NAME

xman – manual page display program for the X Window System

SYNOPSIS

xman [–*options* . . .]

DESCRIPTION

xman is a manual page browser. The default size of the initial **xman** window is small so that you can leave it running throughout your entire login session. In the initial window there are three options: *Help* will pop up a window with on-line help, *Quit* will exit, and *Manual Page* will pop up a window with a manual page browser in it. Typing Control-S will pop up a window prompting for a specific manual page to display. You may display more than one manual page browser window at a time from a single execution of **xman**.

For further information on using **xman**, please read the on-line help information. Most of this manual will discuss customization of **xman**.

OPTIONS

Xman supports all standard Toolkit command line arguments (see **X11**(7)). The following additional arguments are supported.

–**helpfile** *filename*
Specifies a helpfile to use other than the default.

–**bothshown**
Allows both the manual page and manual directory to be on the screen at the same time.

–**notopbox**
Starts without the Top Menu with the three buttons in it.

–**geometry** *WxH+X+Y*
Sets the size and location of the Top Menu with the three buttons in it.

–**pagesize** *WxH+X+Y*
Sets the size and location of all the Manual Pages.

CUSTOMIZING XMAN

Xman allows customization of both the directories to be searched for manual pages, and the name that each directory will map to in the *Sections* menu. **Xman** determines which directories it will search by reading the *MANPATH* environment variable. If no *MANPATH* is found then the directory is /usr/man is searched on POSIX systems. This environment is expected to be a colon-separated list of directories for **xman** to search.

setenv MANPATH /mit/kit/man:/usr/man

By default, **xman** will search each of the following directories (in each of the directories specified in the users MANPATH) for manual pages. If manual pages exist in that directory then they are added to list of manual pages for the corresponding menu item. A menu item is only displayed for those sections that actually contain manual pages.

Directory	Section Name
---------	------------
man1	(1) User Commands
man2	(2) System Calls

man3	(3) Subroutines
man4	(4) Devices
man5	(5) File Formats
man6	(6) Games
man7	(7) Miscellaneous
man8	(8) Sys. Administration
manl	(l) Local
mann	(n) New
mano	(o) Old

For instance, a user has three directories in her manual path and each contain a directory called *man3*. All these manual pages will appear alphabetically sorted when the user selects the menu item called *(3) Subroutines*. If there is no directory called *mano* in any of the directories in her MANPATH, or there are no manual pages in any of the directories called *mano* then no menu item will be displayed for the section called *(o) Old*.

THE MANDESC FILE

By using the *mandesc* file a user or system manager is able to more closely control which manual pages will appear in each of the sections represented by menu items in the *Sections* menu. This functionality is only available on a section by section basis, and individual manual pages may not be handled in this manner. (Although generous use of symbolic links — see **ln**(1) — will allow almost any configuration you can imagine.)

The format of the mandesc file is a character followed by a label. The character determines which of the sections will be added under this label. For instance suppose that you would like to create an extra menu item that contains all programmer subroutines. This label should contain all manual pages in both sections two and three. The *mandesc* file would look like this:

```
2Programmer Subroutines
3Programmer Subroutines
```

This will add a menu item to the *Sections* menu that would bring up a listing of all manual pages in sections two and three of the Programmers Manual. Since the label names are *exactly* the same they will be added to the same section. Note, however, that the original sections still exist.

If you want to completely ignore the default sections in a manual directory then add the line:

```
no default sections
```

anywhere in your mandesc file. This keeps **xman** from searching the default manual sections *In that directory only*. As an example, suppose you want to do the same thing as above, but you don't think that it is useful to have the *System Calls* or *Subroutines* sections any longer. You would need to duplicate the default entries, as well as adding your new one.

no default sections
1(1) User Commands
2Programmer Subroutines
3Programmer Subroutines
4(4) Devices
5(5) File Formats
6(6) Games
7(7) Miscellaneous
8(8) Sys. Administration
l(l) Local
n(n) New
o(o) Old

Xman will read any section that is of the from *man<character>*, where **<**character**>** is an upper or lower case letter (they are treated distinctly) or a numeral (0-9). Be warned, however, that **man**(1) and **catman**(1M) will not search directories that are non-standard.

WIDGETS

In order to specify resources, it is useful to know the hierarchy of the widgets which compose **xman**. In the notation below, indentation indicates hierarchical structure. The widget class name is given first, followed by the widget instance name.

```
Xman xman       (This widget is never used)
        TopLevelShell  topbox
                Form  form
                        Label  topLabel
                        Command  helpButton
                        Command  quitButton
                        Command  manpageButton
                TransientShell  search
                        DialogWidgetClass  dialog
                                Label  label
                                Text  value
                                Command  manualPage
                                Command  apropos
                                Command  cancel
                TransientShell  pleaseStandBy
                        Label  label
        TopLevelShell  manualBrowser
                Paned  Manpage_Vpane
                        Paned  horizPane
                                MenuButton  options
                                MenuButton  sections
                                Label  manualBrowser
                        Viewport  directory
                                List  directory
```

```
                        List  directory
                        .
                        . (one for each section,
                        .  created on the fly)
                        .
                ScrollByLine  manualPage
        SimpleMenu  optionMenu
                SmeBSB  displayDirectory
                SmeBSB  displayManualPage
                SmeBSB  help
                SmeBSB  search
                SmeBSB  showBothScreens
                SmeBSB  removeThisManpage
                SmeBSB  openNewManpage
                SmeBSB  showVersion
                SmeBSB  quit
        SimpleMenu  sectionMenu
                SmeBSB  <name of section>
                        .
                        . (one for each section)
                        .
        TransientShell  search
                DialogWidgetClass  dialog
                        Label  label
                        Text  value
                        Command  manualPage
                        Command  apropos
                        Command  cancel
        TransientShell  pleaseStandBy
                Label  label
        TransientShell  likeToSave
                Dialog  dialog
                        Label  label
                        Text  value
                        Command  yes
                        Command  no
TopLevelShell  help
        Paned  Manpage_Vpane
                Paned  horizPane
                        MenuButton  options
                        MenuButton  sections
                        Label  manualBrowser
                ScrollByLine  manualPage
        SimpleMenu  optionMenu
                SmeBSB  displayDirectory
```

SmeBSB displayManualPage
SmeBSB help
SmeBSB search
SmeBSB showBothScreens
SmeBSB removeThisManpage
SmeBSB openNewManpage
SmeBSB showVersion
SmeBSB quit

APPLICATION RESOURCES

xman has the following application-specific resources which allow customizations unique to **xman**.

manualFontNormal (Class **Font**)
The font to use for normal text in the manual pages.

manualFontBold (Class **Font**)
The font to use for bold text in the manual pages.

manualFontItalic (Class **Font**)
The font to use for italic text in the manual pages.

directoryFontNormal (Class **Font**)
The font to use for the directory text.

bothShown (Class **Boolean**)
Either 'true' or 'false,' specifies whether or not you want both the directory and the manual page shown at start up.

directoryHeight (Class **DirectoryHeight**)
The height in pixels of the directory, when the directory and the manual page are shown simultaneously.

topCursor (Class **Cursor**)
The cursor to use in the top box.

helpCursor (Class **Cursor**)
The cursor to use in the help window.

manpageCursor (Class **Cursor**)
The cursor to use in the manual page window.

searchEntryCursor (Class **Cursor**)
The cursor to use in the search entry text widget.

pointerColor (Class **Foreground**)
This is the color of all the cursors (pointers) specified above. The name was chosen to be compatible with xterm.

helpFile (Class **File**)
Use this rather than the system default helpfile.

topBox (Class **Boolean**)
Either 'true' or 'false,' determines whether the top box (containing the help, quit and manual page buttons) or a manual page is put on

the screen at start-up. The default is true.

verticalList (Class **Boolean**)
Either 'true' or 'false,' determines whether the directory listing is vertically or horizontally organized. The default is horizontal (false).

GLOBAL ACTIONS

Xman defines all user interaction through global actions. This allows the user to modify the translation table of any widget, and bind any event to the new user action. The list of actions supported by **xman** are:

GotoPage(*page***)** When used in a manual page display window this will allow the user to move between a directory and manual page display. The *page* argument can be either **Directory** or **ManualPage**.

Quit() This action may be used anywhere, and will exit **xman**.

Search(*type***,** *action***)** Only useful when used in a search popup, this action will cause the search widget to perform the named search type on the string in the search popup's value widget. This action will also pop down the search widget. The *type* argument can be either **Apropos**, **Manpage** or **Cancel**. If an *action* of **Open** is specified then **xman** will open a new manual page to display the results of the search, otherwise **xman** will attempt to display the results in the parent of the search popup.

PopupHelp() This action may be used anywhere, and will popup the help widget.

PopupSearch() This action may be used anywhere except in a help window. It will cause the search popup to become active and visible on the screen, allowing the user search for a manual page.

CreateNewManpage() This action may be used anywhere, and will create a new manual page display window.

RemoveThisManpage()
This action may be used in any manual page or help display window. When called it will remove the window, and clean up all resources associated with it.

SaveFormattedPage(*action***)**
This action can only be used in the **likeToSave** popup widget, and tells **xma**n whether to **Save** or **Cancel** a save of the manual page that has just been formatted.

ShowVersion() This action may be called from any manual page or help display window, and will cause the informational display line to show the current version of **xman**.

FILES

<*manpath directory*> /man**<***character***>**

<*manpath directory*> /cat**<***character***>**

<*manpath directory*> /mandesc

/usr/openwin/lib/app-defaults/Xman	specifies required resources
/tmp	*Xman* creates temporary files in /tmp for all unformatted man pages and all apropos searches.

SEE ALSO

X11(7) **man**(1), **apropos**(1), **catman**(1M), *Athena Widget Set*

ENVIRONMENT

DISPLAY	the default host and display to use.
MANPATH	the search path for manual pages. Directories are separated by colons (e.g. /usr/man:/mit/kit/man:/foo/bar/man).
XENVIRONMENT	to get the name of a resource file that overrides the global resources stored in the RESOURCE_MANAGER property.
XAPPLRESDIR	A string that will have ''Xman'' appended to it. This string will be the full path name of a user app-defaults file to be merged into the resource database after the system app-defaults file, and before the resources that are attached to the display.

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