

Linux Device Driver for Digi AccelePort RAS 4/8

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Setup Overview - AccelePort RAS 4/8 in Linux

Here are the major steps required to setup an AccelePort RAS adapter.

Overview of Setup Steps

1. Install the adapter. See the appropriate hardware installation card for more information.
2. Install the Linux device driver package. See [Installing a Downloaded Device Driver](#). This procedure also loads the driver and builds the RAS capable devices.
3. Configure the driver. See [Driver Configuration](#).

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Installing a Downloaded Device Driver

This topic describes how to install a device driver that has been downloaded from the Digi ftp site.

Procedure

1. Log in as super user (root).
2. Install and make the driver package by entering **rpm -ihv dgdm*.rpm** (there are no spaces in "**dgdm*.rpm**"). The driver will be installed in **/usr/src/dg/dgdm/drv/linux**.
3. Enter one of the following commands to load the driver and build the devices:

RedHat: **/etc/rc.d/init.d/dgdm start**

Debian: **/etc/init.d/dgdm start**

The devices will be created in **/dev/dg/dgdm**, linked to **/dev**, and will have the following format:

Dial-in devices: **ttyGa_{xx}**, where *a* is the adapter number and *xx* is the device number.

Dial-out devices: **cuga_{xx}**, where *a* is the adapter number and *xx* is the device number.

4. Add the new services to the **/etc/rc.d** hierarchy by entering the following command:

chkconfig --add dgdm

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Uninstalling the Device Driver

1. Log in as super user (root).
2. Kill all processes that use the dgdm device.
3. Remove the device driver module by entering one of the following commands:

RedHat: /etc/rc.d/init.d/dgdm stop

Debian: /etc/init.d/dgdm stop

4. Enter rpm -e dgdm.
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Driver Configuration

Once the device driver has been successfully installed, it must be configured with information about the connection.

Configuration via the Dense Modem Control Panel

1. Log in as Super User (root).
2. Enter **dm_gui**. The Dense Modem Control Panel appears.
3. Click the adapter icon (picture of a circuit board). The Dense Modem Configuration utility appears.

The configuration utility shows tabs for each installed adapter, with a configuration tab for setting the modem nationality. Help is provided.

Manual Configuration

If you are unable or do not wish to use the graphical configuration utility, the driver may be configured manually with the **dm_admin** command. The man pages for **dm_admin** provide complete descriptions of all of the command line options.

More Information

For more comprehensive information about the device driver and associated utilities, see the man pages for:

- **dm_driver**
- **dm_gui**
- **dm_admin**

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