

Guide to PTZOptics PTZ MIDI Camera Control

With our latest firmware update, PTZOptics cameras can now be controlled through MIDI devices connected to your computer. Use this simple guide to get started controlling your PTZ cameras with your favorite MIDI device to easily create a dynamic production.

Access the WebUI

To use MIDI control, simply open the camera's WebUI using either **Google Chrome** or **Microsoft Edge**.

Note: You should be accessing the camera's webUI through HTTPS rather than HTTP. If desired, you can install a SSL certificate to the camera to allow HTTPS without the associated certificate warning.

After accessing the camera's WebUI, navigate to the **PTZOptics MIDI menu** on the left side of your web page. Connected MIDI Controllers will show in the MIDI Controller dropdown menu.

Map Commands

You can remap any PTZOptics commands to a new **MIDI Event** and **MIDI Command**. In this



photo (left), you can see that the **Drive Tilt Up** command would be mapped to the **Note On** event from **MIDI Command 14**.

You can discover the **MIDI Event** name and the **MIDI Command** value by checking **Display MIDI Commands** in the browser and then checking **Enable MIDI**

Commands. The last MIDI Event, Button, and Button value will be displayed in your browser.

Current Commands for Mapping

You can show the currently mapped commands by checking **Display Command Mapping**.

PTZ Optics Commands: Call Preset 1-5

Recommended MIDI Event: Note On

Description: These commands will send the camera to specific Pan, Tilt, and Zoom coordinates defined through the related “Set Preset” commands.

PTZ Optics Commands: Set Preset 1-5

Recommended MIDI Event: Note On

Description: These commands will set a camera preset position to specific Pan, Tilt, and Zoom coordinates. The camera can be recalled to these preset positions through the Call Preset commands.

PTZ Optics Commands: Speeds: Pan Tilt and Zoom

Recommended MIDI Event: Control Change

Description: These commands will change the robotic movement speed of the camera along the pan, tilt, and zoom axes. These speeds affect both Absolute Positions and Driving commands.

PTZ Optics Commands: Absolute Movement

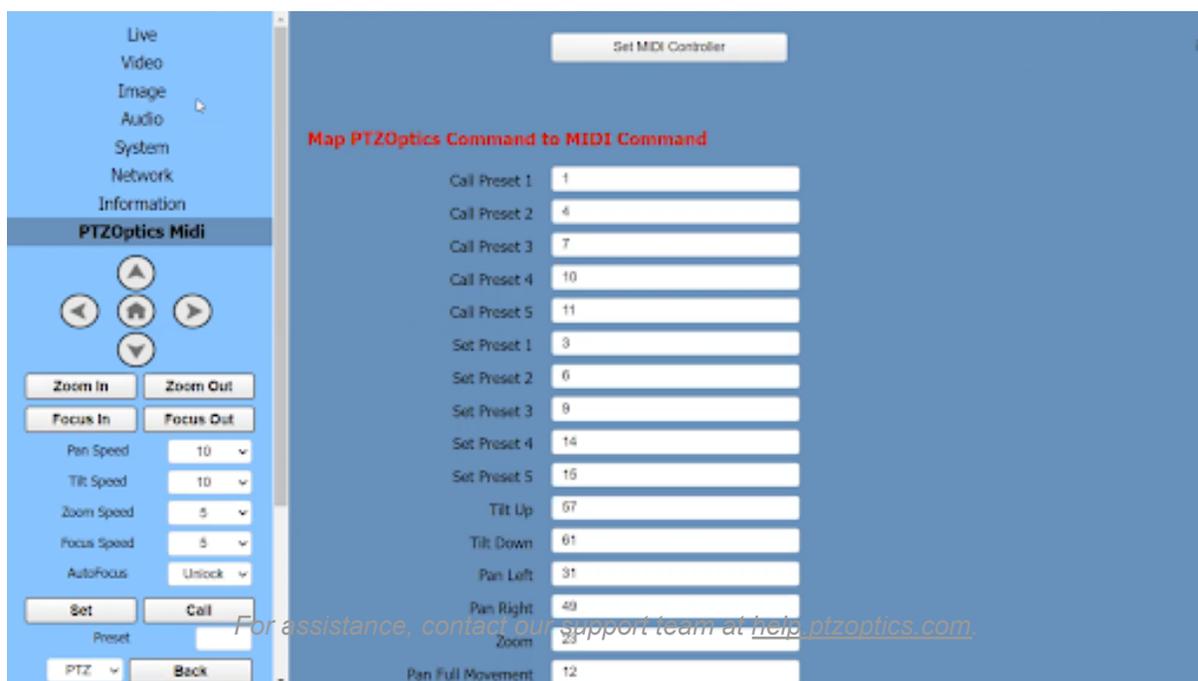
Recommended MIDI Event: Control Change

Description: These commands allow you to control the robotic movement of the camera along pan, tilt, and zoom axes. There are both single direction and full axis movements available to map.

PTZ Optics Commands: Drive Movement

Recommended MIDI Event: Note On

Description: These commands will let you ‘drive’ the camera in specific directions through Note On commands. These buttons will send a ‘Stop’ command when the Note On button is released and a Note Off command is sent from that button.



The screenshot shows the PTZ Optics software interface. On the left is a navigation menu with options: Live, Video, Image, Audio, System, Network, Information, and PTZ Optics Midi (highlighted). Below the menu are control buttons for Zoom In/Out, Focus In/Out, Pan Speed (10), Tilt Speed (10), Zoom Speed (5), Focus Speed (5), AutoFocus (Unlock), Set, Call, Preset, PTZ, and Back. On the right is the 'Map PTZ Optics Command to MIDI Command' window, which contains a table for mapping PTZ commands to MIDI notes.

PTZ Command	MIDI Note
Call Preset 1	1
Call Preset 2	4
Call Preset 3	7
Call Preset 4	10
Call Preset 5	11
Set Preset 1	3
Set Preset 2	6
Set Preset 3	9
Set Preset 4	14
Set Preset 5	16
Tilt Up	57
Tilt Down	61
Pan Left	31
Pan Right	49
Zoom	23
Pan Full Movement	12

For assistance, contact our support team at help.ptzoptics.com.



For assistance, contact our support team at help.ptzoptics.com.