



Integrating Clare Controls HDMI and HDBaseT Matrix Switchers into an RTI Project Product Bulletin

Last Modified: 05/12/2016

Introduction

The Clare Controls CM-MT Series Switcher driver lets you integrate the following Clare Controls HDMI and HDBaseT matrix switches into your RTI project.

Matrix switcher models

- hdmi.4x4
- hdmi.8x8
- hdmi.4x1
- hdmi.16x16
- hdmi.32x32
- HDBaseT.4x4
- HDBaseT.8x8

Supported hardware

This driver works with RTI XP-3, XP-6, and XP-8 processors.

Configuration

When integrating a Clare Controls matrix switcher in an RTI project, you must change the default IP of the switcher to match the project's network address. Change your computer's IP settings to match the matrix switcher default. Once the computer can communicate with the switcher, change the switcher's default IP address so that it can communicate over the RTI network.

To configure your network settings:

1. Connect your HDMI switcher and computer to a stand-alone data switch.
2. Go to your computer's network settings and change DHCP to **manual**.

3. Change the computer's IP settings to the following.

IP address: 192.168.0.250

Subnet: 255.255.255.0

Gateway/router: 192.168.0.1

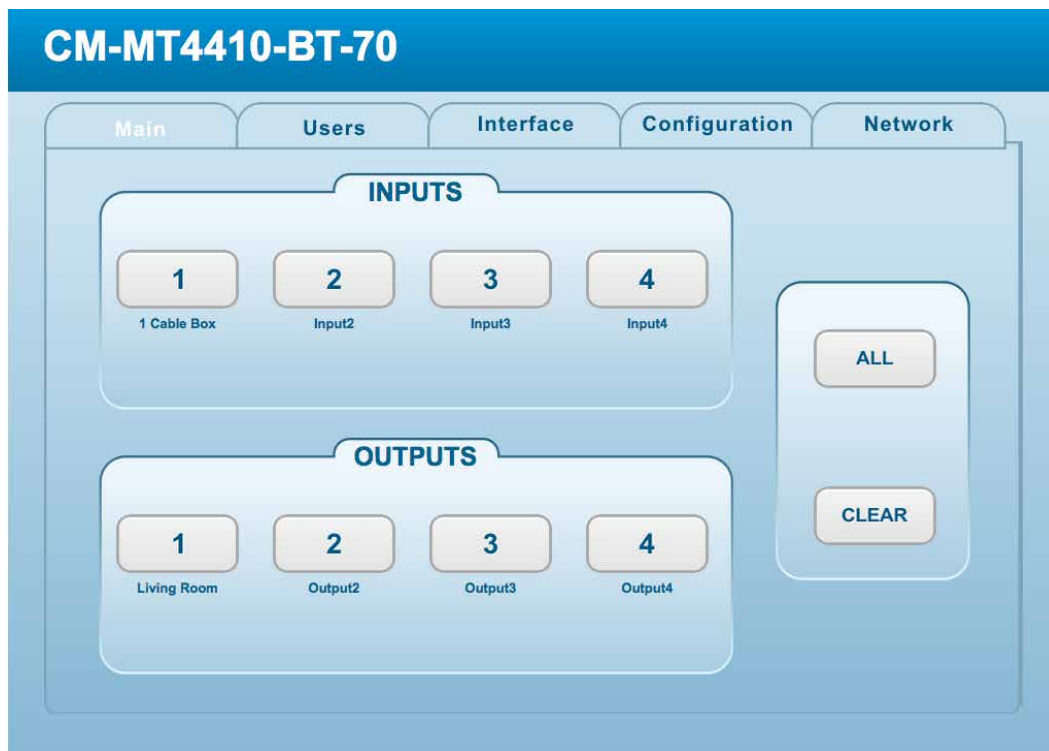
4. Launch **Internet Explorer**.

5. Browse to **192.168.0.178**.

This is the default IP address for all Clare Controls HDMI switchers.

6. Enter password **secure7**.

The system displays the IPort Configuration Web Server dialog.



7. Click the **Network** tab, and then change the network parameters to match your local area network. For example, change the IP address to 192.168.1.80.

The screenshot shows the configuration interface for the CM-MT4410-BT-70 device. At the top, there is a blue header with the device name. Below the header are five tabs: Main, Users, Interface, Configuration, and Network. The Network tab is selected. The main content area is titled "Network Settings:" and contains the following fields:

- MAC Address: 44:33:4C:C9:B9:3B
- DHCP:
- Static IP:
- IP Address:
- Subnet Mask:
- Gateway:

At the bottom of the configuration area, there are two buttons: "Save" and "Cancel".

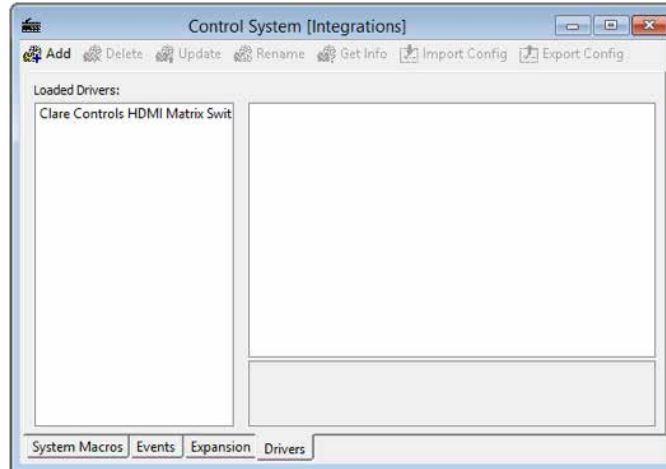
Note: Do not change any other settings in the IPort Configuration Web Server.

8. Click **Save**.

To integrate the switcher into your RTI project:

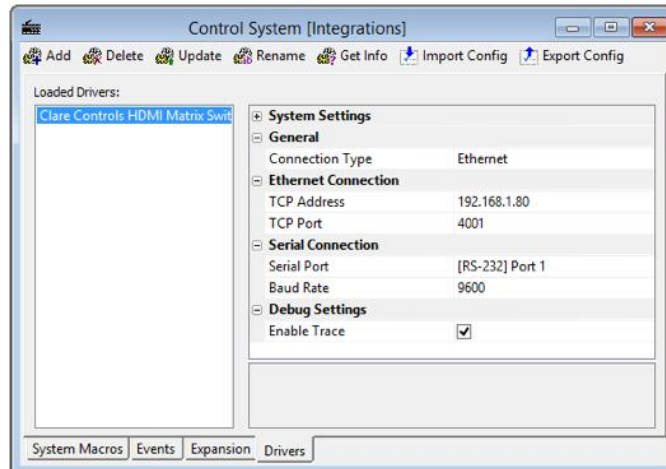
1. Download your Clare Controls CM-MT switcher driver to your RTI directory.
2. Start your **Integrations Designer** software.
3. Add an XP-series processor to your RTI project.
4. Open the **Processors** definition, and then select the **Drivers** tab.

5. Click **Add**, and then select **Clare HDMI Matrix Switcher Driver.rtidriver**.



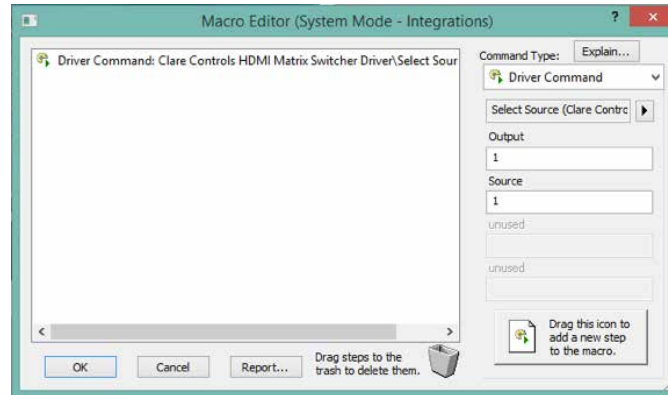
6. Select **Connection Type**, and then in the appropriate fields, enter the Ethernet and serial communications settings.

Note: The TCP address must match the IP address that you set in the IPort Configuration Web Server in step 6 on page 2.



7. Open your interface device, and then click the **Source** button.

8. Right-click, and then choose **Edit/Create Macro**.



9. Select **Driver Command**, and then choose **Select Source from Clare Controls HDMI Matrix Switcher Driver**.

10. Enter the output number and source.

11. Click and drag the icon to the macro list window on the left.

12. Click **OK**.

Customer support information

For questions about Clare Controls products, please contact us at:

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