

TECHNICAL BULLETIN FROM GLOBAL BUSINESS SYSTEMS

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U.S Robotics Courier V.34 certified for use with BACS

This bulletin is to announce the certification of the U.S Robotics Courier V.34 for use with Global BACS.

The programming for this modem is described in Courier User's Manual for the Courier V34; see Appendix F (Synchronous and Dedicated and Leased line operations). The Global Comms 2780 product uses the modem in the Online Synchronous mode (see page F-9), and should be programmed for Dialling out (page F-12).

AT&ZC=%F%X1%M1DTnnnnnnnn<CR> set up command for: restore default factory configuration, set synchronous clocks, online synch mode, store phone no. to dial where nnnnnnnn is the no.

ATS32=9<CR>

Execute command when front button is pressed.

This programming must be established via an asynchronous terminal, or a PC running a terminal emulation program such as Global PC Workstation. These sequences put the modem into synchronous communication mode, when the button on the front is pressed. The modem only communicates via the RS232 port in synchronous mode when the command has been executed by pressing the front button; a user can always power the modem off and on again to restore it to asynchronous mode.

If the modem is to be used in either synchronous or asynchronous modes, it can be programmed to behave in an asynchronous mode when turned on; then, when synchronous mode is required, the front button is pressed and the programming sequences listed above will be executed to set the modem into synchronous mode.

The cable required for connection between the IBM bisynchronous communications card and the US Robotics Courier V34 modem is a male to female RS232 cable with the following pins connected straight through:-

Pins: 1,2,3,4,5,6,7,8,15,17,20

The Global Comms configuration parameters are as follows:-

Protocol used	2780/E	Synch/Asynch	S
Half or Full Duplex	H	Data Buffer	400
First Dev. Add.	0003A0	Sec. Dev. Add.	000000
First Interrupt	00002C	Sec. interrupt	000030
Parameter A	000000	Parameter B	000000
Rx Active timeout	50*(T)	Connect timeout	40 (S)
Tx complete timeout	5* (S)	Idle timeout	5 (S)
CTS timeout	20 (T)	Break length	10 (T)
Transmit Rate	9600	Receive rate	9600
Parity	N	No of data bits	8
No. of Syns.	3	Break	N
Connection	2		

* The values of the Rx active timeout and Tx complete timeout should be satisfactory for most circumstances. These values may need to be increased if the phone line is of poor quality.

When using Global BACS, choose the Communications option. Then when a message is displayed at the bottom of the screen, which begins "Sending block ", press the button on the front of the modem, which then dials the stored no. Pressing the button again makes the modem disconnect.

The following modems are supported by Global BACS:-

U.S Robotics Courier V34
U.S Robotics Courier V32 (see GT-654 1-Mar-1994)
TCL Datablast (see GT-758 1-Jun-1995)
Modtech M5032 (see GT-641 24-Nov-1993)

Please note that Global Comms 2780 product is now supported on Global System Manager (MS-DOS and Windows) and Global System Manager (Novell NetWare) configurations in addition to Global System Manager (BOS) configurations.

Global Comms 2780 is NOT supported on Global System Manager (Unix) configurations. However, we are currently liaising with a number of 3rd party BACS Comms developers in order to integrate Global BACS with 3rd party Comms products for use with Global System Manager (Unix) and Global System Manager (MS-DOS) and Global System Manager (Novell NetWare). A further announcement will be made in the near future.