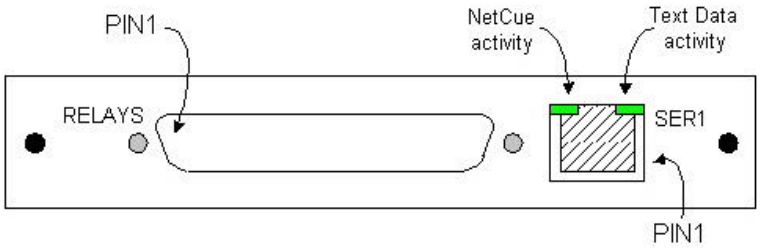
NETCUE/DATA CARD
INSTALLATION GUIDE

The NCC contains 16 Form "A" relays to present dry contact closures to the user It also contains a serial output of ABC DATA. You must power down the Starguide receiver before you install any option cards into the Starguide expansion port. ABC recommends installing the Netcue card in PORT F, however, any available expansion port will work.

Once installed, follow these instructions to configure the Netcue/Data card in the Starguide receiver (the instructions assume the card is in PORT F):

Press <*Enter*> on the Starguide keypad:
Press ? until you get to PORT MENU, press <*Enter*>
Press ? until you get to PORT F, press <Enter>
Press ? until you get to CARD TYPE, press <Enter>
Press ? until you get to Ethernet Card, press <Enter>
NOTE: If this Starguide III receiver also has an EDAS card, then you may need to set CARD TYPE to EDAS)
Press ? to select YES to confirm, then press <Enter>
Press ? until you get to PROVIDER, press <Enter>
Press ? until you get to ABC NEWS, press <*Enter*>
Press ? until you get to SERVICE, press <*Enter*>
Press ? until the NETCUE/DATA is displayed, press <*Enter*>



Follow the tables below to wire the NetCue contact closures and ABC DATA serial output properly:

NETCUES

37 PIN RELAY CONNECTOR

PIN	Function	PIN	Function
1	RLY0A	20	RLY0B
2	RLY1A	21	RLY1B
3	RLY2A	22	RLY2B
4	RLY3A	23	RLY3B
5	CHASSIS GND	24	CHASSIS GND
6	RLY4A	25	RLY4B
7	RLY5A	26	RLY5B
8	RLY6A	27	RLY6B
9	RLY7A	28	RLY7B
10	CHASSIS GND	29	RLY8B
11	RLY8A	30	RLY9B
12	RLY9A	31	RLY10B
13	RLY10A	32	RLY11B
14	RLY11A	33	NETQ RXD
15	NETQ TXD	34	RLY12B
16	RLY12A	35	RLY13B
17	RLY13A	36	RLY14B
18	RLY14A	37	RLY15B
19	RLY15A		

IMPORTANT: DO NOT connect your automation device to PINS 5, 10, 15, 24 or 33. PINS 5, 10 and 24 are receiver chassis grounds. PINS 15 and 33 are serial connections for the NetCue data stream that were used to convert stations from their existing ABC NetCue II boxes over to the Starguide Netcue Card. Your relays will not function properly if you wire your automation directly to these pins.

PRINTER OR WIRE CAPTURE

RJ-45 SERIAL CONNECTOR

PIN	FUNCTION	PIN	FUNCTION
1	RTS	5	GND
2		6	RXD
3	TXD	7	
4		8	CTS

Serial output: 9600 baud, 8 Data Bits, No Parity, 1 stop-Bit (9600,8,N,1)

Data Cable Configuration
for Starguide Netcue card

NCC (RJ-45) DCE to Printer (DB-25) DTE
RXD 6 <----------> 2 TXD
TXD 3 <----------> 3 RXD
GND 5 <----------> 7 GND
RTS 1 <----------> 5 CTS
CTS 8 <----------> 4 RTS

NCC (RJ-45) DCE to Computer (DB-9) DCE
RXD 6 <----------> 3 TXD
TXD 3 <----------> 2 RXD
GND 5 <----------> 5 GND
RTS + CTS 1+8 <----------> 1*
(*or use no flow control and do not connect)

NCC (RJ-45) DCE to Computer (DB-25) DCE
RXD 6 <----------> 2 TXD
TXD 3 <----------> 3 RXD
GND 5 <----------> 7 GND
RTS + CTS 1+8 <----------> 1*
(*or use no flow control and do not connect)

For Temporary Connection to a Netcue II Box:

NCC (DB-37) DCE to existing Netcue II Box (DB-25) DCE
TXD 15 <----------> 3 RXD
GND 10 <----------> 7 GND
(You must change COM 2 on Netcue card to 1200 baud)

Press <*Enter*> on the Starguide keypad:
Press ? until you get to PORT MENU, press <*Enter*>
Press ? until you get to PORT F, press <Enter>
Press ? until you get to CARD SETTINGS, press <Enter>
Press ? until you get to COM PORT, press <Enter>
Press ? until you get to COM 2, press <Enter>
Press ? until the BAUD RATE is set for 1200, press <Enter>
Continue to Press <Enter> for DATA BITS (8), PARITY (none) and STOP BITS (1).
COM2 is now set for 1200 baud.

NOTE: ABC does NOT support permanent connection to a SA-era Netcue II Box. This configuration was offered on a temporary basis during the initial Starguide rollout. Starguide Netcue Cards are reconfigured via a simple satellite download, not via EPROMs.

NETCUE

CONFIGURATION CHANGE AND SELECTION FORM

ABC Technical Services can program your Netcue Card over the satellite. Changing EPROMS is no longer necessary. Complete this form with your changes and fax (or e-mail) to ABC Technical Services. Once your changes have been made, your updated information will be faxed or e-mailed back to you.

LIST PROGRAM NAME/SELECTION(S):

SPECIAL INSTRUCTIONS/COMMENTS:

TO PROPERLY CONFIGURE YOUR NETCUE CARD, WE WILL NEED YOUR NETCUE CARD'S ID NUMBER. YOU CAN GET THIS FROM THE LCD SCREEN ON THE FRONT OF THE RECEIVER BY DOING THE FOLLWING:

Press <ENTER> on the Starguide Keypad.
Right arrow until you get to PORT MENU, press <ENTER>
Right arrow until you get to PORT F, press <ENTER>
Right arrow until you get to CARD SETTINGS, press <ENTER>
Right arrow until you get to CARD INFO, press <ENTER>
The number that appears on the LCD screen is your Netcue/Datacard PID number.

STATION INFORMATION:

CALL LETTERS:_____ [ ]AM [ ]FM PID NUMBER_____

SHIPPING ADDRESS:_____

CITY:_____STATE:_____ZIP:_____

TELEPHONE:_____FAX:_____

CONTACT:_____TITLE:_____DATE:_____

E-MAIL ADDRESS: _____

PLEASE NOTIFY ME VIA: [ ] FAX [ ] E-MAIL

Please send this completed form to:

FAX: (212) 456-5708
E-MAIL: abcrn.techservices@abc.com