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 –m 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.

🧶 COM1:115200baud - T	era Term VT	
File Edit Setup Cont	rol Window Help	100
Welcome to the JNI	UK Model 310 (S/N 209010052) running US v4.5.1119.1	.103
TINI login: inior		
TINI password:		
- TINI /> ipconfig		
Hostname	: jr209010052.	
Current IPv4 addr.	: 192.168.6.139/20 (255.255.240.0) (active)	
Current IPv6 addr.	: fe80:0:0:0:260:35ff:fe0b:a416/64 (active)	
Default IPv4 GW	: 192.168.1.1	
Ethernet Address	: 00:60:35:0b:a4:16	
Primary DNS	:	
Secondary DNS	:	
DNS Timeout	: 5000 (ms)	
DHCP Server	:	
DHCP Enabled	: false	
Mailhost	: jr209010052	
TINI />		· ·

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 enternet 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			IF	Addres	SS	Port	Baud	Data Bits	Parity	Stop Bits	Termination Strin	ng			
Projector		BARCO			1	0.0.0.10	2	43680					None		
JSD80		RAW ETHERNET			1	92.168.	6.140	10001					\r		
Add	Remove														
7666	Hellove														
7100	Tieniove													_	
Devices	Tielliove														
Devices															
Devices Device Name	Туре	IP Address	Port	Baud	Data Bits	Parity	Stop Bits	Termination String	3						
Devices Device Name Projector	Type BARCO	IP Address 10.0.0102	Port 43680	Baud	Data Bits	Parity	Stop Bits	Termination String	3						
Devices Device Name Projector JSD80	Type BARCO RAW ETHERNET	IP Address 10.0.0.102 192.168.6.140	Port 43680 10001	Baud	Data Bits	Parity	Stop Bits	Termination String]						

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.

Macro Name A Timing Action Description								Nar	me		Devi	te	A	ction	D	ata			
- FlatStart								н	alf Lights		ROU	Τ1	C	lose Pulse	1				
JSD80 Butto	on 5 00:00	JSD8) Send bu	tton 6			Timina	- L	Low Lights			JT 2		lose Pulse	1				
- Low Lights	00:01	ROUT	2 Close I	Pulse 1 se	c(s)			Full Lights		ROU	ROUT 3		Close Pulse						
Masking Fla	t 00:02	ROUT	ROUT 7 Close Pulse 1 sec(s)				+ M	•••• F	Fire Alarm Light On R		n ROU	Τ4	C	lose					
Feature Scope S	Start						+ 50	Fire Alarm Light Off				ROUT 4 Open							
🚊 Feature End								Spare				Т 5	Close Pulse	1					
JSD80 Butto	on 6 00:00	0:00 JSD80 Send button 7					- Se	c S	pare		ROU	Т 6	C	lose Pulse	1				
Full Lights 00:01 ROUT 3 Close Pulse 1 sec(s)						<u> </u>	lasking Fla	ət	ROU	т7	0	lose Pulse	1	1					
😥 Fire Alarm					- Mi	n M	lasking Sc	ope	ROU	Т8	C	Close Pulse	1						
🗼 🛛 Fire Alarm Movi	ie Clear							M	lovie Start	: Signal	DIN	8	5	oft Pulse	1				
New Macro 1								P	rojector Cl	lose Do	wser Proj	ector	0	loseDows	er				
							<-	P	Projector Open Dowser		wser Proj	Projector		Open Dowser					
								— P	rojector La	amp On	Proj	ector	L	.amp On					
								P	rojector La	amp Off	· Proj	ector	L	amp Off					
							Un	!)!	SD100 Dig	ital Aud	lio JSD:	.00	5	end	4				
									5D100 Noi	n Sync	JSD	.00	5	et Input	8				
							Dn	1 1	SD80 Butte	on 5	JSDI	10	5	end	b	utton 6			
								_] 3	SD80 Butte	on 6	JSD	10	5	end	b	utton 7			
Add - Re																			
	emove Cop	y Macro]		Ann	otate 🛛 🕶			Add	Re	emove								
	emove Cop	y Macro]		Ann	otate 🔻]		Add	Re	emove								
Revision	o Cop	y Macro			Ann	otate •			Add	Re	emove								
Revision Date	0 1/7/2011	y Macro			Ann	otate •			Add	Re	emove								
Revision Date Comment	0 1/7/2011 USL Example	y Macro			Ann	otate •			Add	Re	emove								
Revision Date Comment	0 1/7/2011 USL Example	y Macro			Ann	otate •			Add	Re	emove								
Revision Date Comment	0 1/7/2011 USL Example	y Macro		Fire	Fire	otate •			Add	Re									
Revision Date Comment	0 1/7/2011 USL Example	y Macro		Fire	Ann Fire Alarm	otate •			Add	Re	Projector	Projector	Projector	Projector	JSD100	JSD100	JSD80	JSD80	
Revision Date Comment	0 1/7/2011 USL Example Half	y Macro)	Fire Alarm	Ann Fire Alarm Light	otate •		Masking	Add	Re	Projector Close	Projector Open	Projector	Projector	JSD100	JSD100	JSD80 Button	JSD80 Button	
Revision Date Comment Description	0 1/7/2011 USL Example Half Lights	y Macro	Full Lights	Fire Alarm Light On	Ann Fire Alarm Light	otate v	Spare	Masking	Add	Movie Start Signal	Projector Close Dowser	Projector Open Dowser	Projector Lamp On	Projector Lamp Off	JSD100 Digital	JSD100 Non Sync	JSD80 Button 5	JSD80 Button 6	
Revision Date Comment Description Device	0 1/7/2011 USL Example Half Lights ROUT 1	y Macro	Full Lights ROUT 3	Fire Alarm Light On ROUT 4	Ann Fire Alarm Light Off ROUT 4	otate v v v v v v v v v v v v v v v v v v v	Spare ROUT 6	Masking Flat ROUT 7	Add Masking Scope ROUT 8	Re Movie Start Signal DIN 8	Projector Close Dowser Projector	Projector Open Dowser Projector	Projector Lamp On Projector	Projector Lamp Off	JSD100 Digital Audio	JSD100 Non Sync JSD100	JSD80 Button 5 JSD80	JSD80 Button 6 JSD80	
Revision Date Comment Description Device Action	0 1/7/2011 USL Example Half Lights ROUT 1 CP	y Macro	Full Lights ROUT 3 CP	Fire Alarm Light On ROUT 4 C	Ann Fire Alarm Light Off ROUT 4	spare ROUT 5 CP	Spare ROUT6 CP	Masking Flat ROUT7 CP	Add Masking Scope ROUT 8 CP	Re Movie Start Signal DIN 8 SP	Projector Close Dowser Projector Close Dowser	Projector Open Dowser Projector Open Dowser	Projector Lamp On Projector Lamp	Projector Lamp Off Projector Lamp Off	JSD100 Digital Audio JSD100 Send	JSD100 Non Sync JSD100 Set Input	JSD80 Button 5 JSD80 Send	JSD80 Button 6 JSD80 Send	
Revision Date Comment Description Device Action Data	0 1/7/2011 USL Example Haif Lights ROUT 1 CP 1	y Macro	Full Lights ROUT 3 CP 1	Fire Alarm Light On ROUT 4 C	Fire Alarm Light Off ROUT 4 O	Spare ROUTS CP 1	Spare ROUT 6 CP 1	Masking Flat ROUT7 CP 1	Add	Re Movie Start Signal DIN 8 SP 1	Projector Close Dowser Projector Close Dowser	Projector Open Dowser Projector Open Dowser	Projector Lamp On Projector Lamp	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	
Revision Date Comment Description Device Action Data Macro Name	0 1/7/2011 USL Example Haif Lights ROUT 1 CP 1	y Macro	Full Lights ROUT3 CP 1	Fire Alarm Light On ROUT 4 C	Fire Alarm Light Off ROUT 4 O	Spare ROUT 5 CP 1	Spare ROUT 6 CP 1	Masking Flat ROUT7 CP 1	Add	Re Movie Start Signal DIN 8 SP 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	

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

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 <u>macro</u> 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.

Open Local File Open	Remote File (<u>Close</u> Sa	ave As <u>P</u>	ublish to .	<u>INIOR</u> Li	nk Device	<u>s</u> - C:\Us	sers\RickE	\AppData`	Roamin	g\INTEG\JNIC	R Support Tool	Files\192.1	68.6.139_1	150108\de	vices_JS[)80.csv			
Working File : C:\Users\	Rick E\App Data	a\Roaming	g\INTEG\	JNIOR Su	pport Tool	Files\192	.168.6.139	9_150108\	macro_US	L_JSD8	0.csv									
Macro View							-	Actio	n View										_	
Macro Name 🔺	Timing	Action	n Descripti	on				Nan	ne		Devic	e	A	ction	D	ata				
FlatStart									alf Lights		ROU	T 1	0	lose Pulse	1					
JSD80 Button	5 00:00	JSD8	0 Send bu	tton 6	~		Timing Low Lights			ROU	ROUT 2 Close Pulse			1	1					
Low Lights	ts UU:U1 ROUI 2 Close Pulse 1 sec(s)					+ Min			RUU	ROUT 3 Close Pulse			1	1						
Masking Flat	.at UU:UZ ROUT/Close Puise I sec(s)							Fire Alarm Light Off			F ROU	ROUT4			Jiose					
Feature Scope St	tart						+ Sec			I ROU	ROUT 4			Upen Class Bulas 1						
Eiro Alarm	(Dare		ROU	15		lose Pulse	1						
Eiro Alarm Mavia	Fire Alarm						- Se	с ³⁴ м	asking Ela	+	ROU	77		loce Dulce	1					
New Macro 1	Ciedi						Ma		asking Fig	nne	ROU	T 8		lose Pulse	1					
····· New Macro 1							- 11		ovie Start	Signal	DIN	R		oft Pulse	1					
Macro Namo So	ndor			0 2	3			Pr	niector Cl	ose Dov	wser Proje	rtor	-	loseDows	er					
Macro Name Se	liuei			_					niector 0	nen Dov	wser Proje	rtor		nen Dows	er					
					_		<-	Pr	ojector La	mp On	Proje	ctor	L	amp On	-					
Macro Name or Nu	mber HatStar	t						Pr	oiector La	mp Off	Proje	ctor	L	amp Off						Up
HEV String									D100 Dia	ital Aud	io JSD1	00	s	end	4					Do
HEX Jung	05 00 01 00 70	0.05.04.00	00.40.00	01 74 50			Up	39	D100 Nor	Sync	JSD1	00	s	et Input	8					DI
74 61 72 74	05 6D 61 63 72	2 6F 01 00	1 U9 46 6C	61 /4 53			De		D80 Butto	on 5	JSD8	0	s	end	b	utton 6				
/401/2/4							Un	20	D80 Butto	on 6	JSD8	0	S	end	b	utton 7				
IP Address 192 User Name inior	. 168 . 6 .	139		Send		iustom C	ommand Macro	Response	e e	×	nove									
Password injor						\smile													\square	Πr
Connec	t Disconr	nect			-			_												
Macro Command S	ient				-				OK											đ
					کر ل	-	-	-	-											
				Alarm	Alarm					Movie	Projector	Projector	Projector	Projector	JSD100	JSD100	JSD80	JSD80	Ш.	41
	Half	Low	Full	Light	Light			Masking	Masking	Start	Close	Open	Lamp	Lamp	Digital	Non	Button	Button	Ш.	41
Description	Lights	Lights	Lights	On	Off	Spare	Spare	Flat	Scope	Signal	Dowser	Dowser	On	Off	Audio	Sync	5	6		Ш
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	с	0	CP	CP	CP	CP	SP	Close Dowser	Open Dowser	Lamp On	Lamp Off	Send	Set Input	Send	Send		П
Data	1	1	1			1	1	1	1	1					4	8	button 6	button 7	ĦT	TT.
Macro Name																			HT	H.
FlatStart		1						2									0			tt l
Feature Scone Start		1						-	2			5	3		7		-			H.
Frankine Goupe Start				-					-				-	-	1			0	\square	++
reature End			-			-		-	-		-				-	-	-	U	\square	#
Fire Alarm			U	1							2								$\parallel \mid$	#
Fire Alarm Movie Clear		0			1							2				-			Щ.	4
New Macro 1													-						11	4