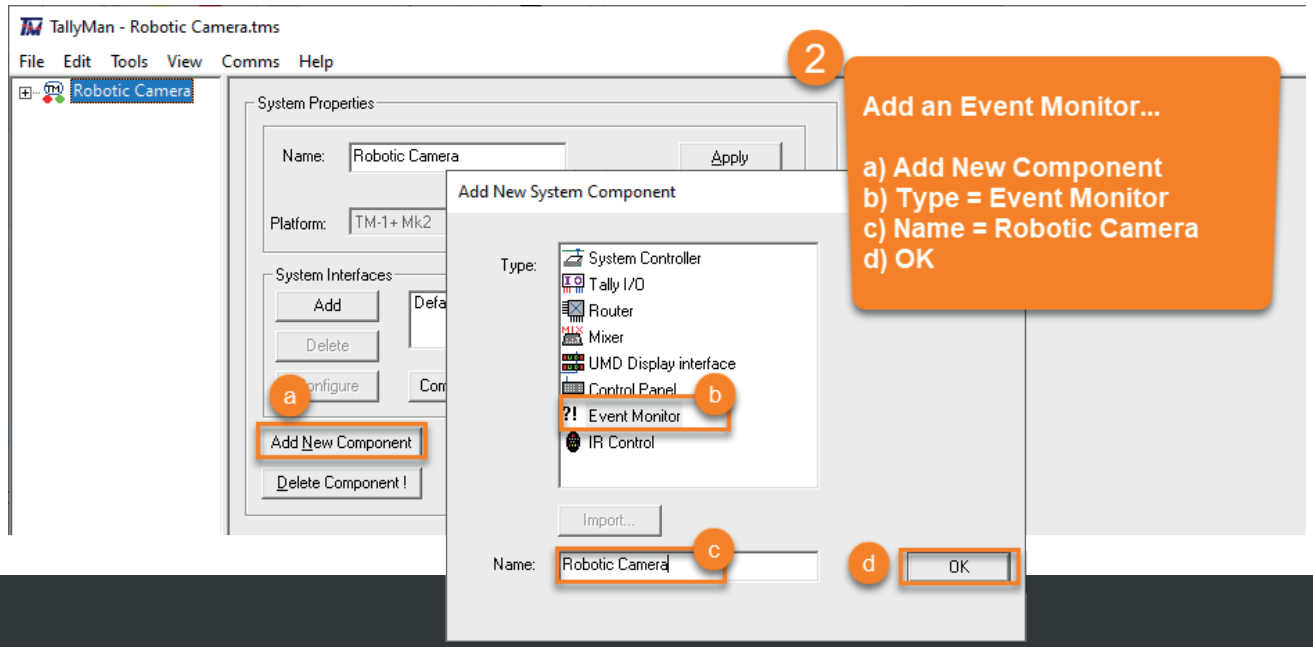
Also, a number of PTZ cameras leverage Ethernet, which is appealing to broadcasters and AV professionals for simpler cabling.

Arguably the primary reason for ascendancy of demand for PTZ cameras in all production spaces is the need to do more with less. Video technology has advanced to the point where relatively affordable PTZ cameras can deliver 'close enough' and even equivalent results compared to considerably more expensive studio and ENG cameras. When you add that overall cost-effectiveness with the flexibility of installation, and the ability to automate and remotely control the PTZ cameras, the benefits multiply.

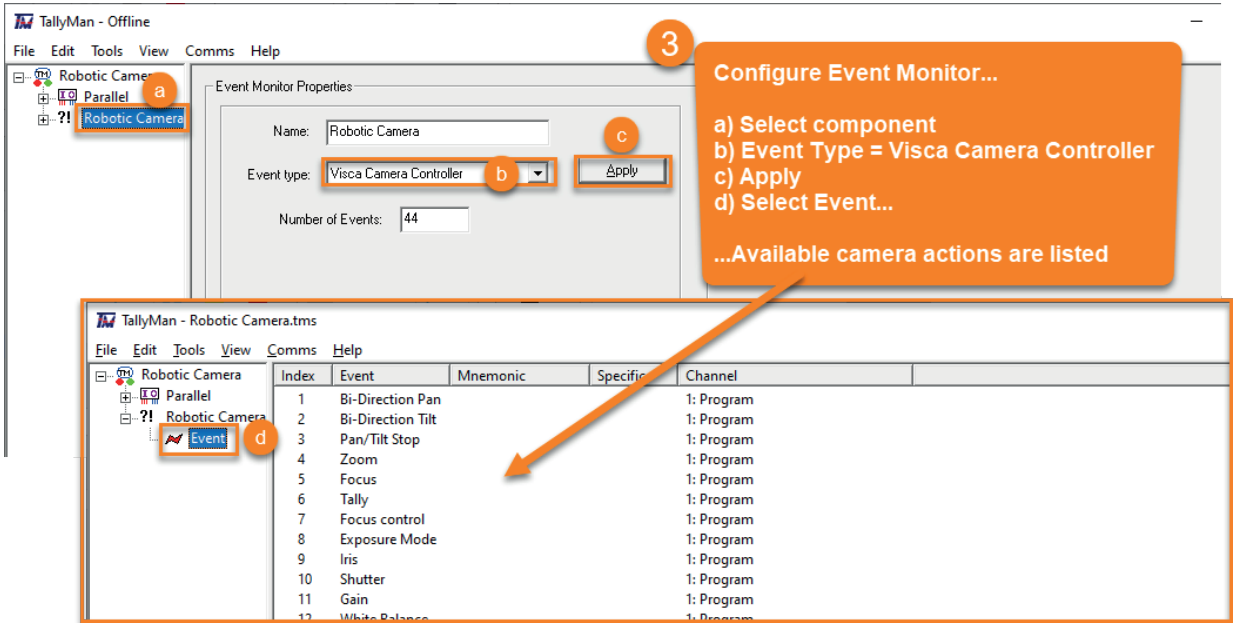
Continue Reading on the Broadcast Bridge >

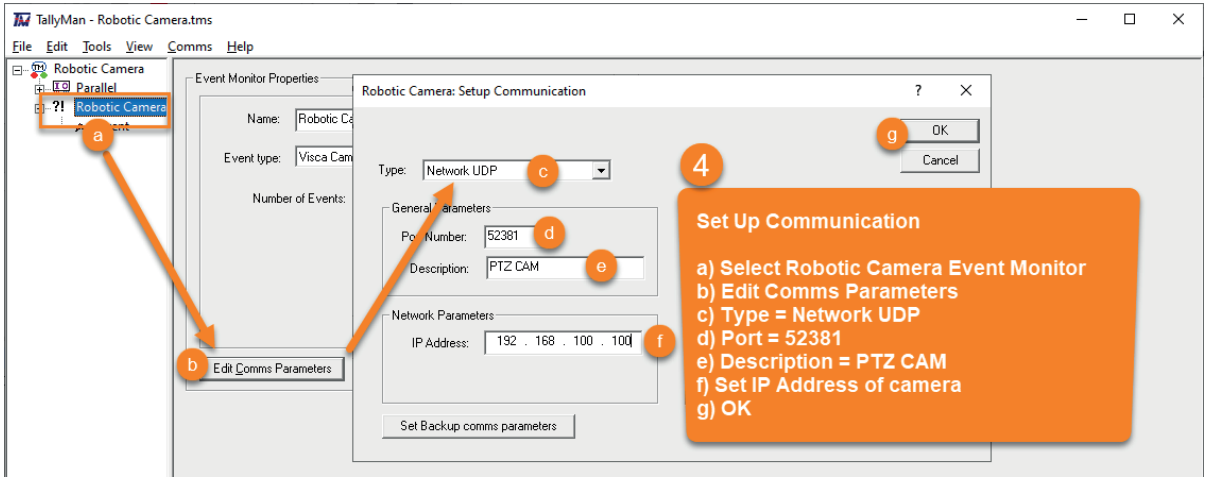
1. SET UP THE CONFIGURATION





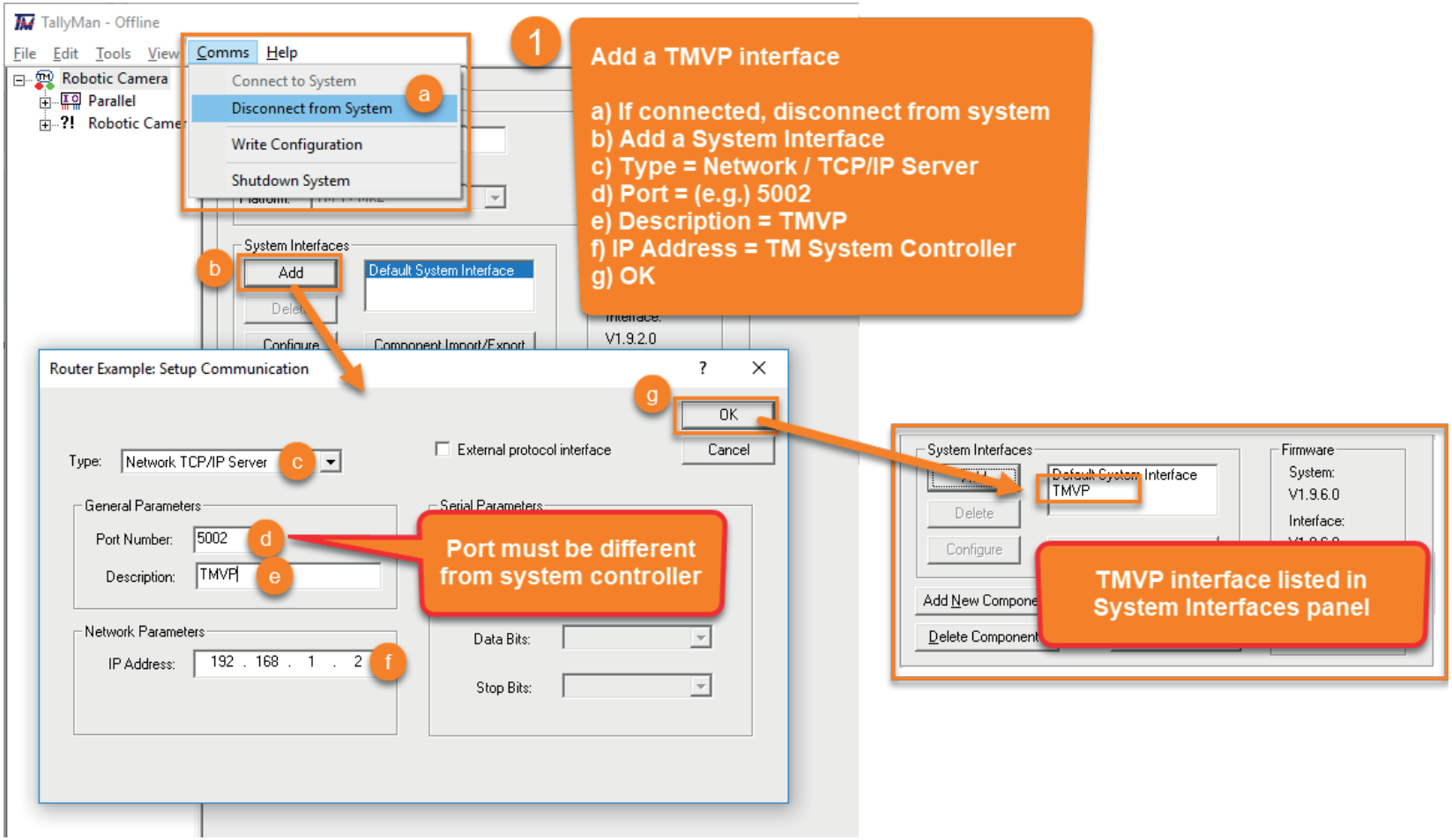
2. CONFIGURE THE EVENT MONITOR





3. ADD THE TMVP INTERFACE

Note: This procedure requires that you connect to a different IP port.



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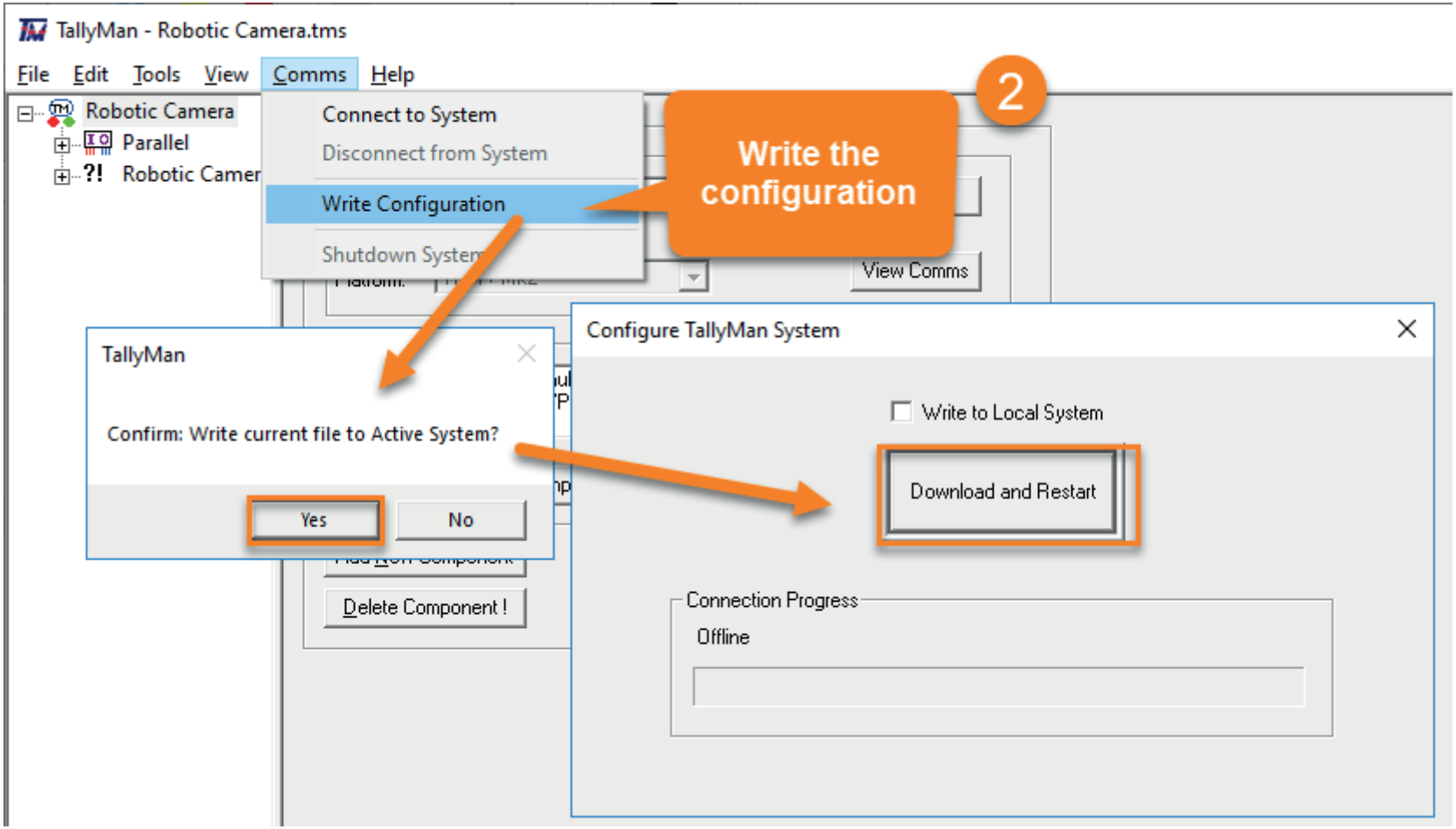
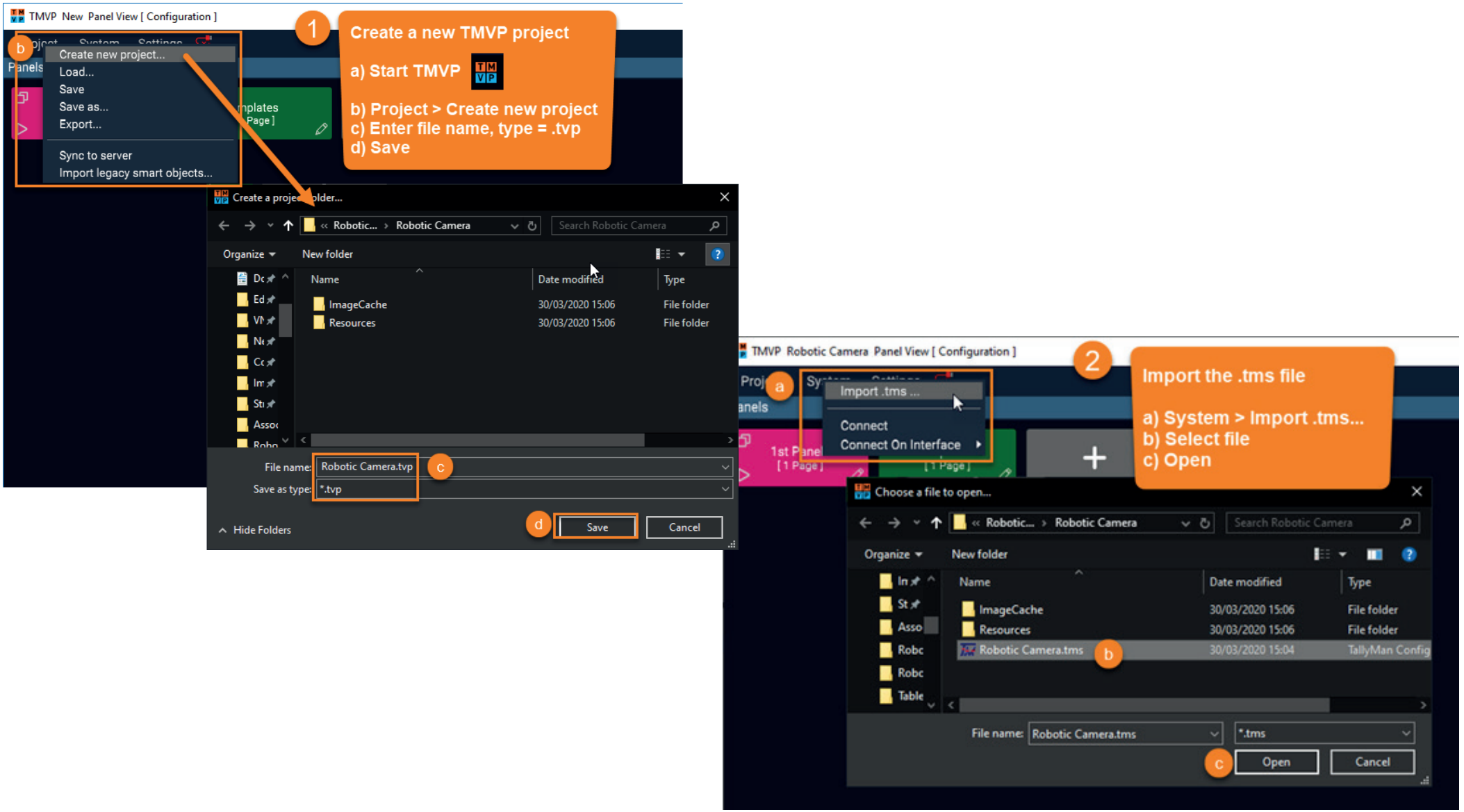


4. CREATE THE TMVP PANEL



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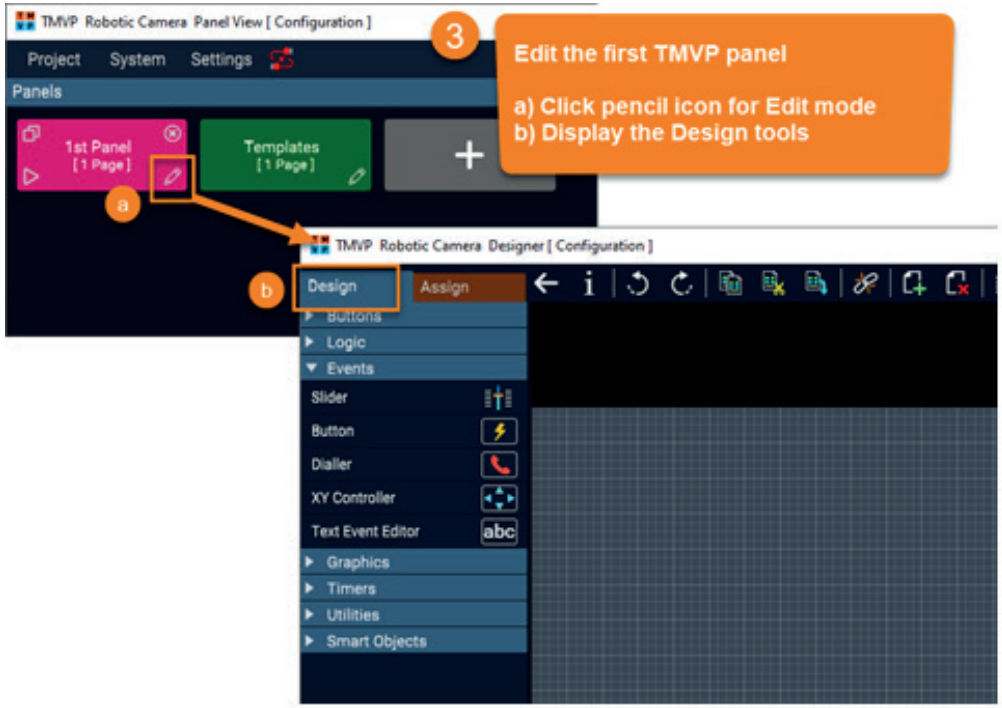

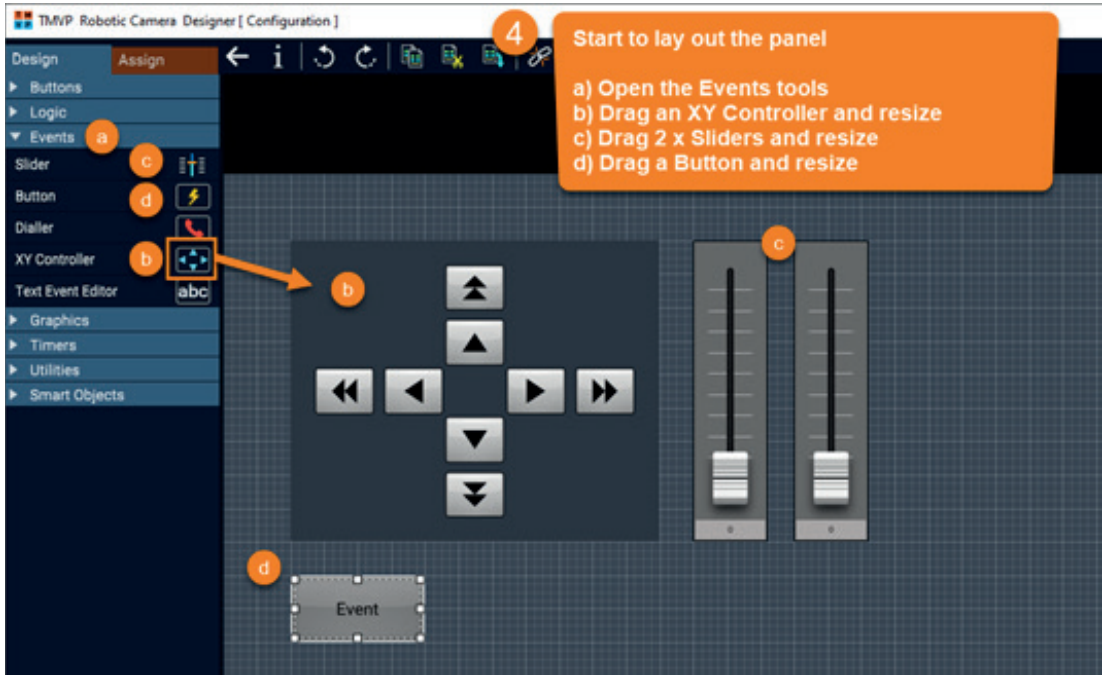

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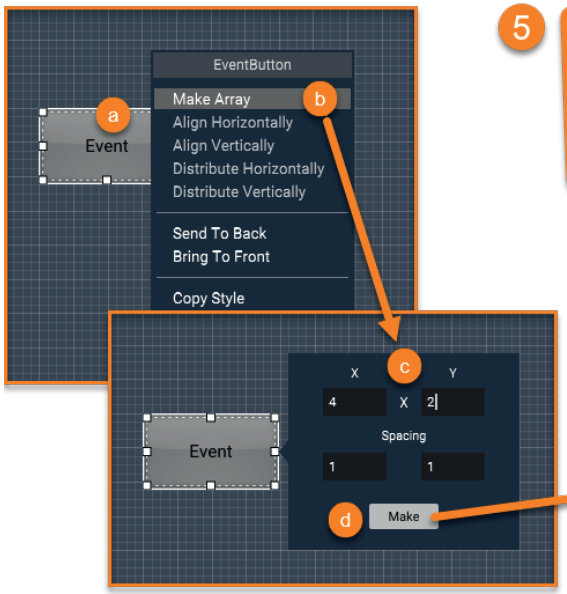

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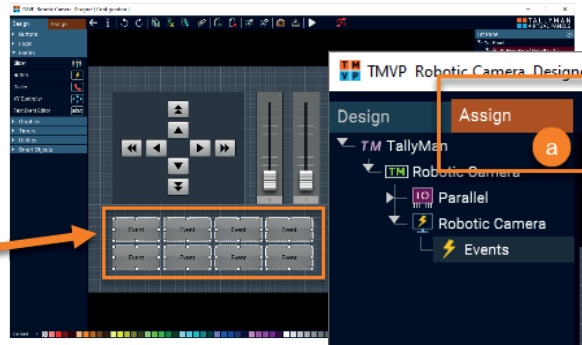
Make an array of buttons

a) Right-click on the Event button
b) Choose Make Array
c) Specify 4 x 2 in the dialog
d) Click Make



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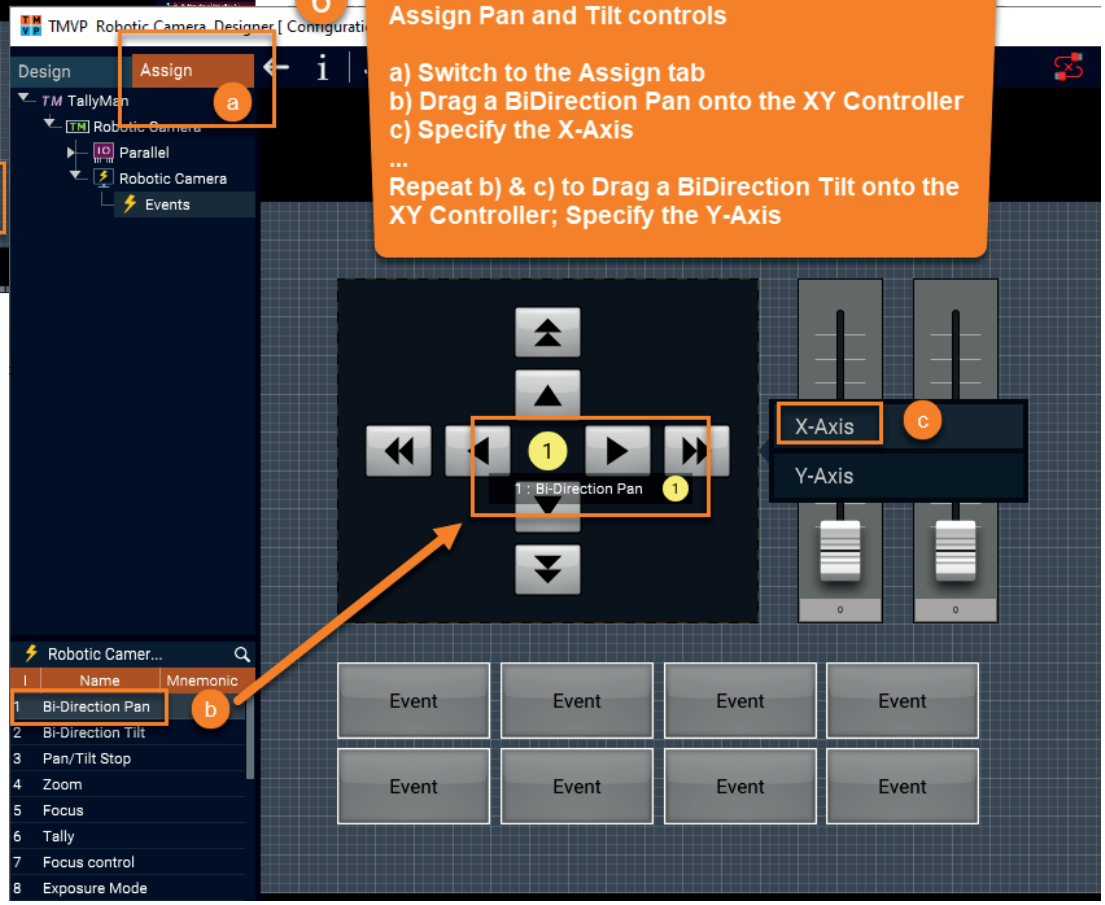
Assign Pan and Tilt controls

a) Switch to the Assign tab
b) Drag a BiDirection Pan onto the XY Controller
c) Specify the X-Axis
...
Repeat b) & c) to Drag a BiDirection Tilt onto the XY Controller; Specify the Y-Axis



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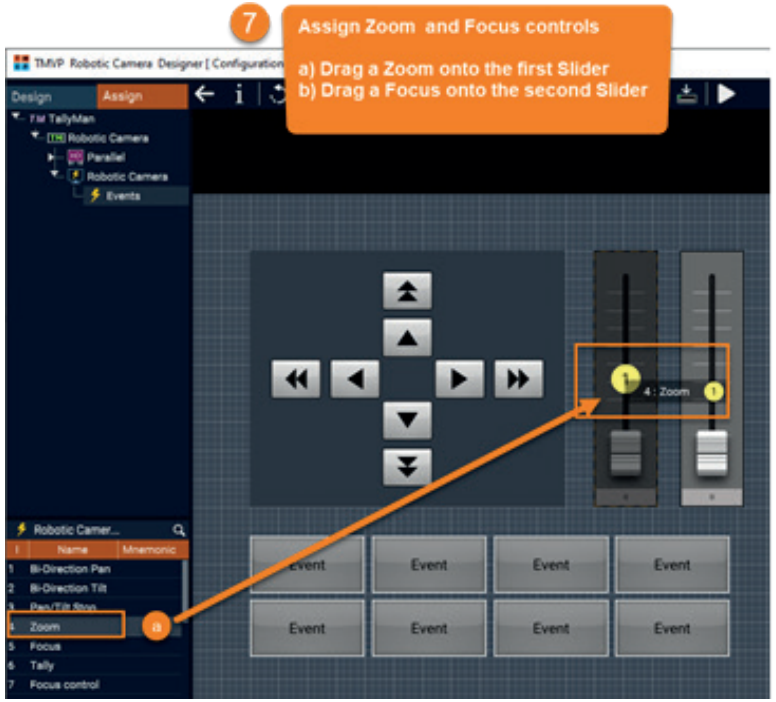

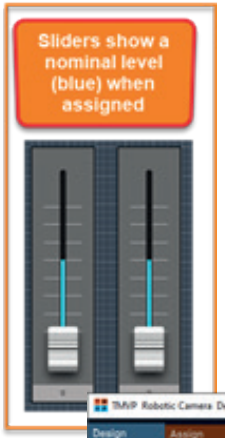

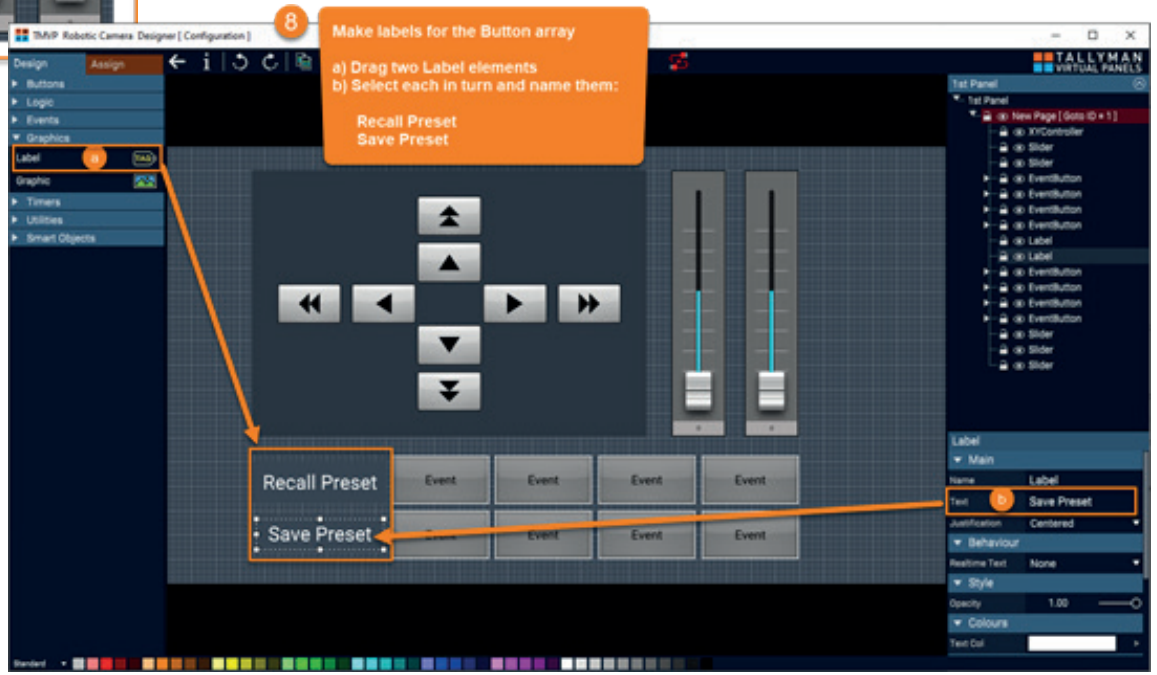

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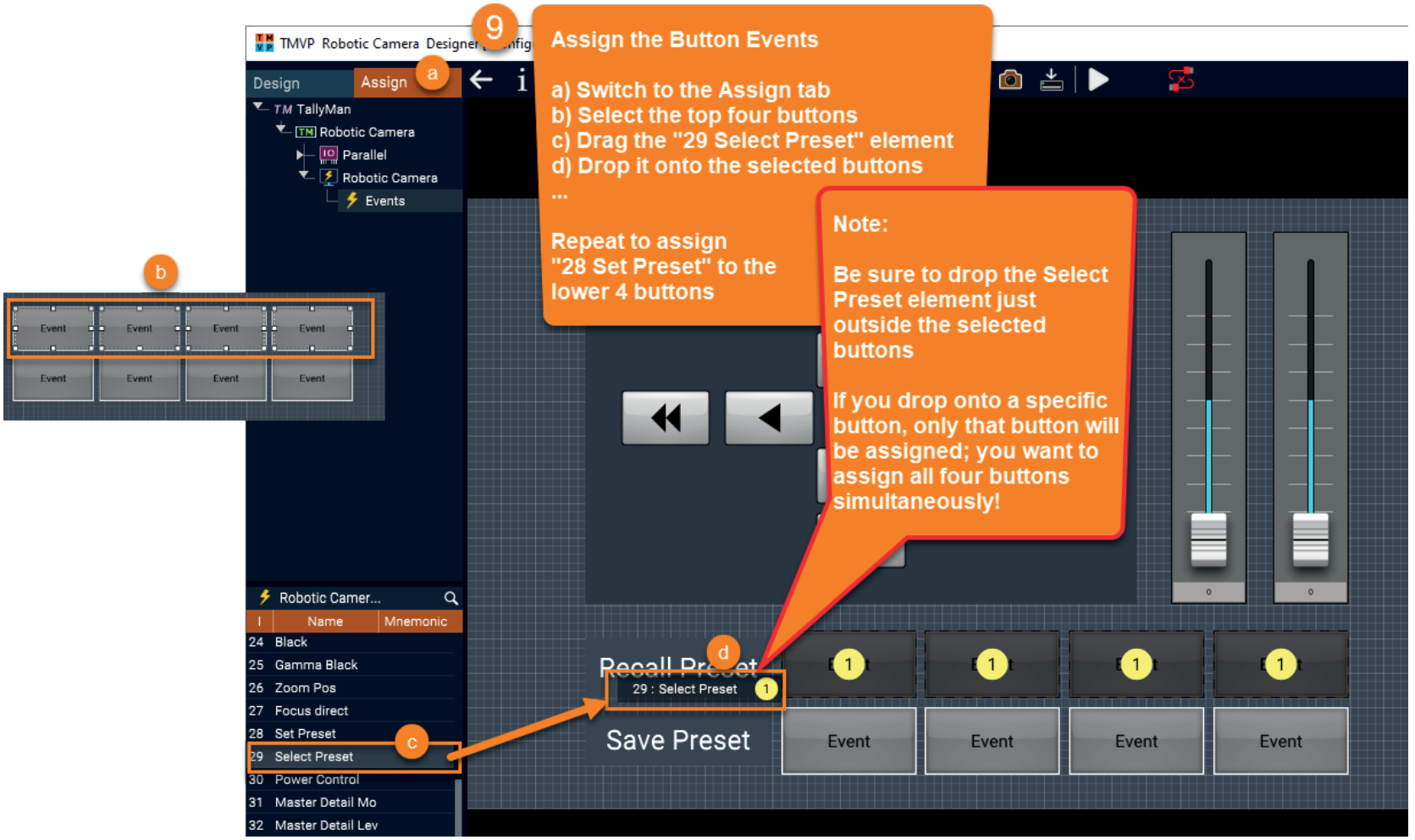

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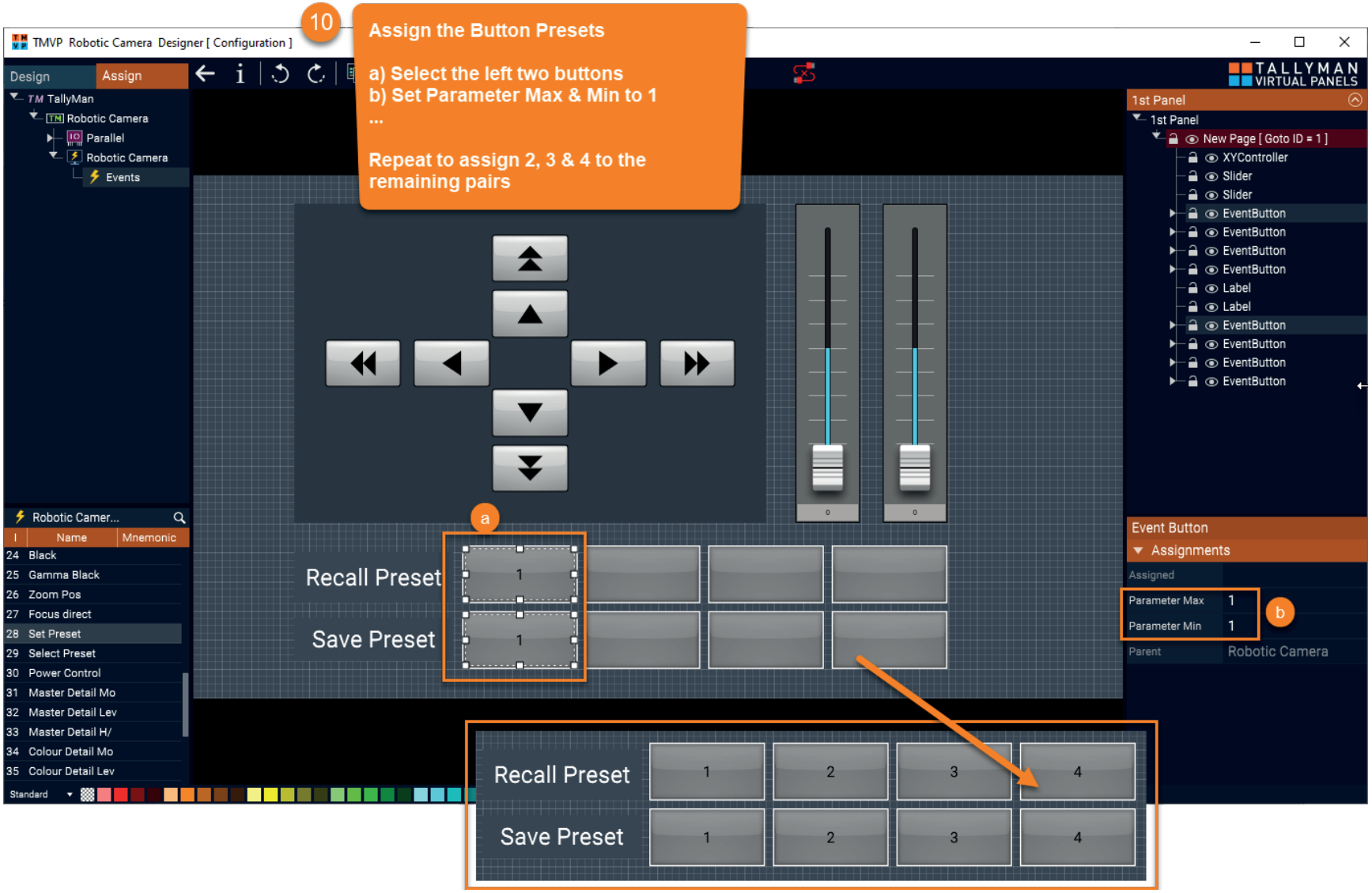

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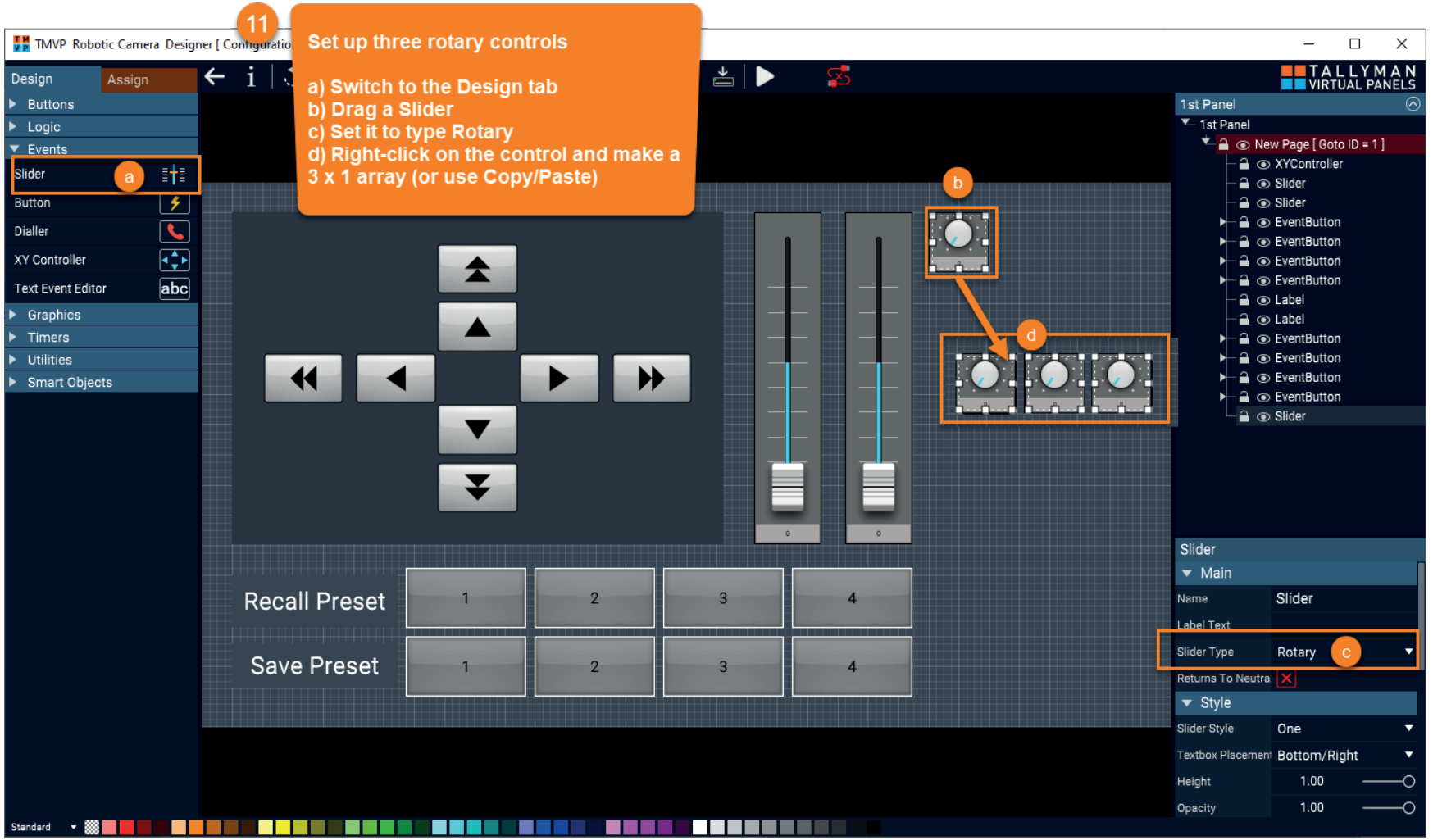

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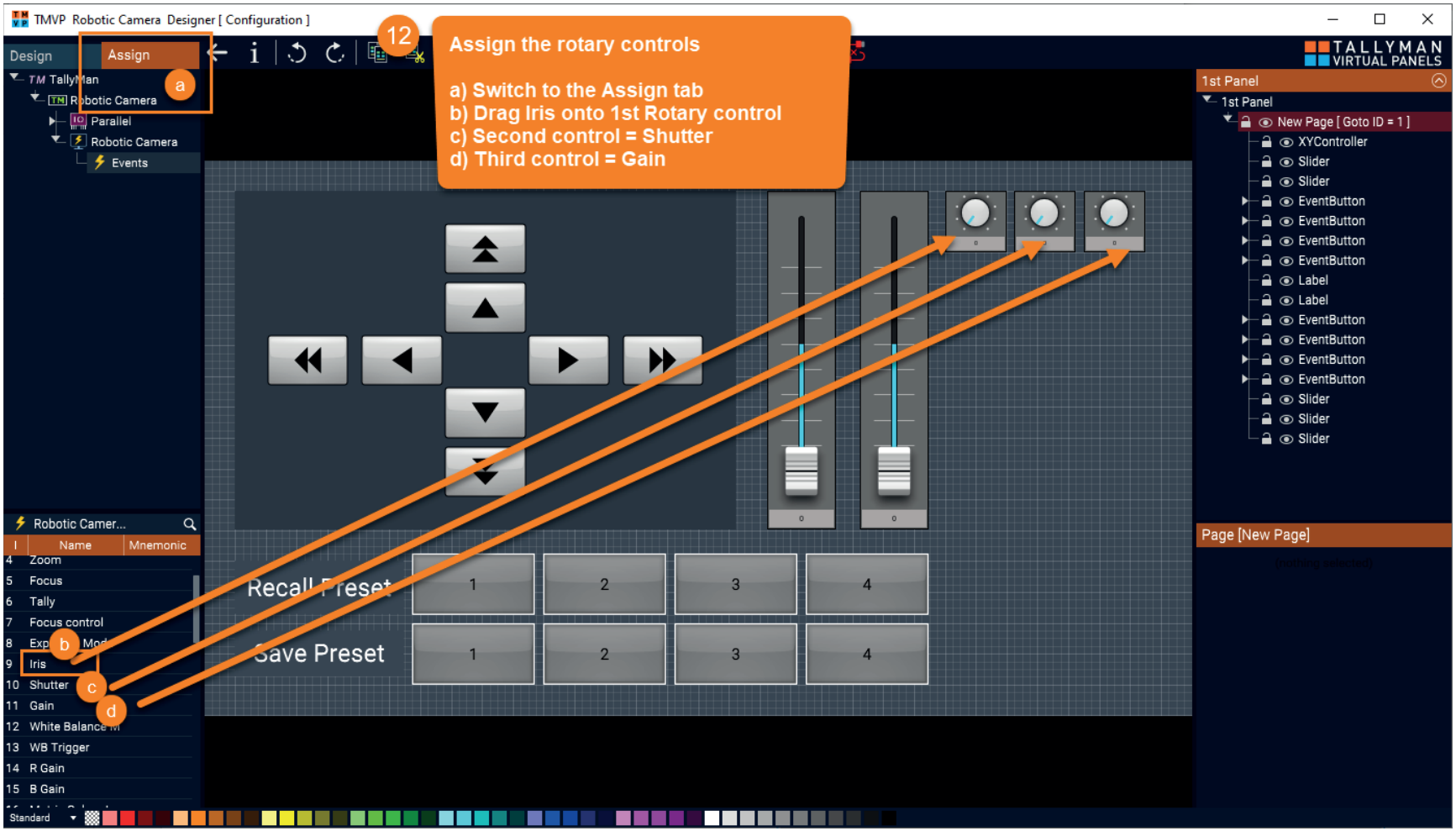

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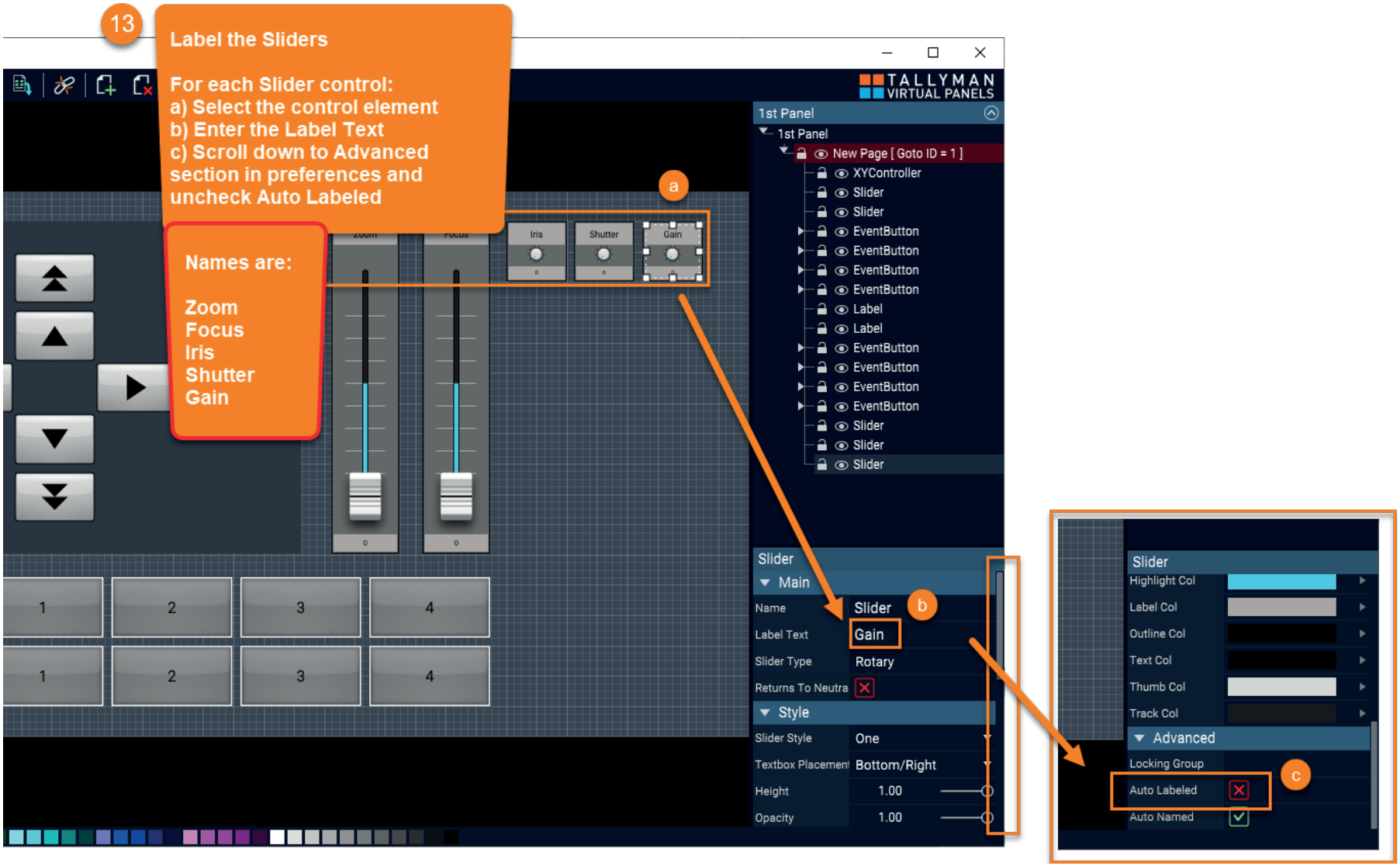

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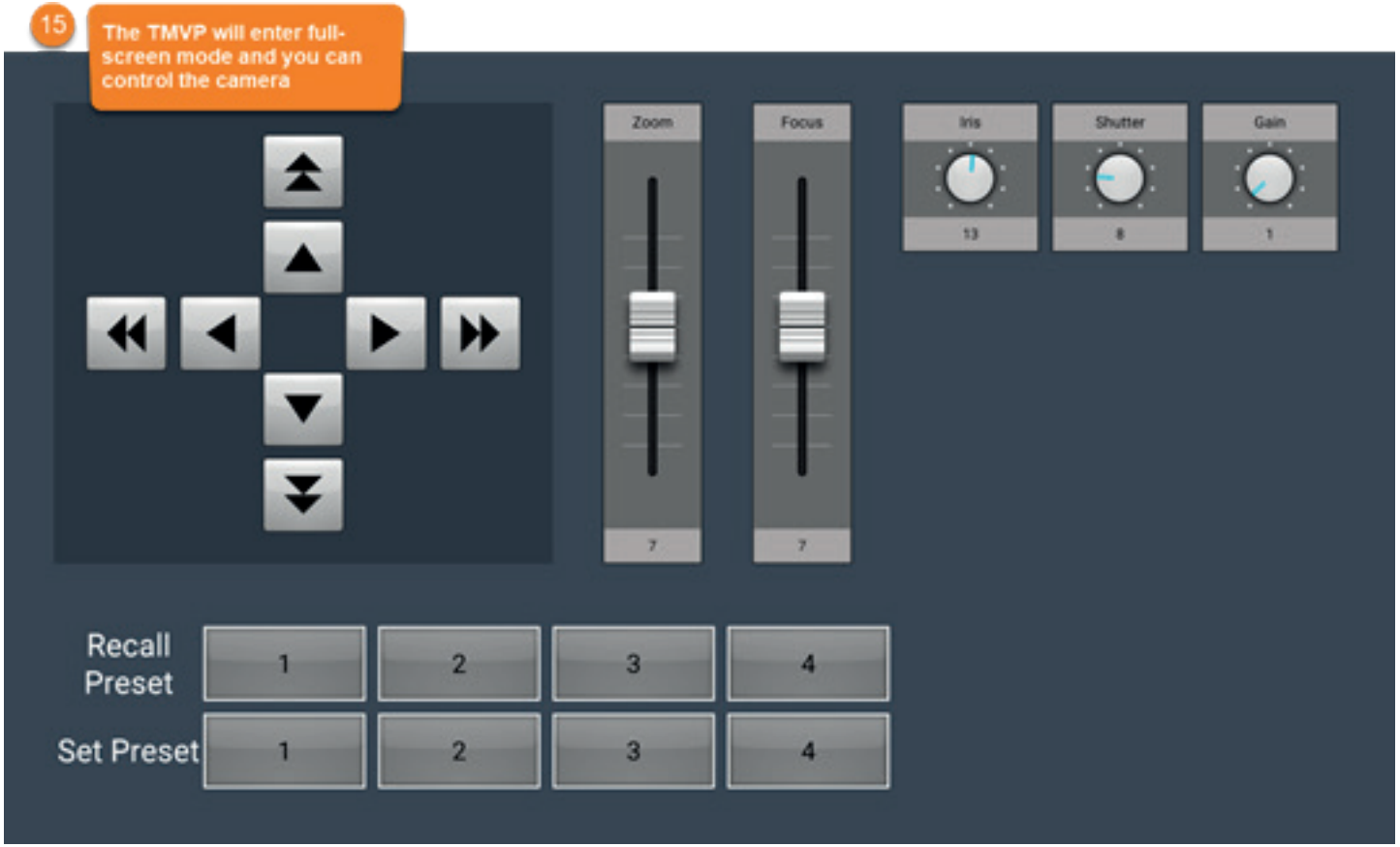

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