XY Switcher User Manual

020-102883-04

Terra

CHRISTIE®

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Overview

This document describes the Christie Terra XP switcher software. The XY Switcher is a Web browser interface supported with an API protocol for switching and routing Audio, Video, USB, RS-232, and IR for transmitters and receivers.

Reference and Related Documents

Access the latest documentation from the Christie website at http://bit.ly/TerraDownloads
Additional information is available in the following documents:

- Terra Installation and Setup Guide for Controlled Systems (020-102804-*nn*)
- Terra Installation and Setup Guide for Transmitters and the Receivers (020-102814-*nn*)
- Terra Product Safety Guide (020-102786-*nn*)
- Terra User Manual (020-102838-*nn*)
- Terra XY Switcher API (020-102884-*nn*)
- Terra JSON API Reference Manual (020-102837-*nn*)

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Using the XY Switcher

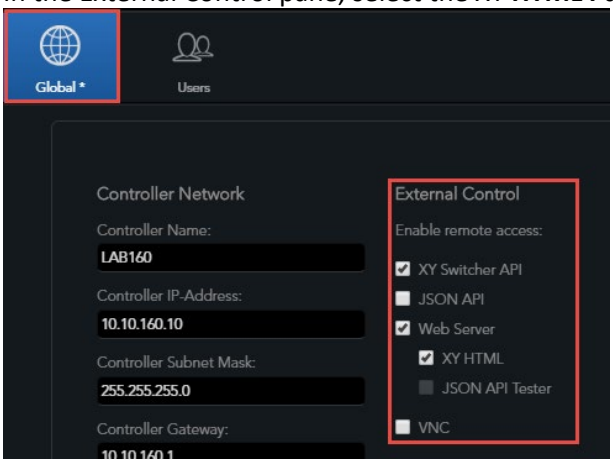
This section describes how to use the XY Switcher.

All devices must be configured using Terra Manager.

Enable Access and Device Configuration

Use the External Control settings on the Terra Manager Global page to enable remote access to Terra using the Terra XY Switcher software and/or JSON commands.
Access can be set up using TCP protocol or a RS-232 connection via the serial port on the Controller.

1. Navigate to the Global page in Terra Manager.
2. In the External Control pane, select the XY **HTML Page** and **XY Switcher API** check boxes.



3. Click **Save Changes**.

When the changes are saved, Terra Manager will close and the controller will be restarted.

Access the XY Switcher Software

A web browser is required to access the software. To interact with the XY Switcher software, you must connect a computer to the same LAN as the controller and browse to the XY Switcher software.

XY Switcher supports aliasing, the ability to have the same index on multiple RX units. When a source is changed on one RX with the same Index number as other RXs, all sources with the same index number will switch.

1. Verify access is enabled on the Terra Manager Global Page. Refer to *Enable Access and Device Configuration*.
2. To display the sign in page, browse to the IP address of the controller by entering its IP address in the browser's address field. The main page is displayed:

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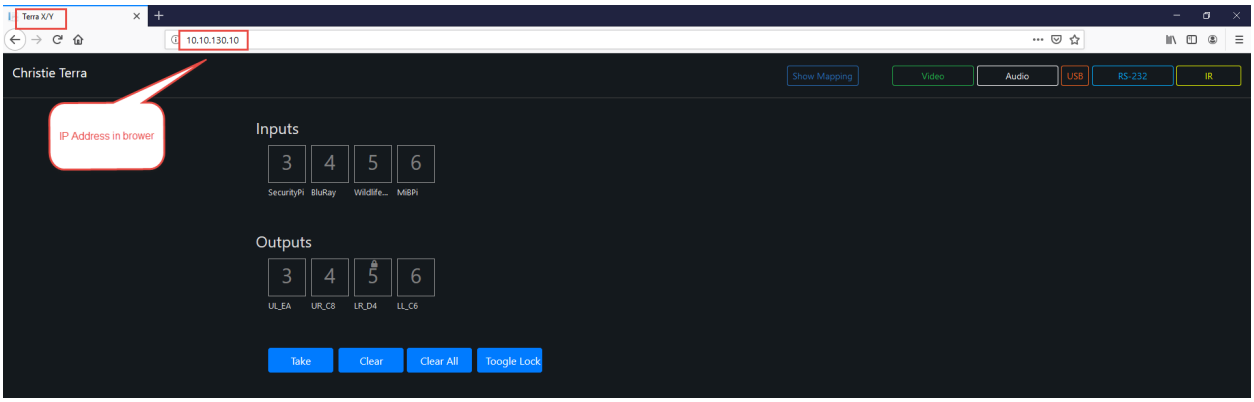


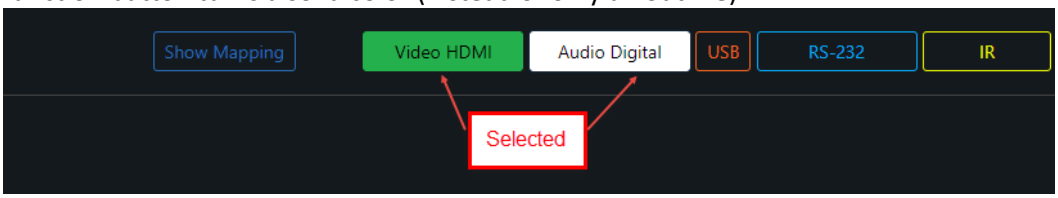
Map Functions

Use the numeric keys to map inputs to outputs. Use the buttons in the upper right to select the properties to map. More than one output can be mapped to one input. The properties that can be mapped are:

Property	Description	Color coding
Video	Routes the video from the TX to the RX.	Green
Audio	Routes the audio from the TX to the RX.	White
USB	Routes the USB (KVM) from the TX to the RX.	Red
RS-232	Routes the RS-232 communication from the TX to the RX.	Blue
IR	Routes the Infrared (IR) control from the TX to the RX.	Yellow

To map functions:

1. Click the desired function button (Video HDMI, Audio, USB, RS-232, or IR). When selected, the function button turns a solid color (instead of only an outline).



2. Click the desired input.
3. Click one or more outputs.
4. Click **Take**.

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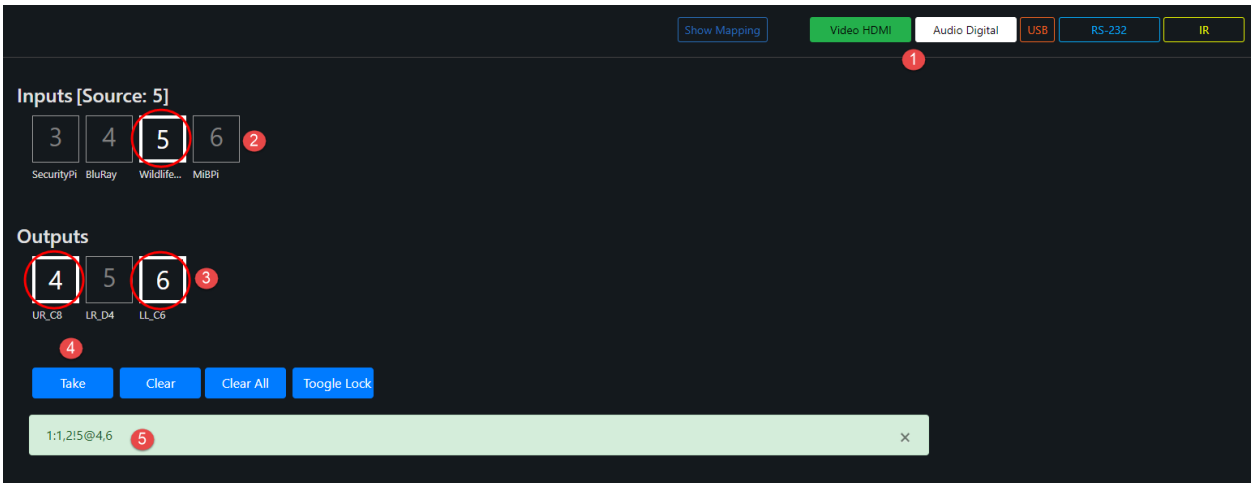

When the **Take** button is selected, the data displayed in the field below the **Take** button (#5 in above graphic) is the data sent to the XY Switcher API.

Show Mapping

This button shows the current mapping between the selected Inputs and Outputs. It is bidirectional; either an Input or Output can be selected to display the mapping.

When the **Show Mapping** button is selected, the other buttons are unavailable.

To display the mapping for devices:

1. Click **Show Mapping**. The button turns solid blue.
2. Click on the desired inputs to show the mapping on the mapped output icon (the icon displays the function as a color-coded square on the icon); or click on the desired outputs to show the mapped inputs.

Clear Mapped Functions

To clear mapping:

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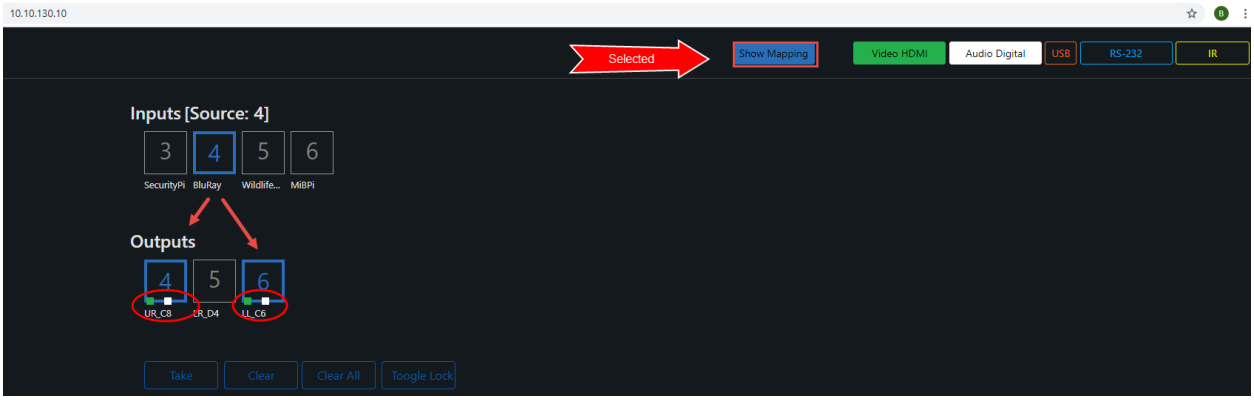
1. Use the **Show Mapping** button to display the desired mapping.

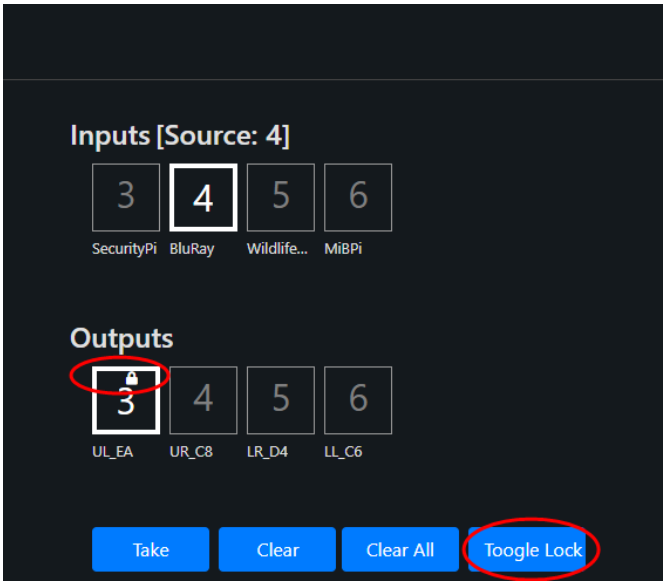


2. Unselect **Show Mapping**.
3. Click one or more function buttons (Video, Audio, USB, RS-232, or IR) to clear.
4. Click one or more outputs.
5. Click **Clear**.

Lock or Unlock Sources

The **Toggle Lock** button locks outputs in their current state so they cannot be mistakenly cleared using the **Take** button. When locked, a lock icon is displayed on the output.

To unlock an output, re-click the **Toggle Lock** button.



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