Installing Mesa 1.5B

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1. Installation

If Mesa 1.5B has already been installed, go directly to “Licensing” on page 2.

To install Mesa from floppy disks:

1. Insert the first floppy disk into the disk drive. If your version of NEXTSTEP does not check for disks automatically, choose **Disk -> Check For Disks** from the Workspace menu.

   A floppy-disk icon will appear in your workspace manager.
2. Click the floppy-disk icon to display the disk’s contents.
3. Double-click the *Mesa.pkg* icon to launch the NEXTSTEP Installer.

The Installer will ask you where you want to install Mesa. Mesa *must* be in some directory that the Workspace Manager looks for applications in — for example, your *Apps* directory — or you will not be able to open Mesa worksheets.

If a version of Mesa has already been installed, the Installer will inform you of this and ask if you wish to continue. To replace the existing version (for example, when upgrading to Mesa 1.5B), click *Yes*.

The Installer will prompt you for the remaining disks, one at a time. When installation is complete, eject the last disk and quit the Installer.

The directory you installed Mesa in should now contain:

- *Mesa.app* — the Mesa program itself. Double-click the Mesa icon to start using Mesa.
- *MesaFloatingLicense* — this folder contains the Floating License Manager and related files (see “Floating license” on page 2).
- *MesaProgramming* — this folder contains files related to building Mesa AddIns and custom apps, including examples
- *MesaSampler* — this folder which contains example worksheets
- *DemoSetup.app* — this application runs a hands-on demonstration of Mesa’s functionality. Double-click the DemoSetup icon to start the demo.

When you upgrade to Mesa 1.5B, you can continue to use your existing licenses and files. Simply install the new version of Mesa over the old version.

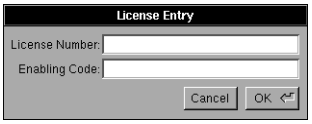
2. Licensing

If your copy of Mesa is not licensed, it operates in *demo mode*. This gives you access to almost all Mesa features; however, the maximum worksheet size in demo mode is 20 rows by 20 columns.

To enable Mesa's full features, you must license your copy. The unique license number and enabling code for your copy of Mesa can be found on the *Confidential Information* page in the sealed envelope that came with your box of Mesa. ***It is important that you keep the page labelled Confidential Information for your records.*** If it is lost, we may not be able to help you.

Single user license

When you launch Mesa, you will be given a choice between entering a license or running in demo mode. Click *Enter License*. Mesa will display a dialog box into which you can enter your license number and enabling code.



Enter upper and lower case letters, numbers, and periods (.) *exactly* as they appear on the license. Take special care to distinguish between O (the letter oh) and 0 (the number zero). If you made a mistake entering the licensing information, Mesa will beep and present the License Entry dialog again.

Note: If you have e-mail, Mesa will offer to notify Athena Design that your copy has been licensed, so we can keep you informed of upgrades and improvements. If you do not want notification to be sent, click *No*.

Once you have entered a single-user license, Mesa will run normally when launched from that account. You will need to log in to the same account in order to use Mesa.

Multiple-user licenses

Rather than licensing your copy or copies of Mesa to single accounts, you can use Mesa's Floating License Manager (FLM) to manage multiple licenses on the network. The FLM controls the number of users of Mesa on the local network at one time; however, as long as there is a free license available, it can be run from any account on the network. The FLM is included with Mesa, can run on any NEXTSTEP machine, and *must* be run on the same network as the copies of Mesa you wish to manage.

To use the FLM to manage your licenses:

1. Create a text file that contains the license number, number of users, and enabling code for each license that you want the FLM to manage, in the following format:

   `<license> <tab> <#-of-users> <Tab> <enabling-code>`

Note: If you are including single-user licenses in your license information file, the number of users should be listed as -1, not 1.

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2. Save the file as `/etc/Mesa.flm`.
3. Open a Terminal window (just double-click the Terminal.app icon).
4. Change directory to the *MesaFloatingLicense* directory. If a *MesaFloatingLicense* directory does not exist on your system, Mesa has not been installed properly; go back to "Installation" on page 1 and follow the instructions there.
5. Enter the command `flm`.

After a few seconds, the prompt will return. If there are any errors in the license numbers or enabling codes, or if there is already a copy of the FLM running, it will return an error message; otherwise, it is running properly. To function properly, the FLM must be running on a single machine, on the same network as the copies of Mesa you want to use.

You can include as many lines in the `Mesa.flm` file as there are individual licenses. As you purchase new licenses, simply add new lines to the file. Licenses can be purchased individually, or in groups of multiples of five (5).

Running the FLM automatically

To set the FLM to run automatically, add to your `/etc/rc.local` file the following line:

<pathname>`/MesaFloatingLicense/flm > /dev/console 2>&1`

...where *<pathname>* is the full path of the *MesaFloatingLicense* directory.

Changing the license-information file name

Although the FLM looks for a file called `/etc/Mesa.flm` by default, you can save the license information in any file. You can use the `-f` option of flm to specify the alternative filename:

```
flm -f <filename>.flm
```

For security reasons, you should remove read and write privileges on the file that contains this license information for all but the super-user.

Running the FLM across bridges or routers

To run the FLM across bridges or routers, you must modify the NetInfo database.

- Launch `/NextAdmin/NetInfoManager.app`.

- Choose **Domain-> Open** and choose "/" as the Domain.
- If the directory `locations` does not exist, create it now by choosing **Domain -> New Subdirectory**. Double-click *newValue*. In the box that appears, click *newValue*, change the name to `locations`, save the changes (**`Command-s`**) and close the window.

  Click `locations` and follow the directions above to create a new subdirectory called `Mesa`.

  Click `Mesa` and create a subdirectory called `flm`.
- Double-click on `flm` and choose **Directory -> Insert Property**. Change the name of the property to **`server`** and choose **Directory -> New Value**. Type in the name of the machine on which the floating license manager is running and save your changes.

Note: If you can't make the required changes to the database, include the name of the machine running the FLM in a file called `flm.location`, use ***`Command-Shift-O`*** from the Workspace Manager to open the `Mesa.app` folder, and place the flm.location file inside the Mesa.app folder.

An example

To allow up to 7 users on your network to use Mesa simultaneously:

1. Order one five-user license and two single-user licenses.
2. Enter the license numbers, number of users, and enabling codes into a file called Mesa.flm, as follows:

   ```
   foo1 <Tab> 5 <Tab> gHiuweiouoiq
   bar1 <Tab> -1 <Tab> jdskfsdjfdso
   bar2 <Tab> -1 <Tab> sskfjsmcjsdd
   ```
3. Launch the FLM, as described above.

Mesa will now launch in full-feature mode.

3. Getting more information

Athena Design maintains an electronic mailing list to inform Mesa users of upgrades for Mesa and other Athena Design products. To find out about our latest products and upgrades, please send mail to `mesa-request@athena.com` and we'll add you to our list.

Requests for technical support, including problems with installation, can be e-mailed to `feedback@athena.com`. Please include your license number with the request (the **Info -> Feedback** command in Mesa does this automatically; please use it).

Please remember to register your license (the Registration Form is included with your license information). You must register your copy of Mesa to be eligible for technical support and upgrades.