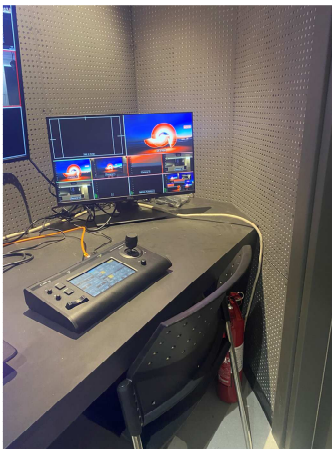


## Training on the Canon RC-IP100 controller

### General

So you are about to have your first production at the cine studio's control room but you need to know how to use the canon RC-IP100 in order to do a good job. This guide covers everything you need to know



It is located on the right side of the control room, close to the door. It is a black rectangular controller on the desk. Refer to the image shown.

Now regarding specifications, it has a mini touchscreen in the centre of it and a joystick on the top right with a zoom on the bottom left. There are also user assignable buttons and customizable control knobs.

In the centre is the mini touch control panel.



## Specifications and left portion of screen

The controller has two customizable control knobs on the left marked f1 and f2 as well as two customizable buttons marked user1 and user 2. Underneath that there is a zoom swivel button which is not customizable and will always only zoom.

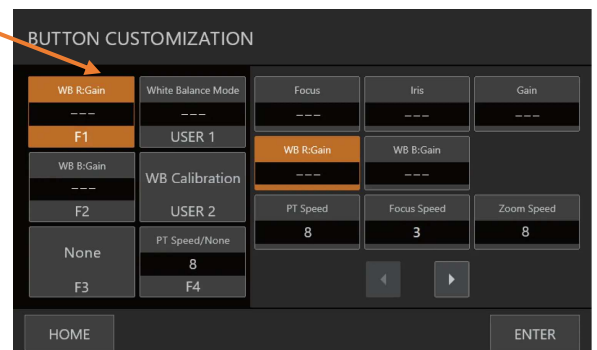
On the right there is a joystick marked f3 and another control knob marked f4 which are both

customizable. Moving the joystick in various directions will move the camera accordingly, however, the cameras are only able to move on one axis at a time meaning that unless you are moving extremely slowly, diagonal movements are impossible. the joystick is also able to rotate, the rotation is customizable.



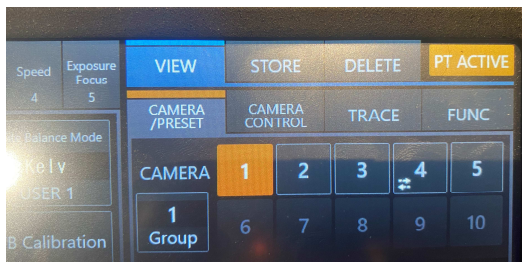
In order to customize the functions of the buttons, head to the left side of the screen, there you will see 6 boxes for each of the

customizable keys, each box displays the current function of each of they keys. Pressing on these will open a menu which shows all the possible options that can be attached to a given key which you can then choose these options range from simple settings such as ISO, Iris and focus to settings that are specific to the PTZ system such as pan and tilt speed, focus speed, zoom speed. It is important to adjust all those settings before an event



in order to find the most comfortable setup for you. Note that not all of the customizable keys have the same options available to them. The left side of the screen also has 5 submenus at the top marked white balance, black balance, black r/b, speed, exposure focus. These submenus act as presets meaning you can assign different functions to the customizable keys in 5 presets and switch through these presets by choosing the desired submenu.

## Right portion of screen



On the right portion of the screen you will see 3 menus. They are marked **VIEW, STORE, DELETE.**

By default, you will be in the **VIEW** submenu which allows you to select



and move around every camera,(the controller supports 10 cameras but we are only using 1-5) adjust camera settings and select 1 out of 10 available presets for each of the cameras.

To select a camera press on one of the 10 numbers which are to the right of the 'CAMERA' title and to select a preset, press on one of the 10 numbers to the right of the 'PRESET No' title.

**The PT active button on the top right allows you to control the pan and tilt of a camera when highlighted.**



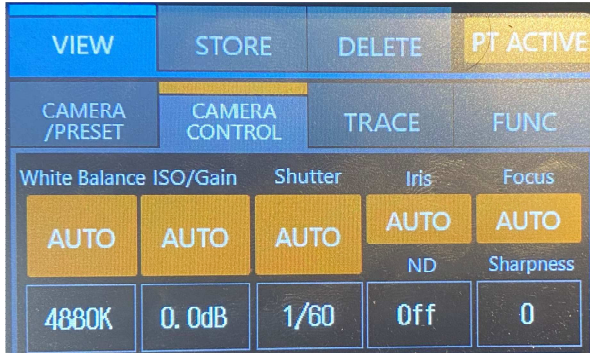
When in the **STORE** menu you will not be able to activate presets, the store menu is only used to save presets. In order to do this, while in the **VIEW** menu, select a camera, select the exact camera position,

zoom, exposure setting, white balance and black balance if needed, then head over to the **STORE** menu and press on the camera number and preset number that you want to overwrite or if it is empty, assign the settings to and click ENTER at the bottom right of the screen. In order to switch through camera presets again you have to go back to the **VIEW** menu. The controller can also record camera movement like a set pan or tilt for easier movement during production. Start by selecting the desired camera, set to position one (like the first preset) and press "Store" and then you can now set the next position to be on the next preset.

The **DELETE** menu works similarly, however it is used to wipe presets.

Under the menu you will also see 4 submenus. The ones that interest us at this point in time are **CAMERA/PRESET** and **CAMERA CONTROL**.

**CAMERA/PRESET** is the default selected submenu and will show everything that was described previously including cameras and presets. However, **CAMERA CONTROL**, displays camera



settings which you can adjust, these settings are White balance, ISO, Shutter, Iris, ND, Focus and Sharpness. It is important to make sure that all these settings are set to manual instead of auto. So far it is not possible to

accurately control the iris from this submenu, meaning the only way to control the iris is by assigning the iris control to one of the customizable control knobs via the left side of the screen. It should also be noted that it is possible to assign all of these settings to the customizable knobs/buttons for easier access.

## Advice

- If you assign focus to the f4 knob, you will be able to quickly autofocus on a target by holding down on the knob, once you release you will be back in manual focus as long as your settings are set to manual. This is useful especially when focusing on the audience as it is very dark catching focus is difficult
- The focus usually when adjusting the focus through one of the knobs, give it about half a second to register the change
- When focus is assigned to one of the knobs, on the left side of the screen, you will be able to see ‘focus units’ in the corresponding box. These units act as a substitute for

distance. It is possible to memorize the focus number/unit required for focusing on an object in specific parts of the cine studio

- When at an event which has various speakers that are going to be moving all over the stage, it does not make sense to create a variety of presets for camera positions. It is more effective to create one wide preset for each camera as a

“backup” or a quick way to reset. When a speaker is moving around you are most likely going to be tracking the entire time with one camera while the other 3/4 will be at



continuous wide/medium wide positions on the audience or stage.

- Setting the zoom to the joystick (f3) rotation is ineffective as if you have to zoom while moving the camera, it is much more difficult, furthermore, it is possible to accidentally zoom in or out when adjusting the camera tilt or pan.