Configuring SDLC Relay

Set the serial line interface data-link to SRLY.

Syntax: **set data-link srly** *interface#*

Define data communications parameters at the SRLY # config> prompt,
where # is the interface number specified with the **network** command.
To reach this prompt, enter the network command followed by the appropri
ate interface number at the Config> prompt.

Syntax: **network** *interface#*

Enter all configuration commands from the SDLC config> prompt.

Access this prompt from the Config> prompt.

Syntax: **protocol sdlc**

Assign a number to a group of primary or secondary ports. The default is 1.

Syntax: **add group** *group#*

Add a local port. Ensure that there is no IP address configured for the
interface you select. The interface you select must have a data-link type of
SRLY.

Syntax: **add local**

Add a remote port. The IP address of the remote port is that of the
cooperating SDLC Relay router.

Syntax: **add remote**

Repeat these steps for the second SDLC Relay router. Provide the address of
the first router when prompted for the IP address of the remote port.

When you finish configuring the router, restart it
described on the back of this card to load the
configuration.

d i g i t a l ™
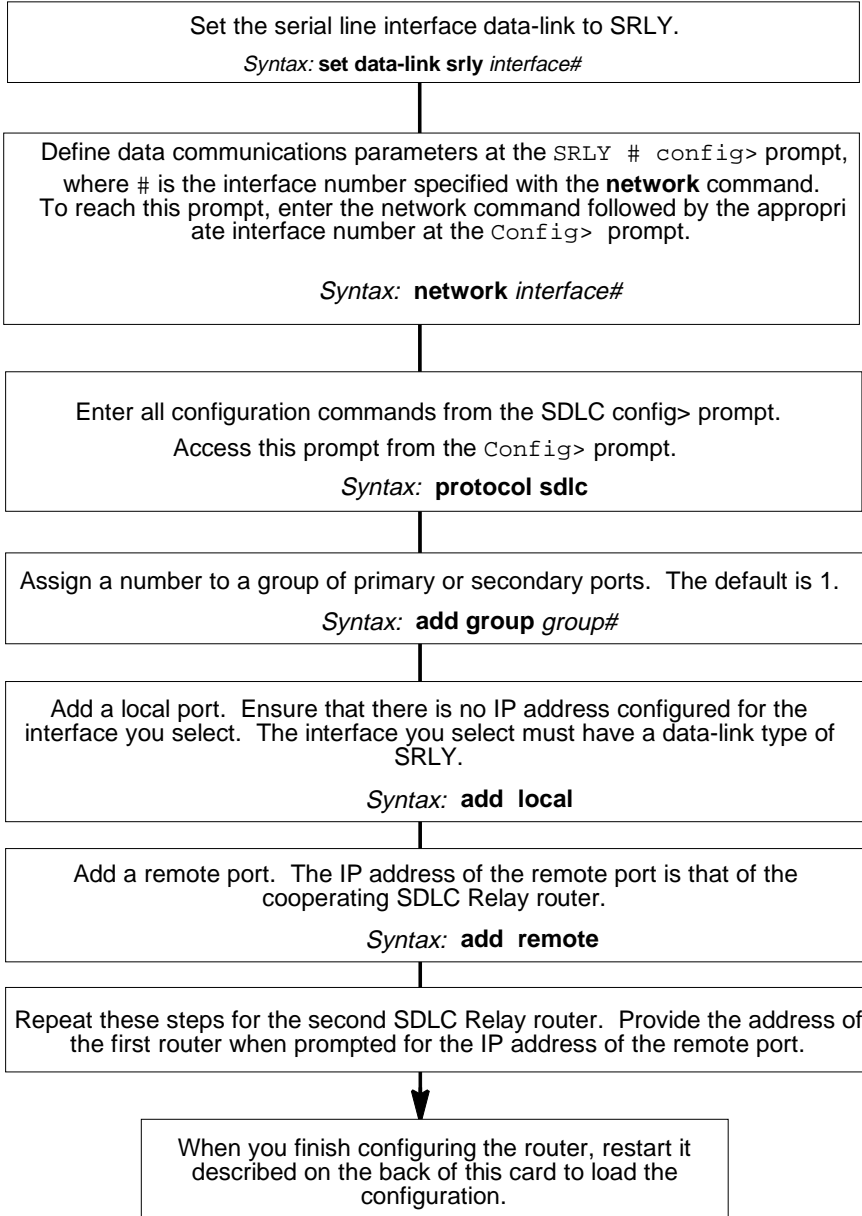
SDLC Relay Configuration Commands

This section summarizes the SDLC Relay configuration commands. Enter these commands at the SDLC config> prompt. The back of this card tells you how to display this prompt. Enter ? to list available commands or their options.

add
>   group *group#*
>>   Assigns a number to a group of primary or secondary ports added to the router.

>   local-port   *group# interface# primary-or-secondary*
>>   Identifies the interface that you are using for the local port.

>   remote-port *group# IP address primary-or-secondary*
>>   Identifies the IP address of the port directly connected to the serial line on the remote router.

delete
>   group *group#*
>>   Removes a group of SDLC relay configured ports.

>   local-port *interface#*
>>   Removes the local port for the specified interface.

>   remote-port *group# primary-or-secondary*
>>   Removes the remote port for the specified group.

disable
>   group *group#*
>>   Suppresses the transfer of SDLC relay frames to or from a specific group.

>   port *interface# primary-or-secondary*
>>   Suppresses the transfer of SDLC relay frames to or from a specific local port.

enable
>   group *group#*
>>   Allows the transfer of SDLC relay frames to or from a specific group.

>   port *interface# primary-or-secondary*
>>   Allows the transfer of SDLC relay frames to or from a specific local port.

list
>   all
>>   Displays the configurations of all local ports.

>   group *group#*
>>   Display the configuration for the specified group.

exit
>>   Returns to the Config> prompt.

SDLC Relay Monitoring Commands

This section summarizes the SDLC Relay monitoring commands. Enter these commands at the SDLC> prompt. The back of this card tells you how to display this prompt. Enter ? to list available commands or their options.

clear-port-statistics
   Clears port statistics gathered since the last time the router was restarted or statistics were cleared.

disable
   group *group#*
      Suppresses the transfer of SDLC relay frames to or from a specific group.
   port *interface# primary-or-secondary*
      Suppresses the transfer of SDLC relay frames to or from a specific local port.

enable
   group *group#*
      Allows the transfer of SDLC relay frames to or from a specific group.
   port *interface# primary-or-secondary*
      Allows the transfer of SDLC relay frames to or from a specific local port.

list
   all
      Displays the configuration for the local ports including the group number, port status, device number, packets forwarded and discarded, and the IP address.
   group *group#*
      Displays the configuration of the specified group including group number, port status, device number, packets forwarded and discarded, and IP address.

exit
      Returns to the GWCON (+) prompt.

Configuring the Router

Enter configuration commands at the `Config>` prompt. Access the `Config>` prompt as shown:

```
*talk 6
Gateway user configuration
Config>
```

If the `Config>` prompt does not appear, press **Return** again.

To enter SDLC Relay configuration commands, display the `SDLC config>` prompt as shown:

```
Config>protocol sdlc
SDLC config>
```

Define communications parameters at the `SRLY # config>` prompt, where # is the interface number specified with the **network** command. To reach this prompt, enter the network command followed by the appropriate interface number as shown:

```
Config>network #
SDLC relay interface user configuration

SRLY # config>
```

To return to the `*` prompt at any time, press **Ctrl/P**.

Restarting the Router

When you are done configuring the router, restart it to load the new configuration. Enter **restart** at the `*` prompt and respond **yes** to the following prompt:

```
Are you sure you want to restart the gateway? (Yes or No): yes
```

When the new configuration is finished loading, the terminal displays the `*` prompt.

Monitoring the Router

Enter monitoring commands at the GWCON prompt (`+`). To enter SRLY monitoring commands, display the `SDLC>` prompt as shown:

```
*talk 5

CGW Operator Console
+protocol sdlc
SDLC>
```