APEM VM Desktop Joystick Quick Start Guide

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This document describes how to configure an APEM VM Desktop joystick in DashBoard. This is a recommended joystick for camera control applications, because it has two extra jog wheels, which are set to control iris and focus on the camera. This document provides step-by-step instructions to quickly configure the APEM VM Desktop joystick by loading settings from a pre-configured **.joystick** file. Ensure that all steps are followed to achieve a successful setup.

If you would like to setup other controls or another configuration then please refer to the manual, **Adding a USB Device to Control Cameras**, for more detailed information.
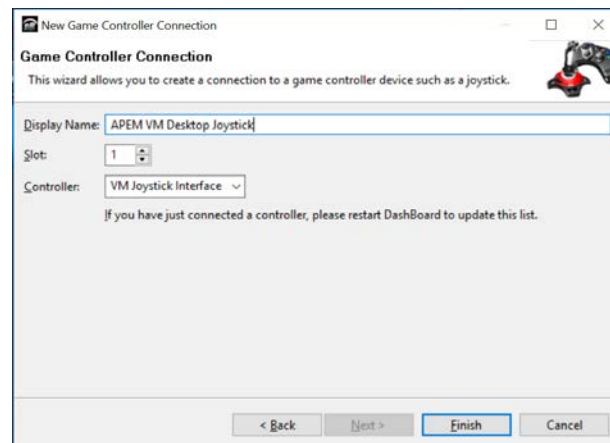
Before you Begin

Make sure to download the joystick configuration file that comes with these instructions on the Ross Video website.

Installing the Joystick to DashBoard

1) Connect the APEM joystick's USB cable to the computer that DashBoard is installed on.
2) Launch DashBoard (must be DashBoard v8.3 or later).
   a) Note: If DashBoard is running before the joystick is connected, or if the joystick is removed while DashBoard is running, DashBoard loses the connection with the joystick and the joystick will not work. If this happens, restart DashBoard.
3) Start the DashBoard Camera Panel associated with the camera type that is being used.
   a) Set up the DashBoard Camera Panel as normal (setting up all the cameras and ensuring that they are functioning properly using the DashBoard Camera Panel, such as having control using the virtual joystick and being able to store/recall shots).
4) Press CTL + N to add a new device to DashBoard (or select **File> New > Other** and expand **Input Devices** and select **New Game Controller**).
   a) Select **New Game Controller** from the pop-up menu.
      i) Give the joystick a name in the **Display Name** field. (Optional)
      ii) Set **Slot** to **1**.
      iii) Select **VM Joystick Interface** from the **Controller** drop down.
         Note: If **VM Joystick Interface** is not available from the drop-down menu restart DashBoard, as the connection was made after DashBoard launched and there is no joystick context. If it is still not available after restarting DashBoard, check the DashBoard **Basic Tree View** to ensure that the joystick is not already present.

Setting up the Joystick Controls

1) Double-click the installed joystick from the **Basic Tree View** in the upper left-hand side of DashBoard to bring up the Game Controller interface.

2) In the bottom right corner click the **Load** button, navigate to the provided **.joystick** file, and click **Restore**.

This adds the required Device Classes and sets all of the Axis Controls and Buttons.

3) In the **Basic Tree View** expand **DashBoard Services** and double-click **Device Class Mappings**.

a) From the Selected Device column, set them all to the installed joystick from the drop down if available, or Selector UI Mapping on DashBoard Selector Service if the joystick is not available from the drop down.

4) In the **Basic Tree View** expand **DashBoard Services** and double-click on **Selector UI Mappings**.

a) Press **Add Mapping** button in the bottom left corner.

b) Set the **ID** to **0**, change the name to match the camera, and select the **DashBoard Camera Panel** from the **UI Primary Identifier** drop down under the **Open Panels** area.

c) Repeat the steps above to add mappings for each button and increment the **ID** value to relate to the next button on the joystick.

5) At the bottom center of the **Select Mapping** interface have **UI Follows Selection** turned **OFF**.

Note: If this is set to **ON,** then when a button is pressed the **DashBoard Camera Panel** will become the active panel (which means leaving the Lightning interface).

Testing the Joystick

1) Go to the **DashBoard Camera Panel** and press the **C1** to **Cn** buttons (where **n** is the number of cameras that have been set up in **Step 4** of the "Setting up the Joystick Controls" procedure). Verify that the assigned camera is selected.

2) Move the camera using the PTZ joystick, including twisting the joystick to zoom.

3) Twist the outside jog wheel on the top right corner of the APEM VM Desktop joystick to adjust the focus.

4) Spin the inside jog wheel on the top right corner of the APEM VM Desktop joystick to adjust the iris.

5) Go to a different DashBoard panel (such as **Lightning**) and retest steps 1 through 4 to ensure that you can control the camera outside the DashBoard Camera Panel.