Intelligent Serial Adapter Configuration Contents

Adapter Settings Help

The Adapter Settings dialog box lets you set the hardware parameters for your adapter.   The I/O Base Address is the location of the first I/O port on the adapter; the I/O ports are used for control functions.   IRQs (interrupt requests) are not used by this device driver.

I/O Base Address

The I/O base address is the address of the first I/O port on the adapter (the actual number of I/O ports differs between adapter types).   The I/O ports are used for low-level control functions.

The **I/O Base Address** field must match the setting of the DIP switches on the adapter, and must not conflict with any other devices in the system.   See the *Installation Guide* for your adapter for information on setting the I/O port.

To set the I/O base address, click on the **I/O Base Address** field, then click on the address that corresponds to the setting of your adapter.

Memory Base Address

The **Memory Base Address** field identifies the start of the adapter's dual ported memory, which is used for data transfer between the computer and the adapter. The actual size of the dual ported memory is dependent upon the adapter type.

Only addresses below 1 megabyte are supported.

See the *Installation Guide* for your adapter for more information on the dual ported memory.

To set the memory base address, click on the **Memory Base Address** field, then click on the desired address.

IRQ Level

This device driver for Windows NT does not use interrupts, and the **IRQ Level** field will only display **Disabled**.

Click on the **Ports** button to change port names and concentrator layout.

Speed Settings Help

Choose the speed and wiring method which will be used to communicate between the adapter and concentrator, or between concentrators.

In most cases, when the supplied synchronous cables are used, the default displayed is recommended.

Ports Configuration

The Ports Configuration dialog box show ports relative to the controller, and gives each individual port a name.

There are two primary areas to the dialog box.   The **Controller Configuration** area which shows a hierarchical view of how your adapter and each of its ports are currently laid out relative to each other.   Next, the **Port Naming** area allows you to change the name of individual ports.

Controller Configuration

Expand controller folders to display individual ports.   The folders may be opened and closed to allow you to see only those parts which you are currently interested   in viewing.

Selecting a Port Object will activate the **Port Naming** area and allow you to name the port.

NOTE: The Add module, Remove module, and Set Speed buttons are disabled for the type of controller being configured to avoid confusion.

Port Naming

This area allows you to change the name a port is known by within your Windows NT system, e.g. COM10.   The default port name is COM*n*, where *n* is the number of the port.   Virtually any alphanumeric string can be used for a port name, but the usual practice is to use an alphabetic stem (such as COM or TTY), which is common to all ports, followed by a number which identifies a specific port.

Automatically Numbering Ports

If you want all of your ports to have a common name plus a port number (e.g. COM3-COM10, TTY8-TTY15, etc.), check the **Automatically Enumerate Ports** check-box. Select a Port Object in the Controller Configuration list box you wish to start enumerating.   Next, enter the name and number you wish to assign to the first port. When you press Enter, or click on the **Apply** button, all ports below the selected one will be renamed sequentially.   NOTE: The enumeration will not select a port name which is all ready defined in the system.   So if you see a skip in the port name sequence, say COM3 followed by COM5, then

When you have finished, click OK.

Example:

If you have an eight port board and want to use the names COM3-COM10, select the Port Object you wish to start enumerating from and enter "COM3".   The remaining ports will be renamed automatically.

NOTE: Automatically Enumerating will change all port names from the currently selected Port Object down through the entire list box.   So all Port Objects defined in other Concentrator folders below the currently selected Port Object will be enumerated also.

Unique Port Names

To change the name of a port without affecting the names of the ports below it, clear the **Automatically Enumerate Ports** box.   Now select the desired port and enter the new name.   No other port names will be changed.

When you have finished, click OK.

Ports Configuration

The Ports Configuration dialog box allows you to position where concentrators are installed relative to the controller, and give each individual port on a concentrator a name.

There are two primary areas to the dialog box.   The **Controller & Concentrator Configuration** area which shows a hierarchical view of how your adapter, concentrators and each port on a concentrator are currently laid out .   The **Port Naming** area allows you to change the name of individual ports.

Controller & Concentrator Configuration

Expand controller and concentrator folders to display individual ports.   The folders may be opened and closed to allow you to see only those parts which you are currently interested   in viewing.

The following three buttons are enabled after you have selected an item which makes sense to change the current concentrator configuration.   i.e. All the buttons will become disabled if you select a Port Object in the list box.   The configuration keeps track of what is currently selected and allows the appropriate buttons to become selected when necessary.

Add module   Remove module   Set Speed

Selecting a Port object activates the Port Naming area.   When the Port Naming area is activated, you can change the name the port is known by under Window NT, e.g. COM4.

Port Naming

This area allows you to change the name a port is known by within your Windows NT system, e.g. COM10.   The default port name is COM*n*, where *n* is the number of the port.   Virtually any alphanumeric string can be used for a port name, but the usual practice is to use an alphabetic stem (such as COM or TTY), which is common to all ports, followed by a number which identifies a specific port.

Automatically Numbering Ports

If you want all of your ports to have a common name plus a port number (e.g. COM3-COM10, TTY8-TTY15, etc.), check the **Automatically Enumerate Ports** check-box. Select a Port Object in the Controller Configuration list box you wish to start enumerating.   Next, enter the name and number you wish to assign to the first port. When you press Enter, or click on the **Apply** button, all ports below the selected one will be renamed sequentially.   NOTE: The enumeration will not select a port name which is all ready defined in the system.   So if you see a skip in the port name sequence, say COM3 followed by COM5, then

When you have finished, click OK.

Example:

If you have one concentrator module and want to use the names COM3-COM18, select the first Port Object in the Concentrator folder and enter "COM3".   The remaining ports will be renamed automatically.

NOTE: Automatically Enumerating will change all port names from the currently selected Port Object down through the entire list box.   So all Port Objects defined in other Concentrator folders below the currently selected Port Object will be enumerated also.

Unique Port Names

To change the name of a port without affecting the names of the ports below it, clear the **Automatically Enumerate Ports** box.   Now select the desired port and enter the new name.   No other port names will be changed.

When you have finished, click OK.

Add Module button

Depending on which adapter you are currently configuring, you can use the Add module button when you select a Controller folder or in some cases, a Concentrator folder.   Again, depending on which controller is being installed, you may be prompted to select which type of concentrator you wish to install.

NOTE: All new Concentrator folders are added to the end of the currently selected folder.   So if two Concentrator folders are all ready installed, a newly created Concentrator folder is added after the currently installed Concentrator folders.

Remove Module button

Removes the currently selected Concentrator folder.   Any Concentrator folders below the one being removed will be moved up the list to take the place of folder being removed.

Set Speed button

Allows you to set the link speed between Line folders and Concentrator folders.

If the currently selected item is a Line folder, then the speed being set is from the controller to the first concentrator.

If the currently selected item is a Concentrator folder, then the speed being set is from that concentrator to the next concentrator, or back to the controller, depending on whether the currently selected Concentrator folder is the last in the line.

Contacting Digi Int'l Technical Support

If you are having problems installing your Digi Int'l hardware or software, contact the appropriate Technical Support office listed below.

Digi International - USA
10000 West 76th Street
Eden Prairie, MN 55344
phone: 612-943-0579

Digi International - Germany
Domkloster 1
50667 Cologne
Germany
phone: 49-221-920-520

Digi International - Asia
Blk 19, Kallang Ave. #107-163
Singapore, 1233
phone: 65-292-5998

IBM Technical Support

If you are having problems installing your IBM hardware or software, contact IBM
Technical Support listed below.

IBM - USA
    phone: 1-800-4-PC-POWER