

WyreStorm MX-0404-HDBT-H2A-KIT

RTI Driver User Guide

v2.4.17180



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Contents

1 Introduction **2**

2 Driver Installation and Configuration **2**

3 Driver Commands **3**

4 Driver Variables **3**

5 Troubleshooting **4**

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1 Introduction

This driver has been designed to provide two-way control of WyreStorm MX0404-HDBT-H2A-KIT HDMI matrix, via RS232 or TCP/IP.

2 Driver Installation and Configuration

Open your RTI Integration Designer system file (or use the demo programming file entitled "WyreStorm_.rti"). Select your XP series processor from the **System Workplace** window and choose the **Drivers** tab.

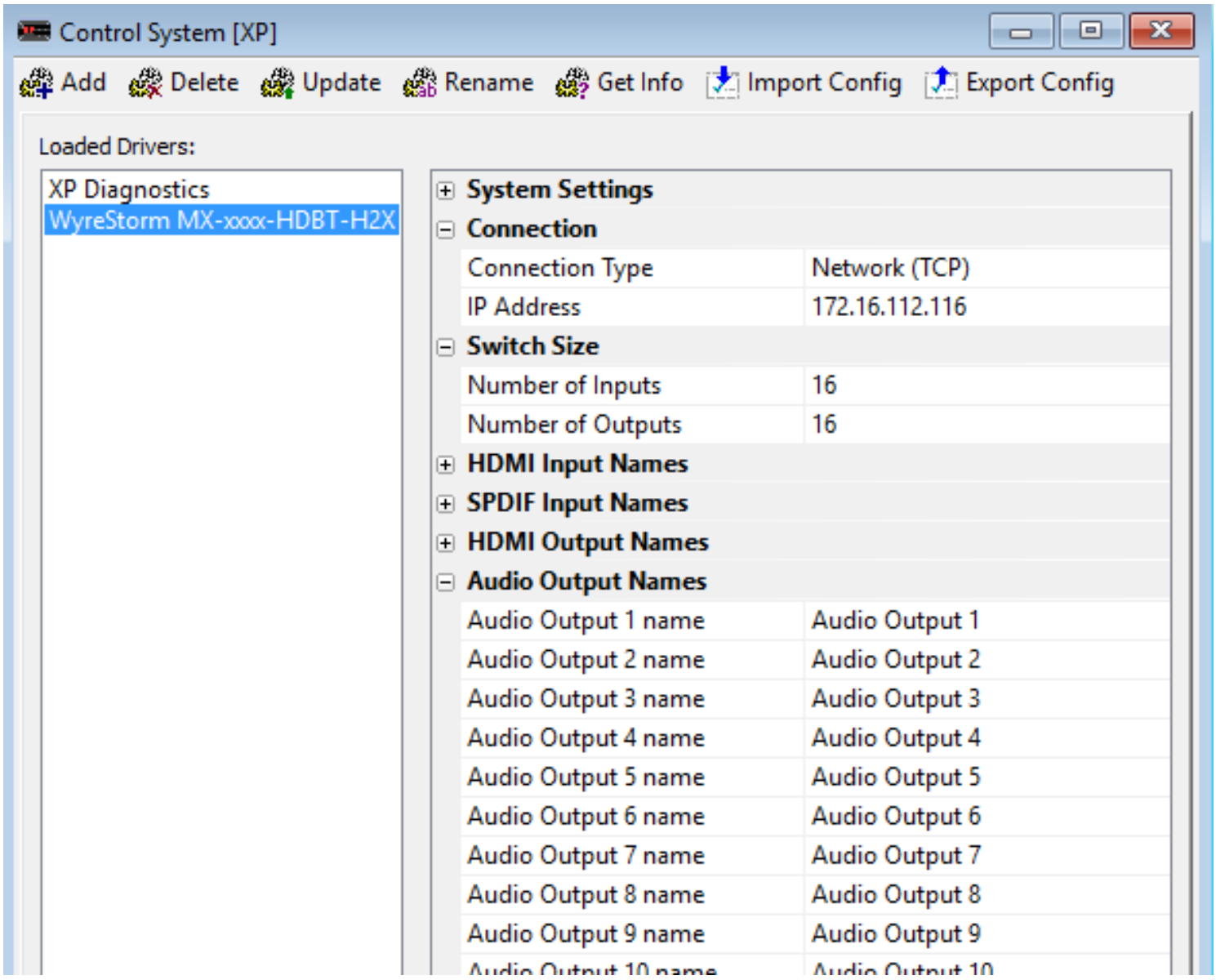


Figure 1: Driver Properties

The driver features a number of configuration properties that must first be completed.

System Settings
Processor - the XP-series processor running the driver.

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Connection Type
Serial Port - Sets connection type as Serial. Exposes setting to select which serial port the device is connected to.
Network - Sets connection type as TCP. Exposes setting to enter the IP address of the device.

HDMI Input Names
HDMI Input x Name - choose a name for HDMI input x - provides friendly function / variable naming in Integration Designer.

HDMI Output Names
HDMI Output y Name - choose a name for HDMI/HDBT output x - provides friendly function / variable naming in Integration Designer.

Audio Output Names
Audio Output y Name - choose a name for Audio output x - provides friendly function / variable naming in Integration Designer.

3 Driver Commands

The driver features a number of commands used for control. To add a command:

- Choose your remote control device from the **System Workplace** window, right click on the button to which a command is to be added and select **Edit Properties**.
- Select the **Driver Command** tab and click the arrow button to display the available commands for the WyreStorm MX0404-HDBT-H2A-KIT driver.
- Choose a command and click **Ok**.

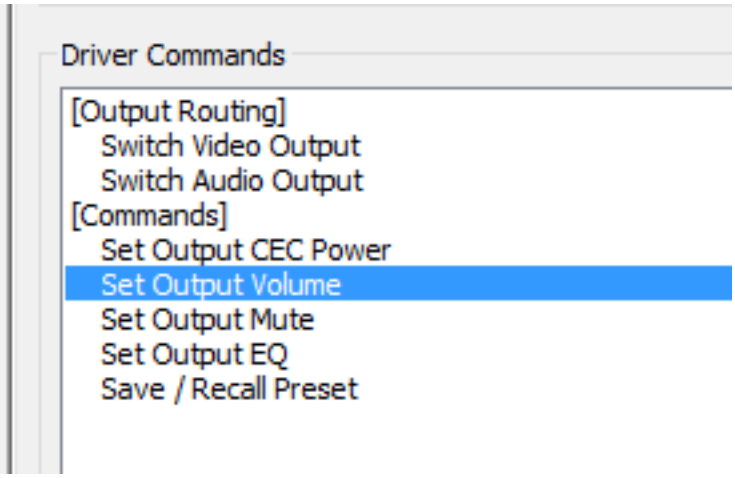


Figure 2: Driver Commands

Switch Video Output - Switch a specific HDMI video input to a specific HDMI/HDBT output

Switch Audio Output - Switch a specific audio (HDMI, SPDIF or ARC) input to a specific audio output

Set Output CEC Power - Switch display connected to output On/Off via CEC control

Save/Recall Preset - Save or Restore Preset state of matrix (1-3 Presets available)

4 Driver Variables

The driver features a number of variables, providing feedback from the WyreStorm system.

Operational Mode - Reports the current connection status.

Current Video Input Labels - Reports the name of the input which the video output has currently selected.

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Current Video Input Number - Reports the index of the input which the video output has currently selected.

Current Audio Input Labels - Reports the name of the input which the audio output has currently routed.

5 Troubleshooting

The driver cannot control the WyreStorm system

- Confirm the Ethernet switch used by the WyreStorm system is correctly uplinked to the same network as the RTI processor.
- Confirm that the correct IP address is defined in the RTI driver properties for the WyreStorm control interface.

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