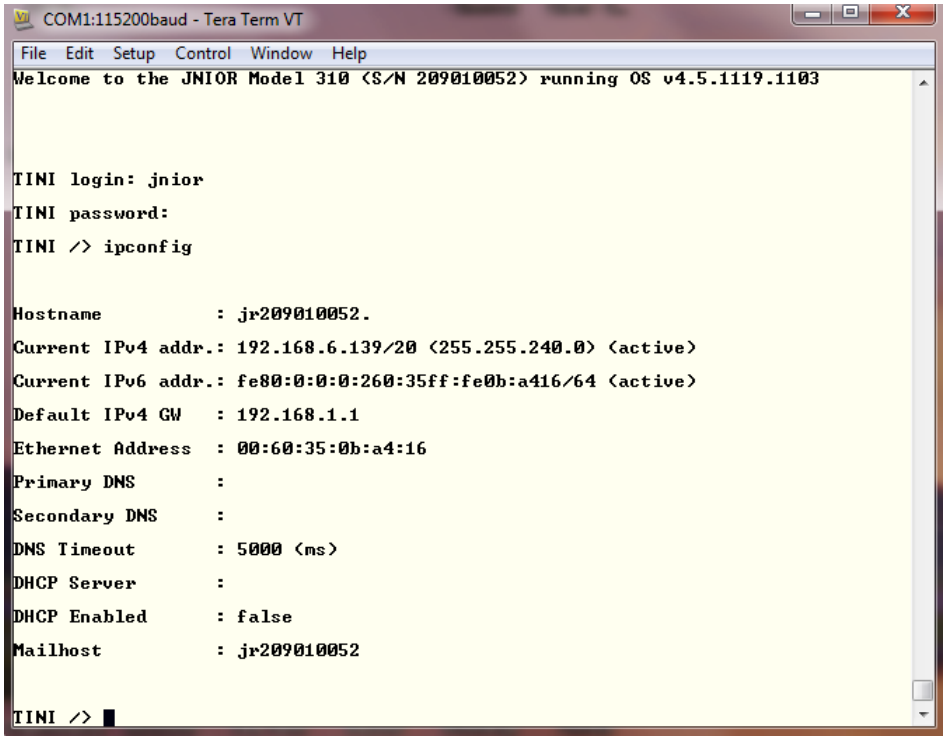
# Integ Jnior USL Ethernet Setup Procedure

The Jnior Automation device has an application called “Cinema Jnior” that supports the execution of a list of commands as defined in a macro. The Cinema Jnior uses the IP and Net mask as setup for the devices serial ports console. Using TeraTerm with and serial port settings of 115200 baud, 8bit, no parity, and one stop bit will allow the user to access the Jnior with a user login and password of “jnior”. At the TINI login and password prompt via the TeraTerm serial port connection.

The command “ipconfig –a xxx.xxx.xxx.xxx –m xxx.xxx.xxx.xxx” will setup the Cinema Servers IP address on the Jnior. Note that this address and network mask must have the respective values to support Ethernet communications within the theater network.




The Jnior Support Tool is used for configuring the Cinema Server Macros then includes device definitions for communicating with the respective device such as the JSD-80 sound processor.

After configuring the Jnior ehternet port, the Junior Support Tool can then be used to setup the devices that it will be communicating with.

As shown below the JSD80 is configured as a raw Ethernet device with an ip and port address and its command termination character. The carriage return (0x0D) is the escape sequence of '\r' in the Termination String column.

The Open Remote retrieves the configuration stored in the Jnior. The save as stores the device configuration as a .csv file on the local computer and the 'Publish To Jnior' uploads the configuration to the Cinema Jnior application.

| Device Name | Device Type | IP Address | Port | Baud | Data Bits | Parity | Stop Bits | Termination String |
|---|---|---|---|---|---|---|---|---|
| Projector | BARCO | 10.0.0.102 | 43680 | | | | | None |
| JSD80 | RAW ETHERNET | 192.168.6.140 | 10001 | | | | | \r |

Add Remove

Devices

| Device Name | Type | IP Address | Port | Baud | Data Bits | Parity | Stop Bits | Termination String |
|---|---|---|---|---|---|---|---|---|
| Projector | BARCO | 10.0.0.102 | 43680 | | | | | |
| JSD80 | RAW ETHERNET | 192.168.6.140 | 10001 | | | | | \r |

The Macro tab allows the user to define an action, or command to be sent to the USL sound processor. As shown below there are two JSD80 button actions created.

Working File : C:\Users\RickE\AppData\Roaming\INTEG\JNIOR Support Tool\Files\192.168.6.139_150108\macro_USL_JSD80.csv

Macro View

| Macro Name | Timing | Action Description |
|---|---|---|
| FlatStart | | |
| JSD80 Button 5 | 00:00 | JSD80 Send button 6 |
| Low Lights | 00:01 | ROUT 2 Close Pulse 1 sec(s) |
| Masking Flat | 00:02 | ROUT 7 Close Pulse 1 sec(s) |
| Feature Scope Start | | |
| Feature End | | |
| JSD80 Button 6 | 00:00 | JSD80 Send button 7 |
| Full Lights | 00:01 | ROUT 3 Close Pulse 1 sec(s) |
| Fire Alarm | | |
| Fire Alarm Movie Clear | | |
| New Macro 1 | | |

Timing: + Min, + Sec, - Sec, - Min, <-, Up, Dn

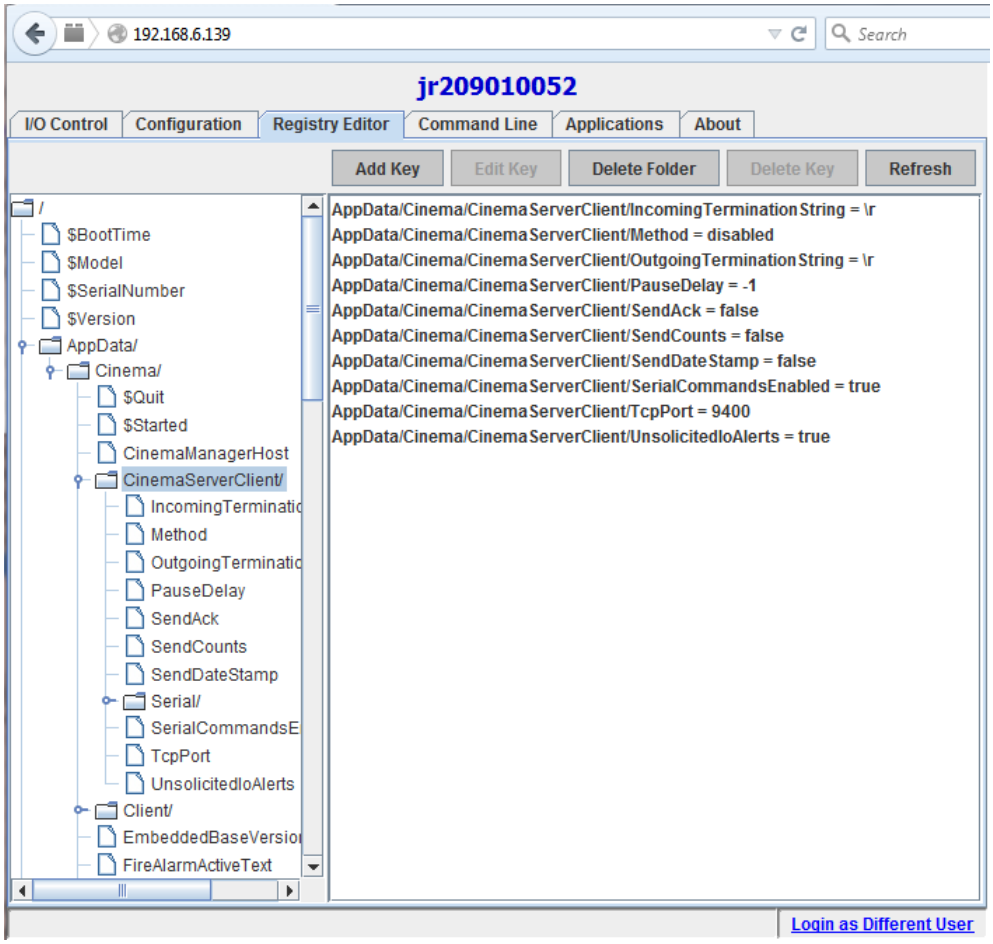
Action View

| Name | Device | Action | Data |
|---|---|---|---|
| Half Lights | ROUT 1 | Close Pulse | 1 |
| Low Lights | ROUT 2 | Close Pulse | 1 |
| Full Lights | ROUT 3 | Close Pulse | 1 |
| Fire Alarm Light On | ROUT 4 | Close | |
| Fire Alarm Light Off | ROUT 4 | Open | |
| Spare | ROUT 5 | Close Pulse | 1 |
| Spare | ROUT 6 | Close Pulse | 1 |
| Masking Flat | ROUT 7 | Close Pulse | 1 |
| Masking Scope | ROUT 8 | Close Pulse | 1 |
| Movie Start Signal | DIN 8 | Soft Pulse | 1 |
| Projector Close Dowser | Projector | Close Dowser | |
| Projector Open Dowser | Projector | Open Dowser | |
| Projector Lamp On | Projector | Lamp On | |
| Projector Lamp Off | Projector | Lamp Off | |
| JSD100 Digital Audio | JSD100 | Send | 4 |
| JSD100 Non Sync | JSD100 | Set Input | 8 |
| JSD80 Button 5 | JSD80 | Send | button 6 |
| JSD80 Button 6 | JSD80 | Send | button 7 |

Add Remove Copy Macro Annotate Add Remove

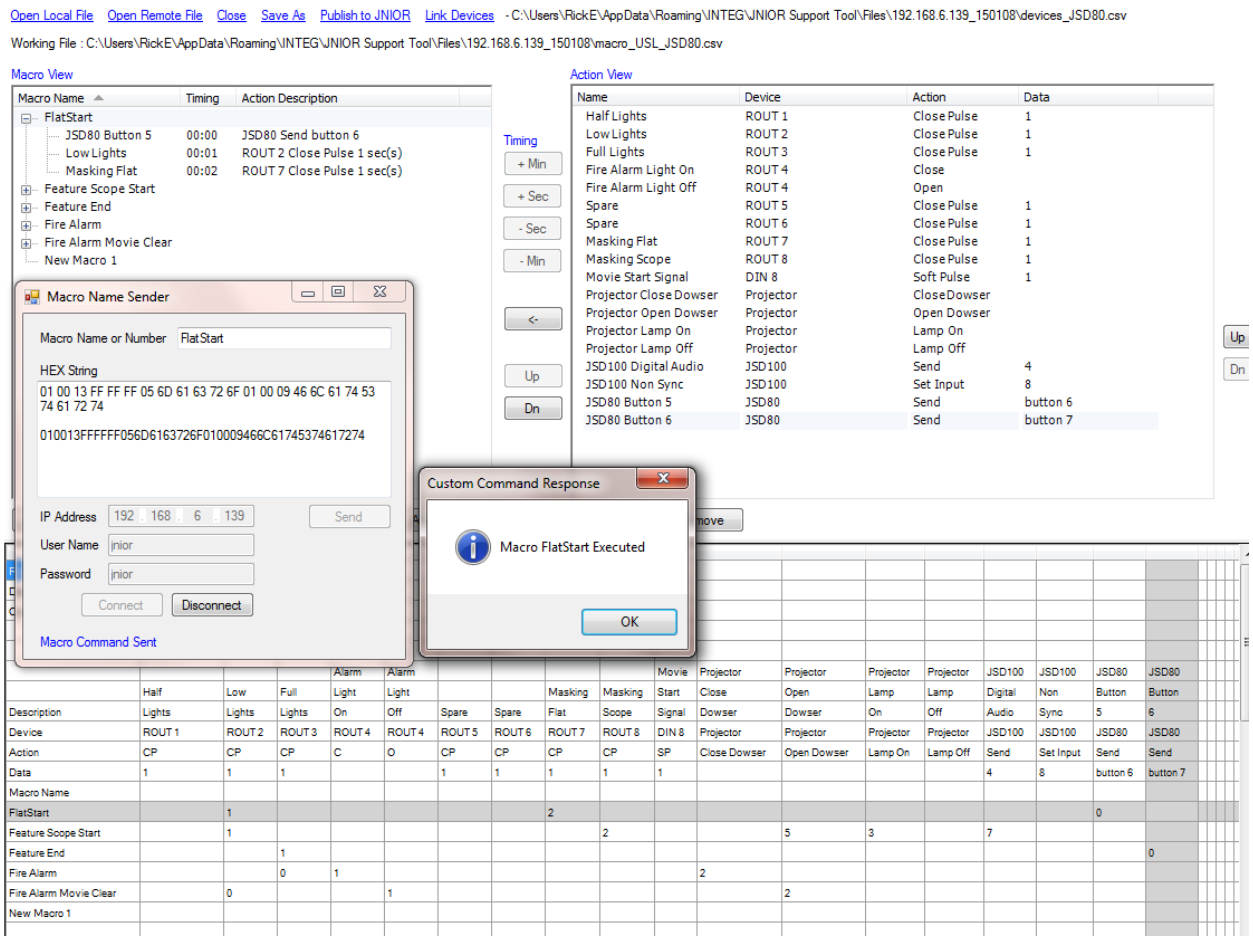
| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Revision | 0 | | | | | | | | | | | | | | | | | |
| Date | 1/7/2011 | | | | | | | | | | | | | | | | | |
| Comment | USL Example | | | | | | | | | | | | | | | | | |
| | | | | Fire | Fire | | | | | | | | | | | | | |
| | | | | Alarm | Alarm | | | | | Movie | Projector | Projector | Projector | Projector | JSD100 | JSD100 | JSD80 | JSD80 |
| | Half | Low | Full | Light | Light | | | Masking | Masking | Start | Close | Open | Lamp | Lamp | Digital | Non | Button | Button |
| Description | Lights | Lights | Lights | On | Off | Spare | Spare | Flat | Scope | Signal | Dowser | Dowser | On | Off | Audio | Sync | 5 | 6 |
| Device | ROUT 1 | ROUT 2 | ROUT 3 | ROUT 4 | ROUT 4 | ROUT 5 | ROUT 6 | ROUT 7 | ROUT 8 | DIN 8 | Projector | Projector | Projector | Projector | JSD100 | JSD100 | JSD80 | JSD80 |
| Action | CP | CP | CP | C | O | CP | CP | CP | CP | SP | Close Dowser | Open Dowser | Lamp On | Lamp Off | Send | Set Input | Send | Send |
| Data | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | | | | | 4 | 8 | button 6 | button 7 |
| Macro Name | | | | | | | | | | | | | | | | | | |
| FlatStart | | 1 | | | | | | 2 | | | | | | | | | 0 | |

Under the Action View the add button allows the user to create a new action. Note the column headings the column Device is for selected and designating the device to send a command to. When a device is created and added view the device tab, the device will appear in the drop down menu then the user click in the device cell. Before starting to create command use the Link Devices options to update the device file being use in conjunction with the command. The next column is for selecting the Action, as noted some are predefined and in this case the Send is used for transmitting the item in the data column. As shown the JSD80 uses the 'button' command to select inputs or format. The JSD80 requires a simple space character between the command and parameter, as shown in the button number. Once the command are created they should be save locally and published to the Jnior. Now you can proceed to add them to the selected macro with their delay timing. Be sure to save the configuration to the local drive and publish to the Jnior.




The Jnior's Cinema Server configuration is done via the Web page as shown above. Note the CinemaServerClient settings as this defines the run *macro* command termination character or characters. This is important when the macros to be executed are through the Cinema Server command interface (run *macro-name*).

The macros can also be executed via the Jnior Support Tool's beacon tab. By selecting the desired Jnior's IP address unit discovered in the list and then right click of the mouse, a menu will appear. In the menu select the "Macro Execution" item. Active Connect button and then enter the macro name to execute. As shown the 'FlatStart' is entered and the Send button is activated. Note the command response and the USL unit's settings, in this case the JSD80 format changes.




| Macro Name | Timing | Action Description |
|---|---|---|
| FlatStart | | |
| JSD80 Button 5 | 00:00 | JSD80 Send button 6 |
| Low Lights | 00:01 | ROUT 2 Close Pulse 1 sec(s) |
| Masking Flat | 00:02 | ROUT 7 Close Pulse 1 sec(s) |
| Feature Scope Start | | |
| Feature End | | |
| Fire Alarm | | |
| Fire Alarm Movie Clear | | |
| New Macro 1 | | |

| Name | Device | Action | Data |
|---|---|---|---|
| Half Lights | ROUT 1 | Close Pulse | 1 |
| Low Lights | ROUT 2 | Close Pulse | 1 |
| Full Lights | ROUT 3 | Close Pulse | 1 |
| Fire Alarm Light On | ROUT 4 | Close | |
| Fire Alarm Light Off | ROUT 4 | Open | |
| Spare | ROUT 5 | Close Pulse | 1 |
| Spare | ROUT 6 | Close Pulse | 1 |
| Masking Flat | ROUT 7 | Close Pulse | 1 |
| Masking Scope | ROUT 8 | Close Pulse | 1 |
| Movie Start Signal | DIN 8 | Soft Pulse | 1 |
| Projector Close Dowser | Projector | CloseDowser | |
| Projector Open Dowser | Projector | Open Dowser | |
| Projector Lamp On | Projector | Lamp On | |
| Projector Lamp Off | Projector | Lamp Off | |
| JSD100 Digital Audio | JSD100 | Send | 4 |
| JSD100 Non Sync | JSD100 | Set Input | 8 |
| JSD80 Button 5 | JSD80 | Send | button 6 |
| JSD80 Button 6 | JSD80 | Send | button 7 |

| | | | | Alarm | Alarm | | | | | Movie | Projector | Projector | Projector | Projector | JSD100 | JSD100 | JSD80 | JSD80 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Half | Low | Full | Light | Light | | | Masking | Masking | Start | Close | Open | Lamp | Lamp | Digital | Non | Button | Button |
| Description | Lights | Lights | Lights | On | Off | Spare | Spare | Flat | Scope | Signal | Dowser | Dowser | On | Off | Audio | Sync | 5 | 6 |
| Device | ROUT 1 | ROUT 2 | ROUT 3 | ROUT 4 | ROUT 4 | ROUT 5 | ROUT 6 | ROUT 7 | ROUT 8 | DIN 8 | Projector | Projector | Projector | Projector | JSD100 | JSD100 | JSD80 | JSD80 |
| Action | CP | CP | CP | C | O | CP | CP | CP | CP | SP | Close Dowser | Open Dowser | Lamp On | Lamp Off | Send | Set Input | Send | Send |
| Data | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | | | | | 4 | 8 | button 6 | button 7 |
| Macro Name | | | | | | | | | | | | | | | | | | |
| FlatStart | | 1 | | | | | | 2 | | | | | | | | | 0 | |
| Feature Scope Start | | 1 | | | | | | | 2 | | | 5 | 3 | | 7 | | | |
| Feature End | | | 1 | | | | | | | | | | | | | | | 0 |
| Fire Alarm | | | 0 | 1 | | | | | | | 2 | | | | | | | |
| Fire Alarm Movie Clear | | 0 | | | 1 | | | | | | | 2 | | | | | | |
| New Macro 1 | | | | | | | | | | | | | | | | | | |