

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)

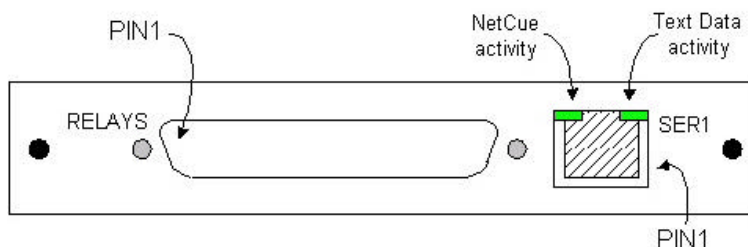
Press ? to select YES to confirm, then press <Enter>

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.

