Technical Note

TITLE: **IrDA in WIndows 95**

DATE: 02/05/96

PRODUCT FIELDS: Operating Systems / Other
                    Features

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INFORMATION:

IRDA / Windows 95 / TranXit

Troubleshooting IRDA for File Transfers - The Stop sign Icon in Tranxit will display green and the electric circuit will show a completed circuit when you connect.
Before using the B. option(reconfiguration) verify that both units are either Fixed or Variable in the TranXit Setup/Connection and the connection Port, Base Address   and IRQ options match the IRD settings in Device Manager/Ports. Then try to connect. Reconfiguration Procedure. You should try this on one unit at a time. Then check for a connection. If you connect you wont need to do on both units.
      Remove TranXits current SETUPs and exit TranXit.
      Remove any PCMCIA modem that has been installed.
      Remove the Communication, Irda and Printer ports settings from Device Manager/Ports.
      Restart the computer holding down Esc, and then press F1 when prompted to enter Configuration(CMOS). Set I/O ports:
      Defaults are Serial-COM1, IRDA-Not used, Printer-LPT1
      Press End to save and reboot.
      When Windows 95 restarts check Device Manager to see which port the IRDA Device was assigned.
      Start Tranxit and in Setup Connection match your Win95 IRDA settings and verify that both units are in either Fixed or Variable mode(they must be the same   and variable seems to be the easiest to set up).When both units connect you will see a green light and a completed circuit on the Stop Light Icon.

NOTE: To view files on remote system use Open New Remote Window

Printer Redirection. Now that you are connected in file transfer mode you can put your unit next to your IRDA printer and click on Printer Redirection which should automatically connect it also. Verify by viewing the Stop Light Icon.
Final. Now you can reinsert your modem and all features should be working correctly.

NOTE: You probably have a hardware problem if this reconfiguration fails.

TSETUP: **TranXit:**   **WIN95:**   **Control Pa**
settings typically are pre-set to default.   **be set to reflect the following.**
Changes to Device manager settings will be

	reflected by TSETUP settings if applicable		
	Serial	Modem in PCMCIA	Irda PrinterCommunicate PortPr... ECP or StandardGeneric IRDA I...
Primary Unit	Com1	Not used	Com2 LPT1(ECP)Com2(2F8,03) VariableCOM1(04,03F8)LPT1(EC
Alternate 1 Pass	Com1	1. No 2. Yes	Com2LPT1(ECP)Com2(2F8,03) VariableCOM1(04,03F8)LPT1(EC 2. Com3
Alternate 2 FAIL	Com1	Not used	Com2LPT1(ECP)Com2(2F8,03) FIXEDCOM1(04,03F8)LPT1(ECP)
Alternate 3 PASS	COM1	1. No 2. YES	Not usedLPT1(ECP)Com1(03,02F Variable COM1(04,03F8)LPT1(EC 2. COM3

NOTE: Alternate 2 fails because the mode(FIXED) did not match the mode Variable on the Primary unit.
        Also the 2 working configurations above are not necessarily the only working combinations.

SPECIAL NOTE: If you are attempting to utilize the Print Redirection option, especially the first time, you may have trouble connecting. It seems that if the 2 IRDA ports(printer and computer) may need to be reset each time a new option is tried. To reset the ports, you simply move them away from each other for a few moments. Check the connection setup each time you move them back towards each other. Once again each time you may a change you should move the ports away from each other for a few moments and then back.
STILL Not Able To Connect?   TRY THIS!

NoDRV fix.

Problem: 1. Windows 95 Device Manager/Ports doesnt give a port option for the IRDA port.
             2. The IRDA port wont setup correctly.
             3. TRANXIT does not see COM1 and COM2 in Connection Setup/Infrared

 The port option(ComX) is usually displayed behind the port designation.
  Example: Generic IRDA Compatible Device(Com 2)

Cause: Windows 95 may have set up with the incorrect communication drivers settings.

When: This can happen either during a Windows to Win95 upgrade or after an end user reconfiguration.

Solution:

1. Edit C:\WINDOWS\INF\MSPORTS.INF.
2. Search for PNP0510 and press F3 till you find the IRDA description.
3. If the line says NoDrv change it to ComPort.
4. Save the file and exit the editor program.
5. Go to the Device Manager.
6. Double click on Port (COM & LPT).
7. Select Generic IRDA Compatible Device.
8. Click the Remove button.
9. Click the Refresh button.
10. Click the Refresh button and then OK.

The IRDA device line should now show a COM Port(COMX) next to its name.

NOTE: If it still does not, you should remove all 3 ports and then Restart the Computer and recheck the IRDA device for (COMX).

FINAL STEP: Go back to TranXit, match the IRDA port to this (COMX) setting and try your Connection again.
Dont forget to choose the correct option of either Fixed or variable that matches the unit you are trying to connect to.

Keywords:

TRANXIT IRDA