USB to RS-232 CONVERTER

The USB-232 Converter is an intelligent module which connects to a PC Universal Serial Bus port providing a high-speed asynchronous RS232 serial port. The USB-232 Converter provides easy connectivity between the PC and standard communication ports, not requiring PC reconfiguration, assignment of IRQs or jumper settings.

SYSTEM REQUIREMENTS

A PC with a minimum of a 75MHz Pentium, or equivalent
A minimum of 16M bytes of RAM
One available USB type port compliant with USB1.1
Drivers are included on our software master CD that normally ships with ACCES hardware.
Supported Operating Systems: Windows 98/SE, 2000, Me, XP, Linux - built-in to kernel 2.4.0+, MAC OS/8.2 and higher (including X). Driver information is subject to change. Check with ACCES for updated driver information.

CONNECTIONS TO SYSTEM

The USB-232 Converter is equipped with a USB cable and a USB type A connector for connection to a PC USB port and a male DB-9 for connection to a RS232 equipped data or communication terminal.

INDICATOR

A green LED illuminates to indicate transmission or reception of data over the serial port.

INSTALLING THE USB-232 CONVERTER

Note: The RS232 terminal should not be connected to the converter before the converter drivers are installed

1. Power on your computer. Verify the USB port is enabled. Insert the floppy disc or CD containing the software for the USB-232 Converter.
2. Connect the cable of the converter to the USB port of the PC. (The USB-232 Converter is hot-pluggable.)
3. Windows will detect the USB device. Install the driver as described in the next section.

DRIVER INSTALLATION

1. The display "Add New Hardware Wizard" will come up. Click "Next". Click: "Search for the best driver..."
2. Select: "Specify a location" and specify the drive letter for the CDROM or floppy drive where you have inserted the software. Click: "Next" to start search.
3. Click "Next" to continue.
4. Click "Finish". At this point Windows has finished installing the USB-to RS-232 Converter driver.
5. The USB-232 is detected. Click "Next" to continue.
6. Connect the RS232 communication terminal to the USB-232 converter.
7. Click on **Start, Settings**, and **Control Panel**. Double click **System** and click on **Device Manager.** Verify the USB-232 Converter is listed in the list of COM PORTS as "USB to Serial Adapter"
8. Installation is complete. The PORTS section of Device Manager mentioned in step 7 shows the new COM port number, following the "USB to Serial Adapter:"

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SPECIFICATIONS

Communication speed	300 to 920K baud
Power consumption	50mA @5volt (power provided by the PC's USB port.)
Temperature Range	0ºC to 50ºC.
Humidity Range	10 to 90% R.H. Non-condensing.
Modes of Operation	RS-232

INTERFACE CONNECTOR: DB-9, Male
PIN ASSIGNMENTS: Standard PC Serial 9-Pin

PIN ASSIGNMENTS:

PIN#	SIGNAL
1	DCD
2	RXDATA
3	TXDATA
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	RI

UNINSTALLING THE USB-232 CONVERTER

1. Unplug the USB-232 Converter.
2. Insert the converter software diskette or CD.
3. Run the FTDIUNIN.EXE program from the diskette and reboot the PC.

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