Setup Guide

for use of XL Motion Controller with Panasonic® Remote Camera Controllers

Version 1.2

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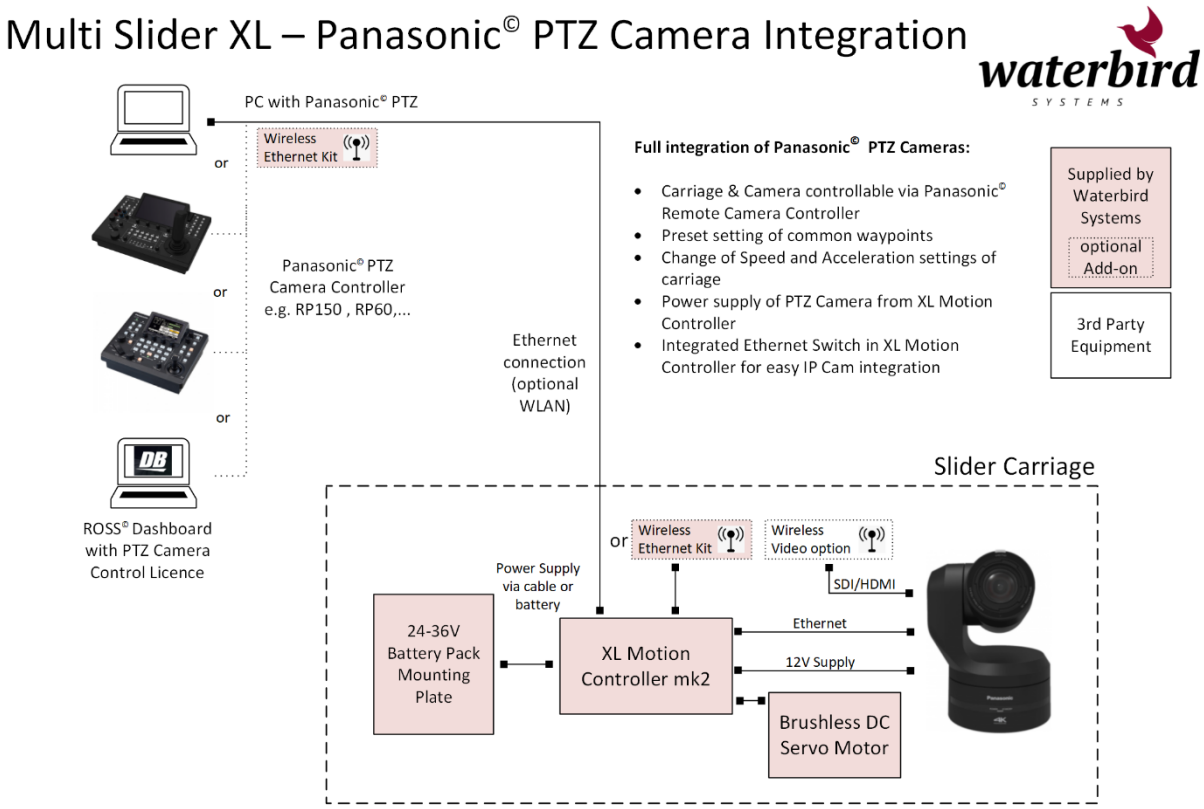
1. Introduction

The XL Motion Controller is capable of being controlled via Panasonic® PTZ Control protocol via Ethernet Interface from Firmware Version 920 and later.

Before setup the System, make sure the License Option is activated in your XL Motion Controller.

This can be checked via Motion Control Software. Also, the activation code can be entered via the Motion Control Software. Check Chapter “Control via Ethernet” in the XL Motion Controller Manual that can be found here: https://waterbird.at/support/



2. AW-RP150

2.1 Preparation

1) The newest Firmware Version shall be installed on the Panasonic AW-RP150 Camera Remote Controller. Minimal required version is 2.20-00-0.00.

   Please visit

   https://eww.pass.panasonic.co.jp/pro-av/support/content/download/EN/top.html

   for updates of your Camera Remote Controller.

2) Make sure all Devices (PTZ Camera, AW-RP150 and XL Motion Controller) are in the same Network and set to the same IP Subnet.

   XL Motion Controllers Standard IP is 192.168.2.20. You can use the Config Utility for setting to another IP address. Please refer to XL Motion Controllers User Manual how to change IP address. (Manual and Config Tool to be found here: https://waterbird.at/support/)

3) On the AW-RP150 the Camera Auto Power setting should be set to OFF. (Menu SETUP -> 1 CAMERA -> AUTO POWER : OFF)

   This is recommended to prevent the slider from doing a reference run each time you power on the AW-RP150.

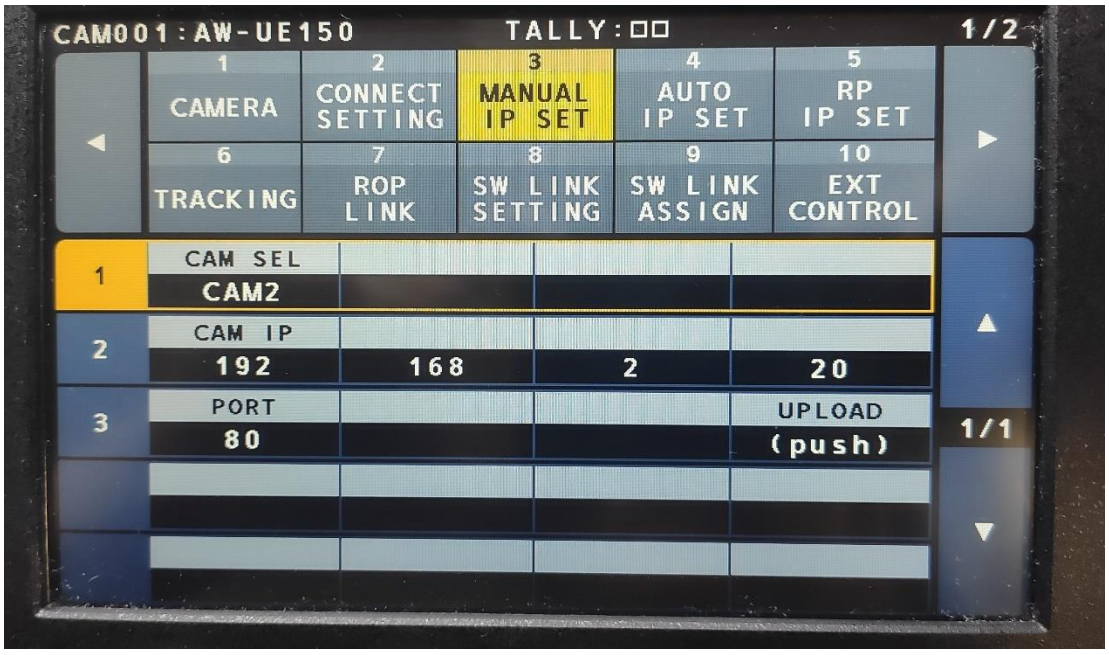
4) No HMI Unit shall be connected to the network while using the AW-RP150 Setup

2.2 Setup

1) On the AW-RP150 select a not used Camera Number that you would like to have the Slider mapped to. In this example Cam 2 is used, but you can choose whatever Nr. fits to your setup.

   Press Button System and select on Screen the tab “3.Manual IP Setup”.

   Select the Camera Number you choose for the Slider and enter the IP of the Slider:



Select “UPLOAD” to save the settings.

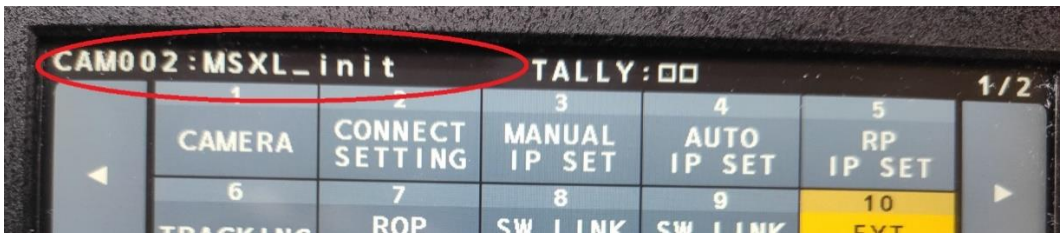
In case the Camera Number you selected for the Slider is not set to Lan connections you need to set this in Menu SETUP -> 2 CONNECT SETTING -> CAM Nr. – CNNCT MD. to LAN

2) Now the Slider should be connected and shown like this:

3) Next hold down the Camera Nr. Button of the Slider (in this example Nr 2). The Popup will appear:

While keep holding the Camera Nr. Button push on “ON” on the screen. Only then release the Camera Nr. Button. The Slider is starting the reference run.

When finished, the name will change to “MSXL_init”:



Now you already good to go to control Slider via separate virtual camera.

If you also like to control the Slider via Zoom Rocker on your Joystick while controlling the PTZ Camera, follow with step 4.

4) Press Button “System” and select on the screen the tab “10.EXT CONTROL”

On first row of this menu set:

CAM SEL: Number of Camera that is mounted on the Slider (not the Nr of the Slider!)

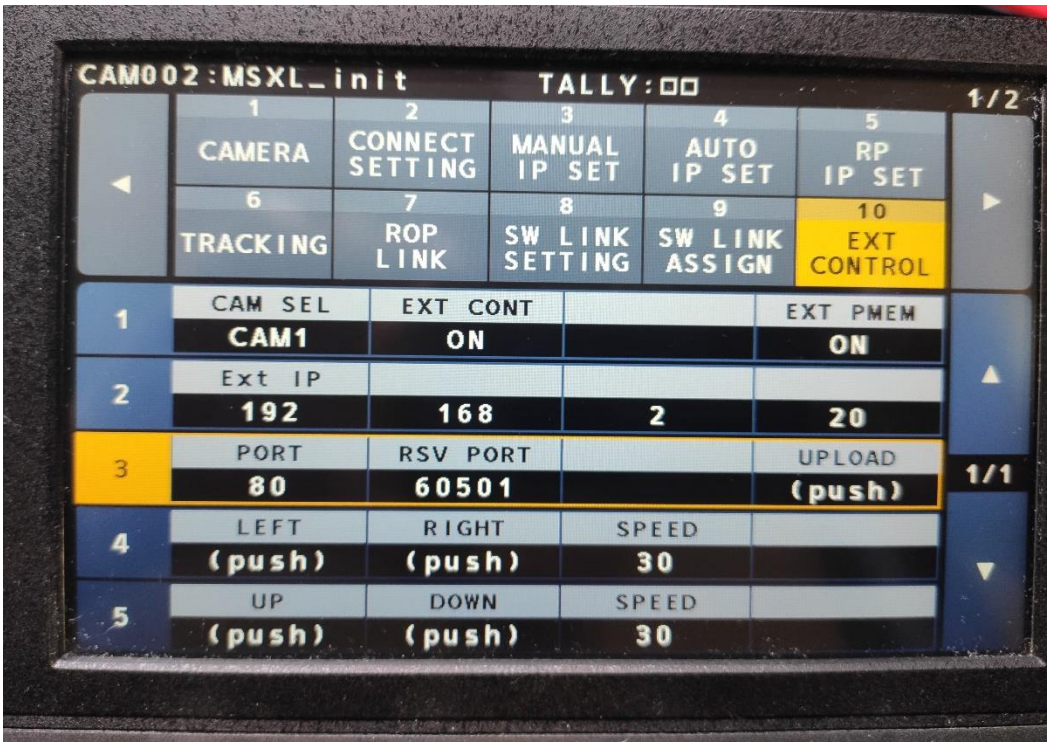
EXT CONT: ON

EXT PMEM: OFF

On second row enter the IP of the Sliders Control Unit (in this case 192.168.2.20)

On third row: PORT: 80, RSV PORT 60501

Then select UPLOAD to save the settings.



5) Now you are good to go to use the slider also as “ext Control” device.

2.3 Operation of the Slider

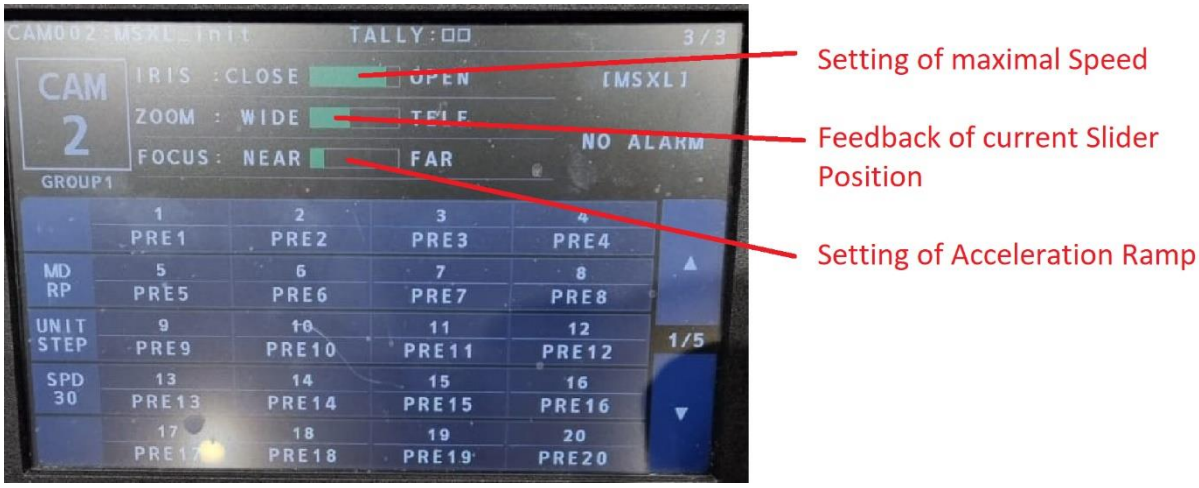
There are two ways to control the Slider. Both can be switched as you like, and the situation need:

1) As separate Camera

By selecting the Camera Number of the Slider (in this example Nr 2) you can move the Slider via moving the Joystick left and right. The sensitivity of the Joystick can be adjusted via the Speed knob left to the Joystick.

Also saving and recalling of preset positions is possible, like a PTZ camera via PMEM functions.

The maximal speed and acceleration (ramp) can be controlled by focus/iris settings. When put on auto – the settings will be reseted to 50% of maximal value.



2) As “Ext. Control” Device

For this select the Camera Nr. of the Camera that is mounted on the carriage. (in this example Cam 1).

The Slider can be moved by using the Zoom lever on the backside of the Joystick.

By moving the Joystick, the Camera can be controlled. This way simultaneous operation of Camera and Slider is possible.

3. AW-RP60

3.1 Preparation

1) The newest Firmware Version shall be installed on the Panasonic AW-RP150 Camera Remote Controller. Minimal tested version is 2.50-00-0.00.

   Please visit

   https://eww.pass.panasonic.co.jp/pro-av/support/content/download/EN/top.html

   for updates of your Camera Remote Controller.

2) Make sure all Devices (PTZ Camera, AW-RP60 and XL Motion Controller) are in the same Network and set to the same IP Subnet.

   XL Motion Controllers Standard IP is 192.168.2.20. You can use the Config Utility for setting to another IP address. Please refer to XL Motion Controllers User Manual how to change IP address. (Manual and Config Tool to be found here: https://waterbird.at/support/)

3) On the AW-RP60 the Camera Auto Power setting should be set to OFF. (Menu SETUP -> CAMERA -> AUTO POWER : OFF)

   This is recommended to prevent the slider from doing a reference run each time you power on the AW-RP60.

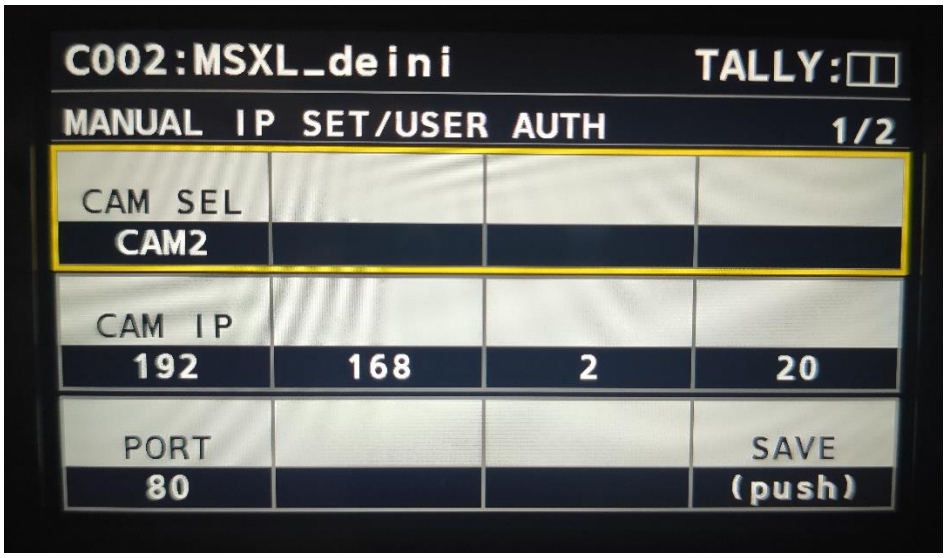
4) No HMI Unit shall be connected to the network while using the AW-RP150 Setup

3.2 Setup

On the AW-RP60 select a not used Camera Number that you would like to have the Slider mapped to. In this example Cam 2 is used, but you can choose whatever Nr. fits to your setup.

Press Button Menu -> System -> Manual IP SET ->

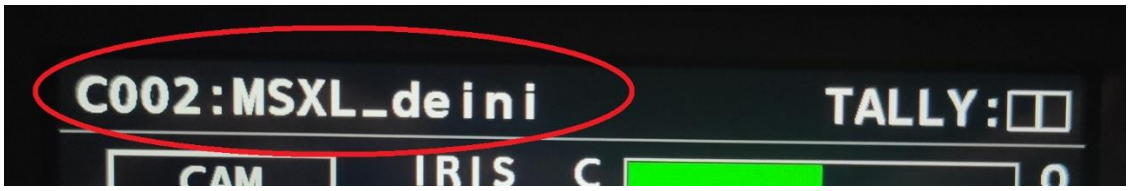
Select the Camera Number you choose for the Slider and enter the IP of the Slider:



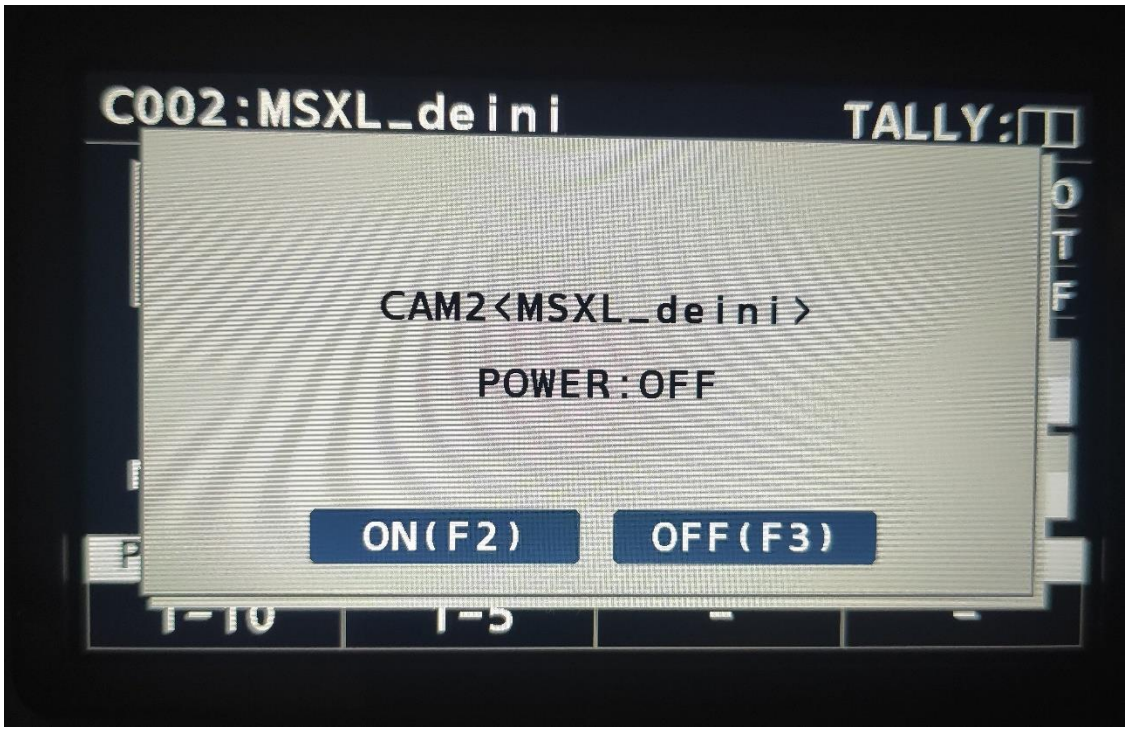
Select “SAVE” to save the settings.

In case the Camera Number you selected for the Slider is not set to LAN connection you need to set this in Menu SETUP -> CONNECT SETTING -> CAM Sel. – CONNECT MODE to LAN

Now the Slider should be connected and shown like this:

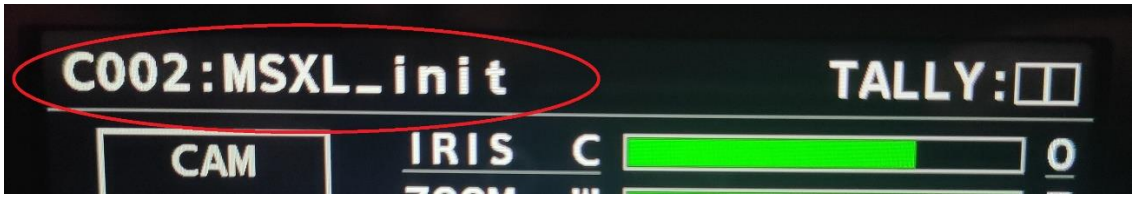


Next hold down the Camera Nr. Button of the Slider (in this example Nr 2). The Popup will appear:



While keep holding the Camera Nr. Button push on “ON” (F2-knob). Only then release the Camera Nr. Button. The Slider is starting the reference run.

When finished, the name will change to “MSXL_init”:



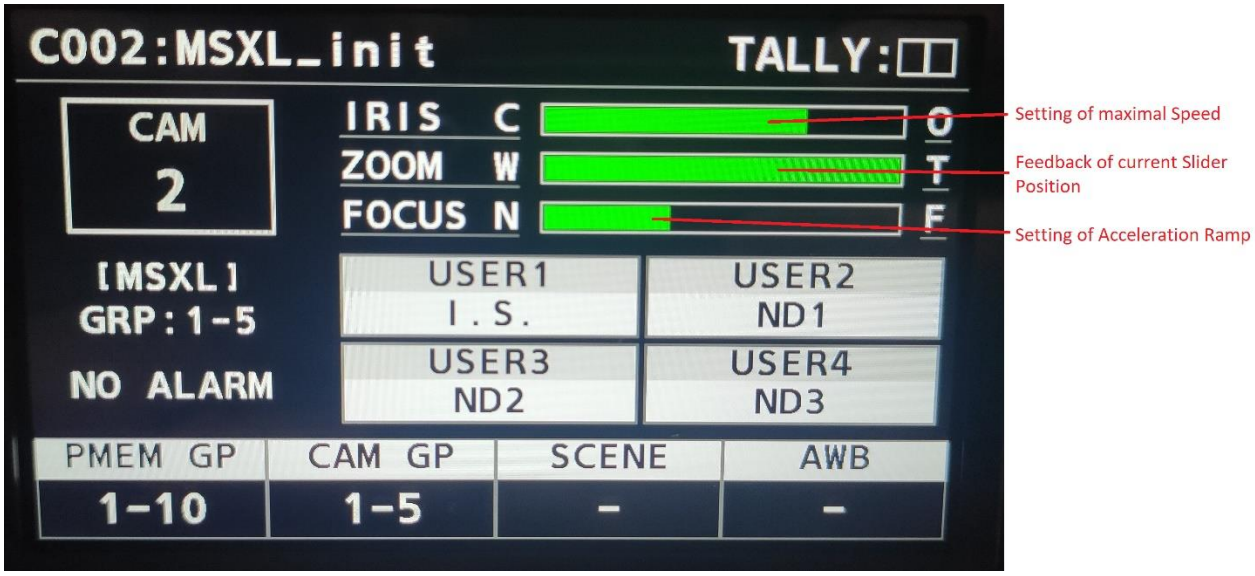
Now you already good to go to control the Slider via separate virtual camera.

3.3 Operation of the Slider

By selecting the Camera Number of the Slider (in this example Nr 2) you can move the Slider via moving the Joystick left and right. The sensitivity of the Joystick can be adjusted via the Speed knob left to the Joystick.

Also saving and recalling of preset positions is possible, like a PTZ camera via PMEM functions.

The maximal speed and acceleration (ramp) can be controlled by focus/iris settings. When put on auto – the settings will be reseted to 50% of maximal value.



4. Memory Positions

4.1 Saving Positions

Like PTZ cameras, also the slider can save specific positions in its memory and recall these positions. The Pmem function of the PTZ console can be used to set, recall and delete these positions. See the manual of the PTZ console how to program positions.

4.2 Combined Positions of Camera & Slider

As the PTZ console is not capable of saving and recalling positions from multiple devices at the same time the following workaround was integrated into the XL Motion Controller:

The camera IP address can be stored in the XL Motion controller (for this use config tool described in XL Motion Controller V2 Manual)

If a position is stored, deleted or recalled by sending the command to the XL control unit the controller is executing the command by itself and in addition forwarding the command to the camera.

This way both devices can be controlled at the same time.

For this always use the save, recall and delete commands of the XL Motion Controller. (in the example of the chapters before its CAM 2) for memory position control.

5. Automatic Movement Modes

5.1 Normal Ping-Pong Mode

With this mode the Slider can go from one End to the other End and back all the time. This can be useful for steady shooting during different Applications e.g. an Interview and afterwards cutting between different camera positions.

This simple Ping-Pong Mode can be activated by selecting the Slider Camera Nr. (in this example Cam Nr. 2) and then pressing the AWB button.

To deactivate the automatic movement, you can press the AWB button again or start a manual move by using the joystick or selecting a Preset.

During the Ping-Pong movement the speed and acceleration of the slider can be controlled via Iris/Focus setting like described before.

5.2 Advanced Ping-Pong Mode

This Mode allows to set up an automatic movement between the Memory positions 1 and 2. Not only the Slider movement is triggered, but also the movement of the optionally connected PTZ camera and motorized Pole. This mode allows to toggle between previously set positions which can be useful for certain applications.

This advanced Ping-Pong Mode can be activated by selecting the Slider Camera Nr. (in this example Cam Nr. 2) and then pressing the ABB button.

To deactivate the automatic movement, you can press the ABB button again or start a manual move by using the joystick or selecting a Preset.

During the Ping-Pong movement the speed and acceleration of the slider can be controlled via Iris/Focus setting like described before.