Blustream ACM200 RTI Driver

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Overview

The Blustream ACM200 RTI driver allows for control of the Blustream IP200UHD receivers and Transmitters via the ACM200 control module. The driver allows for direct switching of inputs to outputs, control over video walls with full support for multiple configurations, audio break away, control over scaling, rotation, EDID settings, HDCP and HDR modes as well as the ability to send rs232 codes to either the receiver or transmitter

Installation

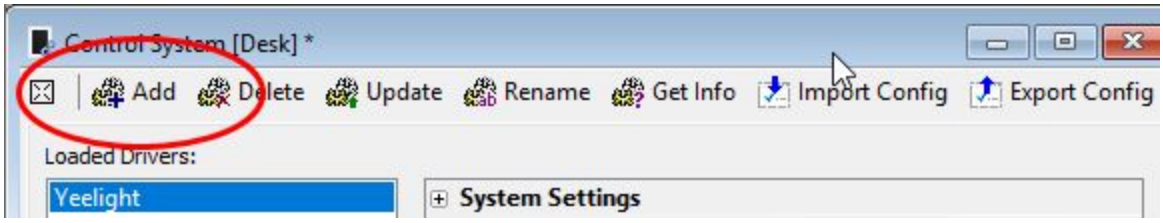
The zip file that included this documentation has the rtidriver file you will need to add. The first step is to download and extract the driver from the zip file. It doesn't matter where you store the file but we advise keeping them together.

The default location is Documents\Integration Designer\Control Drivers

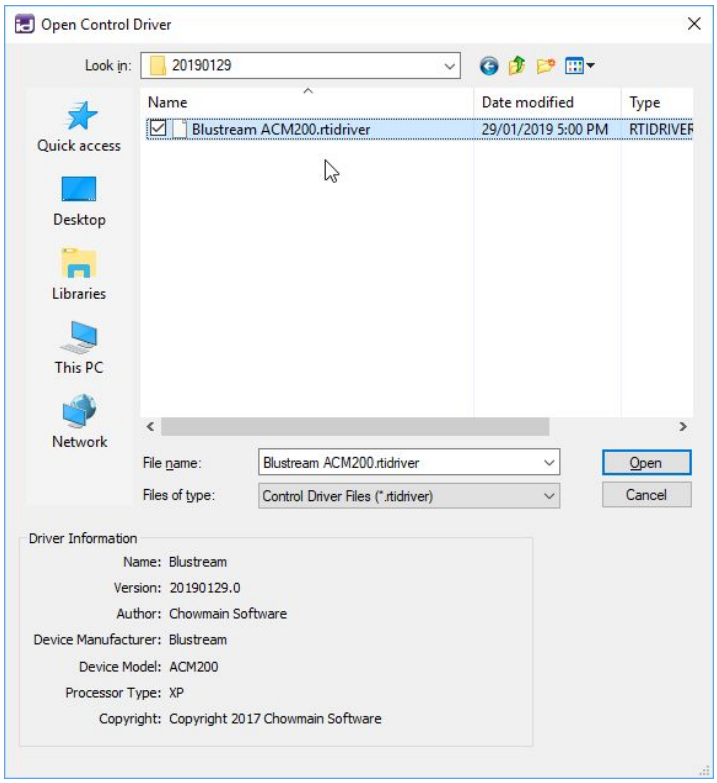
Select your processor from the System Workplace sidebar and select the Drivers tab at the bottom of the window (If you are using a KX3 in control mode then you might need to select 'Switch UI / Control Processor Mode' from the Device menu).

Add the driver

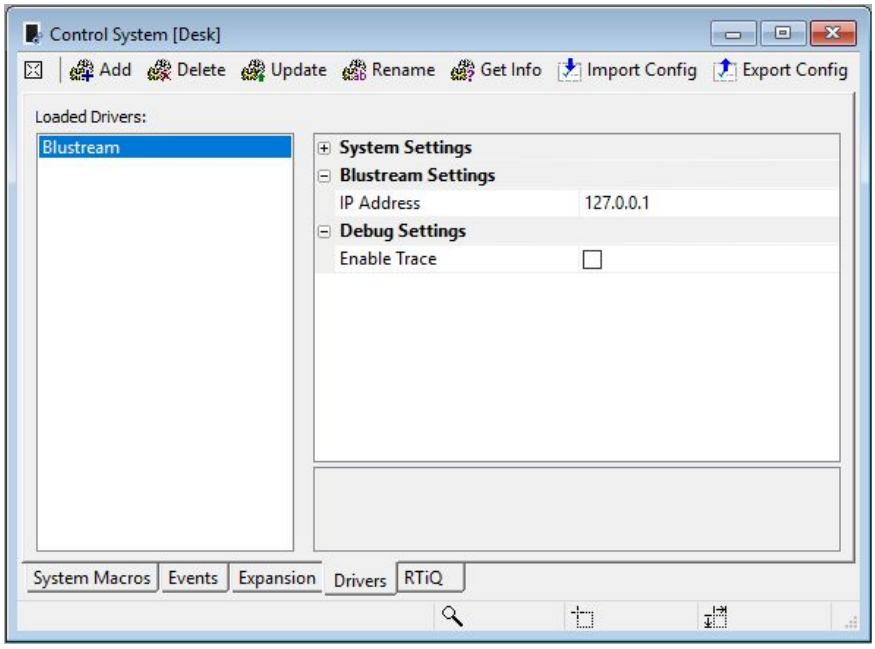
Click the Add button at the top of the driver window. The driver is now ready to configure or use.



Find the rtidriver file that you extracted from the zip file above. Click on Open when you have found the correct file.

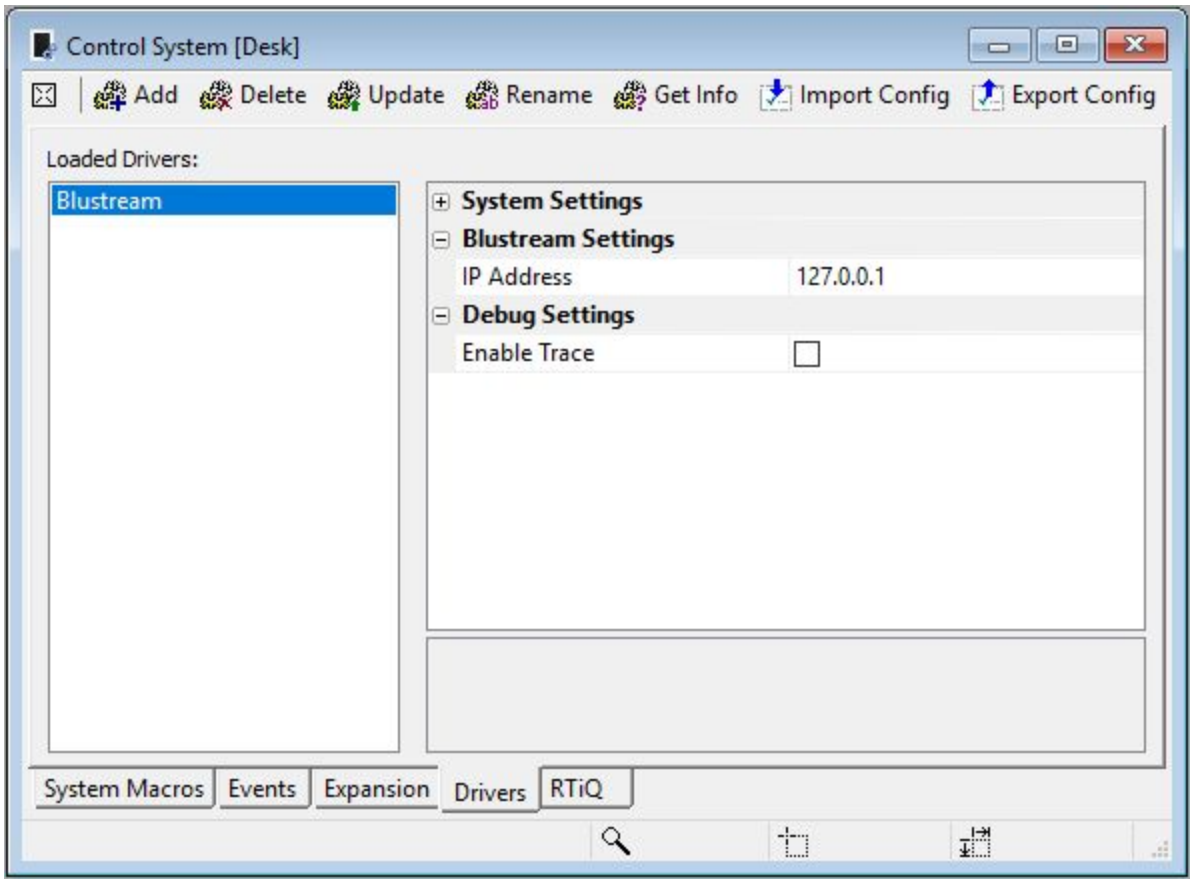


The driver is now ready to use.



Driver Configuration

The driver only requires an IP address for the ACM200 unit. Note this is the address of the control lan, not the video lan.



Driver Commands

Switching Commands

Switch

This command requires two parameters. The Receiver parameter matches the receiver number which can be found in the software or by pressing channel selection buttons on the front panel. The second parameter is the transmitter number which again can be found in the software or by pressing channel selection buttons on the front panel.

Receiver Control

CEC Control

This command can be used to turn CEC control on or off for the specified receiver. It has two parameters, the first is the receiver number, which can be found in the software or by pressing channel selection buttons on the front panel. The second is a drop down with a ON or OFF option.

Fast Switching

This command can be used to turn Fast Switching on or off for the specified receiver. It has two parameters, the first is the receiver number, which can be found in the software or by pressing channel selection buttons on the front panel. The second is a drop down with a ON or OFF option.

HDR Mode

This command can be used to turn HDR support on or off for the specified receiver. It has two parameters, the first is the receiver number, which can be found in the software or by pressing channel selection buttons on the front panel. The second is a drop down with a ON or OFF option.

Stretch Video Output

This command can be used to control Stretching the video output. It can be turned on or off for the specified receiver. It has two parameters, the first is the receiver number, which can be found in the software or by pressing channel selection buttons on the front panel. The second is a drop down with a ON or OFF option.

HDCP Management

This command can be used to turn HDCP management on or off for the specified receiver. It has two parameters, the first is the receiver number, which can be found in the software or by pressing channel selection buttons on the front panel. The second is a drop down with a ON or OFF option.

Rotate Receiver

This command can be used to rotate the video image, either 0, 90, 180 or 270 degrees. It has two parameters, the first is the receiver number, which can be found in the software or by pressing channel selection buttons on the front panel. The second is a drop down with 0 degrees, 90 degrees, 180 degrees and 270 degrees..

Set Receiver Mode

This command can be used to set the specified receiver to either Matrix or Video Wall mode. It has two parameters, the first is the receiver number, which can be found in the software or by pressing channel selection buttons on the front panel. The second is a drop down with either Matrix or Video Wall options.

Set Scaler Resolution

This command can be used to set the scaler resolution for the specified receiver. It has two parameters, the first is the receiver number, which can be found in the software or by pressing channel selection buttons on the front panel. The second is a drop down with a a range of resolution options, including a bypass option.

Transmitter Commands

Set CEC mode

This command can be used to turn CEC control on or off for the specified transmitter. It has two parameters, the first is the transmitter number, which can be found in the software or by pressing channel selection buttons on the front panel. The second is a drop down with a ON or OFF option.

Set Transmitter Audio Mode

This command can be used to set the audio mode for the specified transmitter. It has two parameters, the first is the transmitter number, which can be found in the software or by pressing channel selection buttons on the front panel. The second is a drop down with a options for HDMI, Analog and Auto.

Set Transmitter EDID

This command can be used to set the scaler resolution for the specified transmitter. It has two parameters, the first is the transmitter number, which can be found in the software or by pressing channel selection buttons on the front panel. The second is a drop down with a range of EDID options.

Video Wall

Set Video Wall Config

This command can be used to set the a specific configuration for the specified video wall. It has two parameters, the first is the video wall number, which can be found in the software. The second is the configuration number that you have set in the software.

Set Group Source

This command can be used to set the a source for the specified configuration. It has four parameters, the first is the video wall number, which can be found in the software. The second is the configuration number that you have set in the software. The third parameter is a drop down with a range of Group options. Finally you need to specify the Receiver you would like to switch to that video wall as a source.

Reboot Commands

Reboot Receiver

This command can be used to reboot the specified receiver. It has a single parameter, the number of the receiver you wish to reboot. The receiver number can be found in the software or by pressing channel selection buttons on the front panel.

Reboot Transmitter

This command can be used to reboot the specified transmitter. It has a single parameter, the number of the transmitter you wish to reboot. The transmitter number can be found in the software or by pressing channel selection buttons on the front panel.

Control Commands

Send RS232 to Receiver

This command can be used to send data to the serial port of the specified receiver. It has two parameters, the first is the receiver number, which can be found in the software or by pressing channel selection buttons on the front panel. The second is the data you wish to send.

Send RS232 to Transmitter

This command can be used to send data to the serial port of the specified transmitter. It has two parameters, the first is the transmitter number, which can be found in the software or by pressing channel selection buttons on the front panel. The second is the data you wish to send.

IR Port Control

This command can be used to turn the IR port on or off. It has a single parameter, a drop down with a ON or OFF option.