



## HDanywhere HDMI Modular Matrix Driver

For use with:



Driver software written and provided by:



Contents:

**Introduction.....3**

**HDanywhere Matrix Configuration.....3**

    Entering a static IP address.....3

**RTI Configuration.....3**

    Adding the driver to your project.....3

    Configuration Settings.....4

        Processor.....4

        Connection Type.....4

        TCP Address.....4

    Commands.....4

        Variables.....4

            Current Inputs.....4

            Output Port Current Selection.....4

    Events.....4

**Troubleshooting.....4**

    No communication.....4

# HDanywhere / RTI Driver for Modular Matrix Switches

## Introduction

This driver has been designed to allow an RTI system to interface with an **HDanywhere Modular HDMI Matrix Switch via Ethernet**.

This module was written and tested using a 4x4 Modular matrix version **1.01.1006**, Integration Designer version **9.0.0.3524** and an XP6 processor running firmware version **1.8.8 (Bootloader 1.5)**.

The driver version is **v1.0**.

## HDanywhere Matrix Configuration

### *Entering a static IP address*

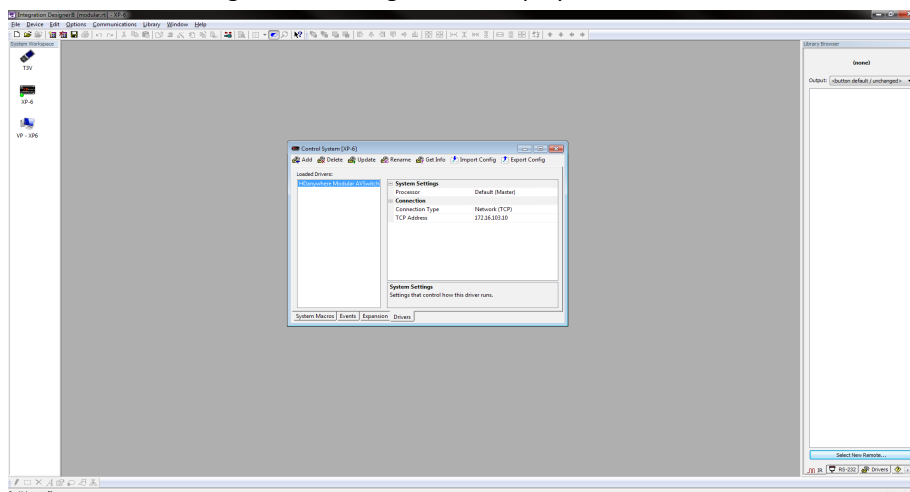
You must configure the HDanywhere Modular matrix with a static IP address on the same network as your RTI processor.

- Remove the SD card from the front of the matrix and insert it into the SD slot of a PC, or into an attached card reader.
- Choose to edit the **settings.ini** file, using Notepad or similar text editing software.
- Edit the **[Network]** section, entering your static IP details.
- Save the file, remove the card from your PC and re-insert it into the matrix.

## RTI Configuration

### *Adding the driver to your project*

- Open your RTI Integration Designer System file (an example file is included with the driver entitled “HDanywhere\_Modular.rti”).
- Click on the processor icon in the **System Workspace** area to display the **Control System** window. A green circle will be displayed below the processor icon in the **System Workspace**, denoting the current selection.
- Click on the **Drivers** tab of the **Control System** window and select the **Add** icon, to add a new driver. Locate the “HDanywhere\_Modular.rtiDriver” file on your PC and select **Open** to add the file to the system. The **HDanywhere Modular AVSwitch** driver should be displayed in the **Loaded Drivers** list.
- Select the driver and the configuration settings will be displayed, as below:



## ***Configuration Settings***

The following settings are available within the driver.

### **Processor**

Choose the processor from which commands will be sent.

### **Connection Type**

The Matrix Switch is controlled via TCP.

### **TCP Address**

Enter the IP address of the HDanywhere modular matrix.

## ***Commands***

Routing commands can be added to buttons and macros in the normal way:

- Select your button or macro and choose to add a **Driver Command**.
- Choose **HDanywhere Modular AVSwitch → Routing** from the list.
- Enter the required numbers in the **Input** and **Output** fields.
- Drag the **Add** icon or click **Ok** as appropriate.

## ***Variables***

### **Current Inputs**

This is an integer which can be displayed to indicate the current input for each output.

### **Output Port Current Selection**

This is a boolean flag for each input/output combination that can be used to change the appearance of buttons once selections have been made.

## ***Events***

A driver event can be raised when an output changes to a different input.

## **Troubleshooting**

### ***No communication***

Ensure that the matrix is configured with a static IP address in the same range as the RTI processor and that both devices are correctly connected to the network.