Using Main Application to add a new Hydra I/O box.

To add a new Hydra I/O box to your current Network configuration you must first define the type of I/O box, name it, and identify the IP Address of the I/O box.

Calrec Audio Alpha Offline Editor (5241 NBC 1A w SDI) - 🗆 🗵 VO Box Name: Load I/O Box Create New I/O Box Box Type IP: 192 168 0 IP: 192 168 0 Slot No Type Default Lat Input Output EDIT NET DEVICE VIEWS CONF PANELS STATES OPT 2.8a 컱 🏭 🕶 🐺 Options loaded 88D

Go to the NET page, then choose "CONF I/O BOX".

At the top of the page, click on the GRN button labeled "Create New I/O Box".

A pop-up window will allow you to choose an I/O box from a type list.



Choose the type of I/O box that you are adding to the network, then click "OK".

A pop-up window will appear allowing you to give a name to the I/O box. The name is limited to 4 characters. Choose a name that is unique from any other I/O box in your network.

<mark>@</mark> C	onfigure I/O Box	ĸ		×
Plea	se enter the info	rmation below, tl	hen fill in the card t	pes on the next
scree	en. Do not forge	t to press save v	when satisfied with	configuration
VO B	ox IP Friendly nam	e		
		· · · · · · · · · · · · · · · · · · ·		
ID.	192	168		
	102			
IP:	192	168	0	
				OK Cancel

Enter the assigned IP Address of the new I/O box. All IP Addresses in your network will have the same 2 octets, 192.168. The next 2 octets may vary but typically the 3rd octet will remain the same across your network. The 4th octet will be the unique address of the I/O box. The address must not conflict with any other I/O box on the Hydra network.

🐵 Configure I/O Box	×
Please enter the information below, then fill in the card types	s on the next
screen. Do not forget to press save when satisfied with con	figuration
VO Box IP Friendly name RIOB	
IP: 192 168 0 73	
IP: 192 168 0 173	
	K Cancel

Once you have entered a name and IP address for the new I/O box, click "OK".

You will see the I/O box listing its input and output port labels. You may edit the port labels and also enter descriptions on the following pages;

NET \ CONF I/O BOX \ INPUT

Calrec	Audio Alph	a Offline Ec	itor (5241	NBC 1A w	SDI)										_	
	VO Box N	ame: RIOB	73	IP: 1	92 168	0 173	Box Type:	AD5603	3 (24M	i-8Lo)		Create New I/O Box	Load I/O Box Config	S	ave I/O Bo Config	DX
								Slot	No	Туре	Default Label	Desi	cription		Inn	
									1	M/L	RIOB1			LR		u
									2	M/L	RIOB2			LR		
									3	M/L	RIOB3			LR	Outp	out
									4	M/L	RIOB4			LR		
									5	M/L	RIOB5			LR		
									6	M/L	RIOB6			LR		
									7	M/L	RIOB7			LR		
									8	M/L	RIOBS			LR		
									3	MA	RIOD3					
									11	MA	RIOB10			IR		
									12	M/L	RIOB12			LR		
EDIT NET DEVICE STATUS I/O BOX VIEWS CONF I/O BOX																
C A L R	E C PAI	IELS STAT	USER	MEM	1/0	тесн о	PT NET		Options	s loaded				•	EXIT	2.8a

NET \ CONF I/O BOX \ OUTPUT

Calre	Audio Alpha Offline Editor(5241 NBC 1A w SDI)								
	VO Box Name: RIOB IP: 192 168 0 73 IP: 192 168 0 173	Box Type:	AD5603 (2	4Mi-8Lo)		Create New I/O Box	Load I/O Box Config	Save I/O Bo Config	x
			Slot 1 1 2 3 4	lo Type LIN LIN LIN LIN	e Default Label RIOB1 RIOB2 RIOB3 RIOB4	Descri	ption LR LR LR LR LR LR	Outp	ıt ut
EDIT NET DEVICE									
CAL	PANELS STATES USER MEM IO TECH OF	PT NET	Opti	ons loaded				EXIT	2.8a

When you are done editing port labels and descriptions, click on the RED button at the top Right of the screen labeled "Save I/O Box Config".

This saves the I/O box type and makes it available for you to use in your network configuration.

SCI Calrec Tech Memo – Using Main Application to add new Hydra I/O box Go to: NET \ EDIT NET \ DEVICES.

You will see the entire active Hydra Network on the right side of the screen.

You will see the newly added I/O box as an available device on the left hand side of the screen.

Select the new I/O box on the left hand side of the screen and then click on the button in the center of the screen that is labeled as "Add >".

Calrec	Audio Alpha Offlin Active Ne Network config	e Editor (5241 NB etwork Config: being viewed/edite	NBC 1a Network	vork with 3 ork with 3B	8	T	Save Open To File File	Open Active Config	Save to File Load into Desk	_ Devi	ces
EDIT NET DEXCE VIEWS CONF 10 EQX	- Available devices- Port 1 P 192-168.0.73	Port 2 IP 192.168.0.173	Name RIOB		Add - Image: Control of the second	cces place	ed on your view of the Pent 1 P 192 168 0 51 192 168 0 53 192 168 0 54 192 168 0 55 192 168 0 55 192 168 0 65 192 168 0 65 192 168 0 64 192 168 0 65 192 168 0 65	Instruction Port 2 P 192 168.0.151 192 168.0.151 192 168.0.151 192 168.0.152 192 168.0.154 192 168.0.154 192 168.0.154 192 168.0.154 192 168.0.154 192 168.0.156 192 168.0.156 192 168.0.156 192 168.0.156 192 168.0.156 192 168.0.156 192 168.0.156 192 168.0.156 192 168.0.156	Name 14A1 14A1 14D1 14D2	Port	s ut ts
CALR	PANELS S			King I	Options loaded	_			•	X	2.8a

The new I/O box will be added to the end of the list on the right hand side.

🐵 Calrec	Audio Alpha Offlin	e Editor (5241 NBC	IA w SDI)	th 20	_	1	1		
	Acuve M	stwork comig.	NBC Ta Network W	0156	Save	Open	Open	Save to File	Devices
	Network config	being viewed/edited	NBC 1a Network with	38	To File	File	Active Config	Load into Desk	Output
	-Available devices-				es placed on y	our view of t	he network		Ports
	Port 1 IP	Port 2 IP	Name	Add >	ode	Port 1 IP	Port 2 IP	Name	Input
				1	19	2.168.0.51	192,168.0.151	1 001	Ports
				Add All >>	19	2.168.0.53	192.168.0.153	1AD1	
				< Remove 3	19	2.168.0.54	192.168.0.154	1AD2	
				7	19	2.168.0.52	192.168.0.152	S3K1	
				<< Remove All	19	2.168.0.58	192.168.0.158	8GA1	
				Reset 9	19	2.168.0.55	192.168.0.155	🦉 6EA1	
				10	19	2.168.0.63	192.168.0.163	💆 S3C1	
				Remove Device from	19	2.168.0.64	192.168.0.164	🗮 S3A1	
				Configuration 12	19	2.168.0.66	192.168.0.166	💆 S3B1	
				13	19	2.168.0.65	192.168.0.165	💢 PROM	
				Add Device to 14	19	2.168.0.73	192.168.0.173	🗮 RIOB	
				IP Port 1:					
EDIT NET DEVICE STATUS				Node Number: Update Row/ Change Name					
LO BOX VIEWS CONF]					SAVE optio to Disk and Sets default o	ns LOAI Flash from ptions for bootup/r	D options Disk to Flash reset	
	E C PANELS S	TATES USER ME	ем ио тесн	OPT NET Options loaded				•	EXIT 2.8a

In order to use the new network configuration, which includes your new I/O box, you must first load the new network configuration into the console.

You may overwrite your old network configuration or you may save a new network configuration with a different name and then load it into the console.

To save a new network configuration, tab or click into the WHT field at the top and center of the screen called "Network config being viewed/edited". You may change the name of your current network configuration.

Once you have changed the network configuration name, click on the RED button in the upper right corner of the screen labeled "Save to File, Load into Desk".

Active N	letwork Config:	NBC 1a Netv	vork with	3B and 9C	_	Save	Open	Open	Save to File	De
Network confi	g being viewed/edited	NBC 1a Netw	ork with 3E	and 9C		To File	File	Active Config	Load into Desk	0
- Available devices				- David		and on u		a naturark		Po
Port 1 IP	Port 2 IP	Name		Add >	Node	Jeu on y	Port 1 IP	Port 2 IP	Name	In
				1		192	168.0.51	192,168.0.151	10A1	P
				2		192	168.0.53	192.168.0.153	1AD1	
				< Remove 3		192	168.0.54	192.168.0.154	📕 1AD2	
				7		192	.168.0.52	192.168.0.152	💆 \$3К1	
				<< Remove All 8		192	.168.0.58	192.168.0.158	🗮 8GA1	
				Reset 9		192	168.0.55	192.168.0.155	🦉 6EA1	
				10		192	.168.0.63	192.168.0.163	📕 S3C1	
				Remove Device from		192	.168.0.64	192.168.0.164	🌉 S3A1	
				Configuration 12		192	.168.0.66	192.168.0.166	🌉 S3B1	
				13		192	.168.0.65	192.168.0.165	💢 PROM	
				Add Device to 14		192	.168.0.73	192.168.0.173	💢 RIOB	
E 5				P Port 1: P Port 2: Name: Node Number: Update Row/ Change Name						
×						s	SAVE optio to Disk and iets default o	ns LOAI Flash from ptions for bootup/r	D options Disk to Flash reset	

You will see a pop-up dialog box to remind you to allocate your new ports to new or existing lists.

Loading A	Active Config	×
X	Need to update Opt->Lists Please check all settings	

Go to: OPT \ PORT LISTS \ ALLOC TO LISTS

The new I/O box's Ports must be assigned to new or existing I/O Lists. By default, new I/O boxes are assigned to "No Lst". You must "Move to List" or "Create New List" to assign the new I/O ports to lists.

Go to: OPT \ PORT LISTS \ ALLOC TO LISTS \ INPUTS Select the new Input ports on the left hand side of the screen, highlighted in BLU.

	Show Conf for Curr N	igs et	Reset Config	/ List Cor	Active List Config	NBC 1A LI	STS 4	Save Op To File Fil	en le Ai	Open tive Config	Save to Fil Load into De	e esk	Allo
	Port Name		Set	Mic Open	List	Screen Only	Desc		Node V	R:S:P	Туре		Po
	PROME2L	R			PROM			-	13	-:E:3/4	M/L	-	
	PROME3L	R			PROM				13	-:E:5/6	M/L		S
	PROME4L	R			PROM				13	-:E:7/8	M/L		L
	PROMF1L	R			PROM				13	-:F:1/2	M/L		
	PROMF2L	R			PROM				13	-:F:3/4	M/L		
	PROMF3L	R			PROM				13	-:F:5/6	M/L		
_	PROMF4L	R			PROM				13	-:F:7/8	M/L		
RT	PROMK1L	R			PROM				13	-:K:1/2	M/L		
TS	PROMK2L	R			PROM				13	-:K:3/4	M/L		
	PROMK3L	R			PROM				13	-:K:5/6	M/L		
sc	PROMK4L	R			PROM				13	-:K:7/8	M/L		
	RIOB1 L	R			NO LST	yes			14	-:-:2L/R	M/L		
	RIOB2 L				NO LST	yes			14	-:-:3L/R	M/L		
NC	RIOB3 L				NO LST	yes			14	-:-:4L/R	M/L		
	RIOB4 L				NO LST	yes			14	-:-:5L/R	M/L		
NC	RIOB5 L				NO LST	yes			14	-:-:6L/R	M/L		
B	RIOB6 L				NO LST	yes			14	-:-:7L/R	M/L		
	RIOB7 L				NO LST	yes			14	-:-:8L/R	M/L		
DEU	RIOBS L				NO LST	yes			14	-:-:9L/R	M/L		
	RIOB9 L				NO LST	yes			14	-:-:10L/R	M/L		
	RIOB10L				NO LST	yes			14	-:-:11L/R	M/L		
PI	RIOB11L				NO LST	yes			14	-:-:12L/R	M/L	207220	
	RIOB12L				NO LST	yes			14	-:-:13L/R	M/L		
P0	Mic Open Bus None	ses 1		2	3 4	5	Move to Modify List List Create New Remove	e SAVE of to Disk	ptions and Flas	sh LOAD from s for bootup/re	options Disk to Flast		

Click on the button labeled "Create New List".

A pop-up dialog box will appear. Give the list a name. List Names are limited to 4 characters. Lists will appear on the PC screen in the Main Application as well as on the console's I/O Matrix panel. If you do not want the list to appear on the console, select "Screen Only – YES" in this dialog box.

Create New	/ List		×
List Label (max	6 chars) 9C		
Course Only	Vec	Nia	
Screen Unly:	res	NO	
		K Car	cel

Click "OK".

	101 0011110	t	Config	List Cor	fig being viewed/ed	dited	SIS 4 Save To File	Open File /	Open Active Config	Save to File oad into Desk	List
	Port Name	<u>_</u>	Set	Mic Open	List	Screen Only	Desc	Node V	R:S:P	Туре	Po
P	ROME2L	R			PROM			13	-:E:3/4	M/L	
P	ROME3L	R			PROM			13	-:E:5/6	M/L	S
P	ROME4L	R			PROM			13	-:E:7/8	M/L	LI
P	ROMF1L	R			PROM			13	-:F:1/2	M/L	
PI	ROMF2L	R			PROM			13	-:F:3/4	M/L	
PI	ROMF3L	R			PROM			13	-:F:5/6	M/L	
PI	ROMF4L	R			PROM			13	-:F:7/8	M/L	
RT P	ROMK1L	R			PROM			13	-:K:1/2	M/L	
TS PI	ROMK2L	R			PROM			13	-:K:3/4	M/L	
I PI	ROMK3L	R			PROM			13	-:K:5/6	M/L	
SC P	ROMK4L	R			PROM			13	-:K:7/8	M/L	
R	IOB1 L	R			90			14	-:-:2L/R	M/L	
R	IOB2 L	R			90			14	-:-:3L/R	M/L	
NC R	IOB3 L	R			90			14	-:-:4L/R	M/L.	
R	10B4 L	R			90			14	-:-:5L/R	M/L	
DN R	IOB5 L	R			90			14	-:-:6L/R	M/L	
NE R	IOB6 L	R			90			14	-:-:7L/R	M/L	
R	1087 L	R			90			14	-:-:8L/R	M/L	
REH R	IOB8 L	R			90			14	-:-:9L/R	M/L	
R	10B9 L	R			9C			14	-:-:10L/R	M/L	
R	IOB10L	R			90			14	-:-:11L/R	M/L	
PI R	IOB11L	R			90			14	-:-:12L/R	M/L 338	8
R	IOB12L	R			90			14	-:-:13L/R	M/L 👻	1
ERS	ic Open Busse None	es 1		2	3 4	5	Move to Modify List List to Di Create New Remove List List	E options sk and Fla lefault optio	LOAD from D ns for bootup/res	options isk to Flash set	In

You will see that the ports are now assigned to the port list you just created.

Go to: OPT $\$ PORT LISTS $\$ ALLOC TO LISTS $\$ OUTPUTS

Select the new Output ports on the left hand side of the screen, highlighted in BLU.

	Show Conf for Curr N	igs et	Reset Config	A List Cor	Active List Config Ifig being viewed/e	NBC 1A L	ISTS 4	Save To File	Open File	Open Active Config	Save to File Load into Desk	Al
	Port Name		Set	Mic Open	List	Screen Only	Desc		Node	R:S:P	Туре	
	S3B1.J2L	R			\$381				12	-:1:3/4		-
	S3B1J3L	R			\$381				12	-:1:5/6	LIN	
	S3B1J4L	R			S3B1				12	-:J:7/8	LIN	
	PROMG1L	R			PROM				13	-:G:1/2	LIN	
	PROMG2L	R			PROM				13	-:G:3/4	LIN	
	PROMG3L	R			PROM				13	-:G:5/6	LIN	
	PROMG4L	R			PROM				13	-:G:7/8	LIN	
т	PROMH1L	R			PROM				13	-:H:1/2	LIN	
s	PROMH2L	R			PROM				13	-:H:3/4	LIN	
	PROMH3L	R			PROM				13	-:H:5/6	LIN	
c	PROMH4L	R			PROM				13	-:H:7/8	LIN	
	PROMITL	R			PROM				13	-:t1/2	LIN	
1	PROMI2L	R			PROM				13	-:t:3/4	LIN	
c	PROMISL	R			PROM				13	-:1:5/6	LIN	
	PROMI4L	R			PROM				13	-:t7/8	LIN	
N	PROMJ1L	R			PROM				13	-:J:1/2	LIN	
F	PROMJ2L	R			PROM				13	-:J:3/4	LIN	
	PROMJ3L	R			PROM				13	-:J:5/6	LIN	
EH	PROMJ4L	R			PROM				13	-:J:7/8	LIN	
	RIOB1 L				NO LST	yes			14	-:-:2L/R	LIN	
	RIOB2 L				NO LST	yes			14	-:-:3L/R	LIN	
1	RIOB3 L				NO LST	yes			14	-:-:4L/R	LIN	
	RIOB4 L				NO LST	yes			14	-:-:5L/R	LIN 👻	
RS							Move to Modify List List Create New Remove	s Set	AVE option: Disk and F s default opt	LOAE	options Disk to Flash eset	

Click on the button labeled "Create New List".

A pop-up dialog box will appear. Give the list a name. List Names are limited to 4 characters. Lists will appear on the PC screen in the Main Application as well as on the console's I/O Matrix panel. If you do not want the list to appear on the console, select "Screen Only – YES" in this dialog box.

Create New	List			×
List Label (max 6	chars) 9	с		
Screen Only:	Yes		No	
	(ОК	Car	ncel

Click "OK".

You will see the ports are now assigned to the port list you just created.

Show Configs Res for Curr Net Conf		Reset Config	A List Cor	Active List Config Ifig being viewed/e	NBC 1A LI	STS 4	Save O To File F	pen File A	Open Active Config	Save to File Load into Desk	Alloc	
Port	-	Set	Mic Open	List	Screen Only	Desc		Node V	R:S:P	Туре	Po	
S3B1J2L	R			S3B1				12	-:J:3/4	LIN	-	
S3B1J3L	. R			S3B1				12	-:J:5/6	LIN	S	
S3B1J4L	. R			S3B1				12	-:J:7/8	LIN	Li	
PROMG	L R			PROM				13	-:G:1/2	LIN		
PROMO	L R			PROM				13	-:G:3/4	LIN		
PROMOS	IL R			PROM				13	-:G:5/6	LIN		
PROMG	L R			PROM				13	-:G:7/8	LIN		
RT PROMH1	L R			PROM				13	-:H:1/2	LIN		
TS PROMH2	L R			PROM				13	-:H:3/4	LIN		
PROMHS	L R			PROM				13	-:H:5/6	LIN		
C PROMH4	L R			PROM				13	-:H:7/8	LIN		
PROMIT	. R			PROM				13	-:t1/2	LIN		
PROMIZE	. R			PROM				13	-:t3/4	LIN		
PROMISE	. R			PROM				13	-:1:5/6	LIN		
PROMIAL	. R			PROM				13	-:t7/8	LIN		
IN PROMJ1	L R			PROM				13	-:J:1/2	LIN		
PROMJ2	L R			PROM				13	-:J:3/4	LIN		
PROMJ3	L R			PROM				13	-:J:5/6	LIN		
PROMJ4	L R			PROM				13	-:J:7/8	LIN		
RIOB1 L	R			90				14	-:-:2L/R	LIN		
RIOB2 L	R			90				14	-:-:3L/R	LIN		
RIOB3 L	R			90				14	-:-:4L/R	LIN		
RIOB4 L	R			90				14	-:-:5L/R	LIN 👻	1	
RIOB1 L RIOB2 L RIOB3 L RIOB3 L	R R R R			9C 9C 9C 9C		Move to Modify List List	SAVE to Dis Sets de	14 14 14 14 14 14 14 14	-:-2L/R -:-3L/R -:-3L/R -:-5L/R to DAD from 1 s for bootup/re	LIN LIN LIN LIN Options Disk to Flash	1000	

With all port lists defined and ports assigned to lists, save the port file and send the changes to the console. You may overwrite the existing Lists file or save a new Ports List file.

To save a new Ports List, tab into or click into the WHT field at the top of the page labeled "List Config being viewed/edited". Type in a new Ports List file name, then click on the RED button in the upper right side of the page labeled "Save to File, Load into Desk".

	C 0 11	gs	Reset	4	Active List Config NBC 1A LISTS 4				Save	Oper	n	Open	Save to Fi	le	Alloc	
	for Curr Net		Config	List Cor	List Config being viewed/edited		New Ports list		To File	File		ctive Config	Load into Desk		Lists	
	Port Name		Set	Mic Open	List	Sci	reen ly		Desc		N	lode	R:S:P	Туре		Po
	\$38112	P		_	\$381						10		-1-3/4	LIN	-	
	S3B1J3	R			\$381						12		-:1:5/6	LIN		s
	S3B1.I4I	R			\$381						12		-:1:7/8	LIN		Li
	PROMG1L	R			PROM						12		-: G: 1/2	LIN		
	PROMG2L	R			PROM						13		-:G:3/4	LIN		
	PROMG3L	R			PROM						13		-:G:5/6	LIN		
	PROMG4L	R			PROM						13		-:G:7/8	LIN		
ORT	PROMH1L	R			PROM						13		-:H:1/2	LIN		
STS	PROMH2L	R			PROM						13		-:H:3/4	LIN		
	PROMH3L	R			PROM						13		-:H:5/6	LIN		
ISC	PROMH4L	R			PROM						13		-:H:7/8	LIN		
	PROMIL	R			PROM						13		-:t1/2	LIN		
	PROMI2L	R			PROM						13		-:t3/4	LIN		
NC	PROMISL	R			PROM						13	5	-:1:5/6	LIN		
	PROMIAL	R			PROM						13	1	-:t7/8	LIN		
ON	PROMJ1L	R			PROM						13	5	-:J:1/2	LIN		
	PROMJ2L	R			PROM						13	5	-:J:3/4	LIN		
	PROMJ3L	R			PROM						13	5	-:J:5/6	LIN		
OCU I	PROMJ4L	R			PROM						13	5	-:J:7/8	LIN		
KEN	RIOB1 L	R			9C						14		-:-:2L/R	LIN		
	RIOB2 L	R			90						14		-:-:3L/R	LIN		
SPI	RIOB3 L	R			90						14		-:-:4L/R	LIN	1000	
	RIOB4 L	R			9C						14		-:-:5L/R	LIN	-	

Finally, click on the GRN button on the lower right side of this page labeled "SAVE Options to Disk and Flash".