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BACS troubleshooting

We are aware that some resellers are experiencing problems when installing and using Global Comms (BACS). This bulletin should serve as a troubleshooting guide.

1. Only the IBM Binary Synchronous Communication Adaptec card is supported by Global 2780 Comms. Global Comms does not work with the IBM SDLC card.

   Note that the interrupt vector addresses used by this board clashes with those used by the Asynchronous communications boards so they cannot both be used at the same time. The cabling required by this board is as follows:

Computer	*Modem*
Pin – 1	Pin – 1
Pin – 2	Pin – 2
Pin – 3	Pin – 3
Pin – 4	Pin – 4
Pin – 5	Pin – 5
Pin – 6	Pin – 6
Pin – 7	Pin – 7
Pin – 8	Pin – 8
Pin – 9	Pin – 9
Pin – 10	Pin – 10
Pin – 11	Pin – 11
Pin – 12	Pin – 12
Pin – 13	Pin – 13
Pin – 14	Pin – 14
Pin – 15	Pin – 15
Pin – 16	Pin – 16
Pin – 17	Pin – 17
Pin – 18	Pin – 18
Pin – 19	Pin – 19
Pin – 20	Pin – 20

2. Note that there is a problem with the DTR (pin 20) output on this board. In some circumstances when DTR should be on, it will drop briefly and can cause particularly sensitive modems to disconnect. To solve this problem another pin on the RS232 interface (pin 11) has also been programmed to act as DTR. If you are having problems with modems disconnecting unexpectedly then you should make up a special cable with pin 11 on the Bisynch comms board connected to pin 20 on the modem.

3. The line controller parameters should normally be set as follows:

   First Device Address is #3A0.
   Second Device Address is not used.

   First Device Vector is #2C.
   Second Device Vector is #30.

   Device Parameter A is not used and should be set to 0.
   Device Parameter B is not used and should be set to 0.