

800 Series

quick start guide

Hardware Installation

Please use the following directions to install your 800 series card successfully. If the instructions are not followed, your hardware may not function properly and could become damaged.

Installation Procedure

1. Power down your computer and unplug it from its power source.
2. Attach a static strap to your wrist and open the case.
3. Remove the bracket place holder and insert the card into a PCI (TDM800P) or PCI Express (AEX800) slot.
4. If your card has any FXS modules, you will also need to connect a power source to the power cable from your computer's power supply to the back of the card. Insert a four-pin 12 volt connector (disk drive power supply cable, e.g. hard drive) into the white plastic connector on the rear of the card.

Note: If your computer does not have power cables available, then you can use the Digium PWR2400B (available separately) to supply the power.
5. Replace the cover to your computer.
6. Power on your computer.
7. Plug all outside phone lines to the FXO (red) ports and connect all phones to the FXS (green) ports as needed.

Driver and Asterisk Installation

At this point you will need to download the Zaptel driver library and Asterisk. To accomplish this, follow the steps on the other side of this card.

Once you have completed the software installation, all that remains is the configuration of the Zaptel driver and Asterisk. Please refer to the 800 Series user manual available at digium.com for information specific to your card.



Asterisk® / Zaptel / Libpri QuickStart Installation

Software Installation

Digium® hardware requires drivers and libraries that are not integrated with the Linux kernel. Digium hardware is only supported under Linux. Digium, Inc. recommends Debian/Ubuntu, Fedora, and Red Hat. You can obtain the source code from <http://downloads.digium.com>.

For an introduction to Asterisk®, its configuration and features, and setting up and using Zaptel channels, refer to asterisk.org.

To install your Digium® card, you will need:

- * Full Linux kernel 2.6 (or later) source code.
- * Development libraries and headers for libncurses (Asterisk 1.2 or Asterisk/Zaptel 1.4).
- * Development libraries and headers for zlib and openssl.
- * GCC and standard build tools.
- * Development libraries and headers for libnewt (only necessary for Zaptel).

If you are using the 1.2.x series of Asterisk and Zaptel, you will need Asterisk 1.2.26 or newer, and Zaptel 1.2.23 or newer. If you are using the 1.4.x series of Asterisk and Zaptel, you will need Asterisk 1.4.17 or newer and Zaptel 1.4.8 or newer.

It is recommended that you use the most recent version of the Asterisk and Zaptel distributions for the best results. If you already have both Asterisk and Zaptel installed, you will need to upgrade to the latest version of both.

Installation Steps

1) If you are installing a digital card, download and install the latest version of libpri that matches the branch of Zaptel and Asterisk which you are using. If you are using the 1.2.x branch, then download the 1.2.x branch of libpri. Likewise if you are using the 1.4.x branch, then obtain that version of libpri. Libpri is available from <http://downloads.digium.com/pub/telephony/libpri>.

2) Expand the downloaded tarball. Substitute the version of libpri you are using for the X.X in the command lines below.

```
# tar -zxvf libpri-1.X.X.tar.gz
# cd libpri-1.X.X/
# make
# make install
```

3) Download the latest Zaptel drivers (1.2.23 or later) to your /usr/src directory. The Zaptel drivers are accessible via http from <http://downloads.digium.com/pub/telephony/zaptel/>.

4) Expand the downloaded tarball and install the drivers. Substitute the version of Zaptel you are using for the X.X in the command lines below.

```
#tar -zxvf zaptel-1.X.X.tar.gz
#cd zaptel-1.X.X
#make clean
#./configure (applies to 1.4.X only)
#make menuselect (applies to 1.4.X only if you wish to customize the install)
#make
#make install
```

5) Download the latest released version of Asterisk, either 1.2.26 (or later) or 1.4.17 (or later). Asterisk can be downloaded from <http://downloads.digium.com/pub/telephony/asterisk>.

6) Expand the downloaded tarballs. Substitute the version of Asterisk you are using with the X.X in the command lines below.

```
# tar -zxvf asterisk-1.X.X.tar.gz
# cd asterisk-1.X.X/
# make clean
# ./configure (applies to 1.4.X only)
# make menuselect (applies to 1.4.X only if you wish to customize the install)
# make
# make install
```

If you don't already have configuration files installed, you can type "make samples" to install the default sample configuration files. This will override your sample files.

Your installation of Zaptel and Asterisk should now be complete.

If the build fails, it may be because you are missing one of the build dependencies, the kernel source, or development tools. Feel free to contact your reseller where the card was purchased, or e-mail Digium Technical Support via support@digium.com for assistance.

Additional instructions for installing Asterisk are available at www.asterisk.org.

INSTALL NOW!


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www.digium.com
www.asterisk.org