RocketPort® (ISA/;PCI) Series Device Driver (6536) for the Windows™ 3.1 and Windows for Workgroups Operating Systems

Installation Reference Card

Scope

Use this *Reference Card* to install and to configure RocketPort (ISA or PCI) series controllers and the device driver for the Windows 3.1 or Windows for Workgroups operating systems.

Note: This device driver supports up to four RocketPort series controllers (space permitting).

Audience

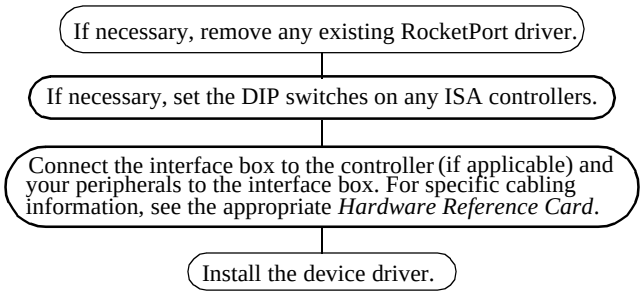
This card is for people who install the software and hardware for applications that run on the Windows 3.1 or Windows for Workgroups systems.

Prerequisites

This card assumes that you are running an ISA-based or PCI-based personal computer with a Windows 3.1 or Windows for Workgroups operating systems.

Installation Procedures

Use appropriate flowchart as guide to installing a RocketPort series system.



Use the next discussion to configure any ISA controller or controllers.

Configuring ISA Controllers

Use the following procedure to configure any RocketPort ISA controllers:

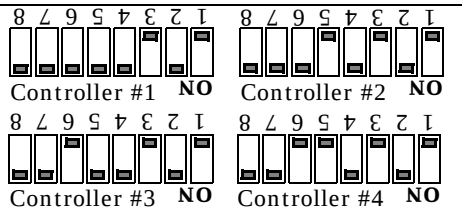
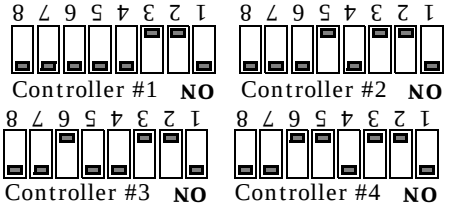
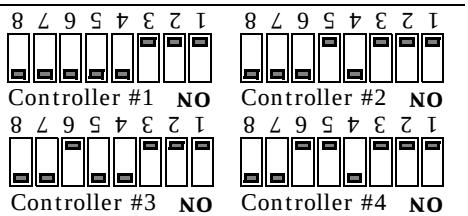
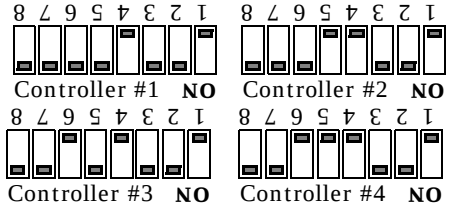
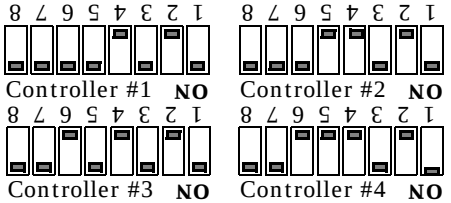
1. Use the following table to set the DIP switch for the I/O address range that you want the controller to occupy.

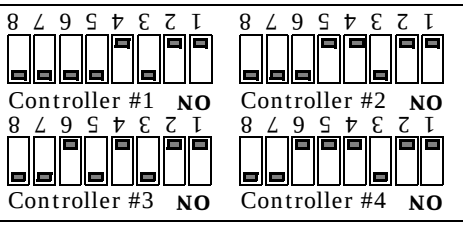
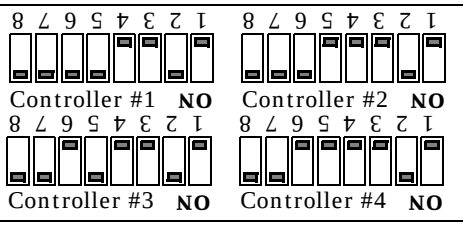
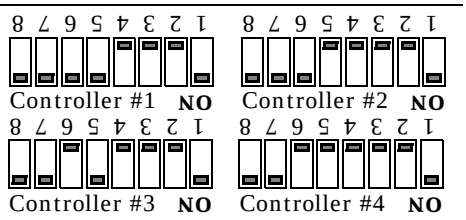
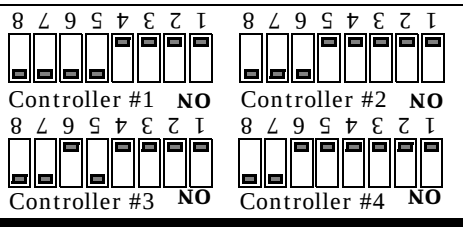
   For the first controller, select a 68-byte I/O address range. For subsequent controllers, select a 64-byte range.

RocketPort series controllers use I/O address ranges at 400 hexadecimal (hex) intervals above the I/O range.

Most peripherals use I/O address ranges between 0 and 3FF hex. If you have peripherals installed above 400h, you may experience an I/O conflict.

The first controller determines the settings for additional controllers.

Controller #1 I/O Address Range	DIP Switch Settings Controller #1 determines other controller settings
100 - 143 hex	 Controller #1 Controller #2 Controller #3 Controller #4
140 - 183 hex	 Controller #1 Controller #2 Controller #3 Controller #4
180 - 1C3 hex (Default)	 Controller #1 Controller #2 Controller #3 Controller #4
200 - 243 hex	 Controller #1 Controller #2 Controller #3 Controller #4
240 - 283 hex	 Controller #1 Controller #2 Controller #3 Controller #4

Controller #1 I/O Address Range	DIP Switch Settings Controller #1 determines other controller settings
280 - 2C3 hex	
300 - 343 hex	
340 - 383 hex	
380 - 3C3 hex	

2. Go to the next discussion to install the controller.

Installing the Controller

Use the following procedure to install the controller or controllers. If installing an ISA controller, make sure that you have set the DIP switch to the desired I/O address.

1. Turn the power switch for the system unit to the OFF position.
2. Remove the system unit cover.
3. Select a slot to install the controller.
4. Insert the controller in the expansion slot, make sure that it is properly seated.
5. Attach the controller to the chassis with the expansion slot screw.
6. Replace the cover on the system unit.

Note: *If you need pinout information, see the Hardware Card that came with your controller.*

If connecting a system with an interface box:

a. Attach the male end of the RocketPort cable to the controller and the female end to the connector on the interface box labeled *Host*.

Note: *If you have a RocketPort 32/PCI, the connector labelled J1 corresponds to ports 0 through 15 on the interface box and the connector labeled J2 (closest to the bus) corresponds to ports 16 through 31.*

b. Connect the peripherals to the interface box.

If connecting a system with an Octacable:

a. Attach the male end of the Octacable to the controller.

b. Connect the Octacable to the peripherals.

If connecting a RocketPort 4J or 8J controller:

a. Connect your peripheral devices to the RJ style connector on the controller.

Note: *If you need pinout information, see the Hardware Card that came with your controller.*

Installing the Device Driver

Use the following procedure to install the device driver.

1. Select Run in the Program Manager and enter:

   a:\setup.exe

2. Select the driver version.

Note: *The Windows 3.1 driver has the following advantages:*

- *It supports a custom interface (see the RCKTAPI.TXT file for documentation) for using ports above COM9 in a 16-bit Windows program.*
- *It is an older driver than the Windows for Workgroups (WFWG311) driver and has more run time on it.*

Note: *The WFWG3.11 driver is the same as the Windows 95 driver and has the following advantages:*

- *It works with Microsoft RAS and FAX software.*
- *It can coexist with other Windows communications drivers.*
- *It can run without using a dedicated interrupt.*

3. Select a value in the I/O address range box for the first controller.

   If you are installing a PCI controller, select the PCI-BUS option. If installing an ISA controller, select the I/O value to which you set the DIP switch.

Note: *If running a PCI and an ISA controller in the same machine, the PCI controller (by default) is always the "First Controller."*

4. Select any additional I/O address ranges for any other RocketPort controllers.
5. If installing an ISA-only configuration, select an available IRQ.

   If you are installing a configuration with any RocketPort PCI controllers, an IRQ is not necessary (even for the ISA controllers). The PCI bus and the drivers handle the interrupts for all RocketPort controllers.

1. Select the "Starting COM Port" value for the first controller.
6. Select <Ok> to the RocketPort Setup prompt.
7. Reboot Windows to activate the driver.

Verifying Installation (Windows 3.1 Version)

You use a program in the **ROCKETPT** directory to test the RocketPort installation.

1. Insert the loopback plug into Port 0 of the interface box or connector (depending on the controller style).
2. Run the **RCKTWCOM.EXE** program from the Program Manager.
3. From the Ports menu, select the <Open Port> option.
4. Select the first COM port for the first controller (usually COM3).
5. From the Ports menu, select <Data Send>.

   You should see data running across the window indicating that the controller is functioning properly.

Note: *If you want to check for specific signals, see the Events option under the menu item. To adjust the baud rate to read the results in the window, select the Line option under the Settings menu item.*

6. Select the <Close> or <Exit> option to discontinue the test.

Verifying the Installation (WFWG311 Version)

You use a program in the **ROCKETPT** directory to test the RocketPort installation.

1. Insert the loopback plug into Port 0 of the interface box or connector (depending on the controller style).

   If using an RJ style connector, Quadcable, or Octacable, you will need a gender adapter to run this test.
2. Run the **WCOM.EXE** program from the Program Manager.
3. From the Ports menu, select the <Open Port> option.
4. Select the first COM port for the first controller (usually COM3).

Note: *You can only test up to COM9 using this program.*

5. From the Ports menu, select <Data Send>.

   You should see data running across the window indicating that the controller is functioning properly.

Note: *If you want to check for specific signals, see the Events option under the menu item. To adjust the baud rate to read the results in the window, select the Line option under the Settings menu item.*

6. Select the <Close> or <Exit> option to discontinue the test.

Resolving Installation Problems

If installation fails or you are trying to resolve a problem, you should try the following before calling the Comtrol technical support line:

- Check the signals between your peripherals and the interface box, Octacable, or standard RJ-style cable to verify that they match (if applicable).
- Check to make sure the cables are connected properly.
- Check to see if the DIP switch is set to the desired address on ISA controllers.
- Reseat the controller in the slot.
- Make sure that the expansion slot screw was replaced after inserting the controller.

Placing a Support Call

Before you place a technical support call to Comtrol, please make sure that you have the following information.

Item	Your System Information
Interface type	
I/O address selections	
Operating system type and release	
Device driver release number (displayed during sign-on)	
PC make, model, and speed	
List other devices in the PC and their addresses	

After you have gathered this information, contact Comtrol using one of the following methods.

Corporate Headquarters:

WEB site: www.comtrol.com

email: support@comtrol.com

FAX: (612) 631-8117

Phone: (612) 631-7654

BBS (for driver updates): (612) 631-8310

Note: The BBS supports modem speeds up to 28.8 Kbps with 8 bits, and no parity.

FTP site (for driver updates): ftp://ftp.comtrol.com

Comtrol Europe:

email: support@comtrol.co.uk or info@comtrol.co.uk

BBS: +44 (0) 1869 243687

Note: *The BBS supports modem speeds up to 14.4 Kbps with 8 bits and no parity.*

FAX: +44 (0) 1869 323211

Phone: +44 (0) 1869 323220

Comtrol has a staff of hardware and software engineers, technicians, and managers available for help.

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