

07d79350-0

Dan Murrell Jr.

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COLLABORATORS

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Chapter 1

07d79350-0

1.1 DaFTP Client User Manual

DaFTP Da Non-MUI FTP Client for AmiTCP and AS225
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1.2 Introduction

Introduction to DaFTP

DaFTP provides a graphical environment for transferring files via the Internet. DaFTP is currently in beta form, so there is much work to be done, but it already provides the basic functionality of the standard command line ftp clients, as well as some extra features.

DaFTP supports AmiTCP and AS225r2 as it's method of communication, but this should also include the various hacks available that simulate

a SLIP link, including MLink and TIA. AmiTCP V2.3 is currently available on the various AmiNet sites, including ftp.wustl.edu and ftp.cdrom.com. AmiTCP V3.0 beta version 2 was formerly available, but may still be found somewhere on the Internet, protected from the purging of 3.0b2 with the release of the commercial V4.0. DaFTP has NOT been tested on version 4.0 by the author, but one tester with the 4.0 demo has reported no problems as of yet.

AS225 is an unreleased C= product, as well as available from vendors in updated forms.

System Requirements

- AmigaOS Release 2.1 (V38) or newer.
- Minimum 512k RAM, more recommended.
- Hard drive recommended.
- AmiTCP V2.3+ or AS225.
- A direct TCP connection to the Internet or simulated connection via MLink or TIA.

Program Features

- ARexx interface for scripted FTP sessions.
- Listview for browsing remote sites, that tries to resemble the familiar ASL file requester.
- ASL file requester used for local file browsing.
- Window size and location saved in the basic prefs file.
- Current site information saved in the basic prefs file.
- Log Window that displays all text sent from the remote server, as well as various status messages from DaFTP.
- Configurable Site Hotlists for quick connection to your favorite sites, saved in it's own prefs file.
- Batch Transfer mode available for sending/receiving multiple files.
- Multiple files are not required to be in the current directory.
- Windows available for showing batch files.
- Fuelgauge gadget showing transfer progress, as well as other information such as bytes received/total filesize and characters per second.
- Configurable ProcessFile ARexx script for processing files after transferring them, which allows for viewing iff's, jpegs, sound files, archives, etc., and unpacking some archive types.
- Menu option to turn on/off the MultiProcess option.
- Menu option to strip the .Z from a filename before downloading, for servers that have all their files compressed.
- Menu item to show total bytes transferred so far, in the log window.
- Reconnect to last server, and cd back into the same directory, in case of a server disconnection.
- Send raw commands directly to the FTP server (for creating/deleting dirs extra information, etc.)
- Directory caching, hotlist of cached directories
- Multiselecting listview
- more...

1.3 Legal Information

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1.4 Installation

Installation

Installation of the DaFTP package is simple, using the Commodore Amiga standard Installer package.

1.5 Starting

Starting to use DaFTP

DaFTP has several tooltypes which may be used. The tooltypes will override any settings you may have in your configuration file.

DaFTP expects to find two configuration files in its directory. The first time the program is run, you will be greeted with two requesters indicating that those configuration files were not found. This is normal behavior. After the main window appears, you may configure DaFTP to your tastes, and then you'll not see the requesters on subsequent runs.

To quick connect to a site, select the Open Connection menu option, or Right-Amiga O. A small window will appear, allowing you to enter a hostname, an optional port to use (21 is the default port of FTP), login id and password, or anonymous login, and the directory to automatically move to once connection is established. Pressing the Connect button initiates the connection process. Cancel will close the window. The other windows are active up until the connection process begins, so you may change settings as you please, open other windows, such as the log window, etc.

Once connection is over, you will be presented with a list of files in the remote directory, and be able to grab them by double clicking.

See the Tutorial chapter for more information on the usage of DaFTP.

1.6 Configuration

Configuration of DaFTP

DaFTP currently saves two preferences files in PROGDIR:. One is a basic preferences file, storing information like window placement and size, the other stores the hotlist site information for each entry.

The first time you run DaFTP, you will see several requesters stating that it couldn't find it's two config files. This is perfectly normal. Once you set the placement of the window(s) that you want to appear on startup, you may use the Save Settings menu item to store that configuration. Other information stored in these files include:

DaFTP.prefs

- all windows X/Y placement
- all windows X/Y size
- open status of the sub windows
- status of the current settings for the menu items:
 - Pipe to MultiProcess
 - Truncate .Z
 - Batch Transfer mode
 - Do NOT Log
 - Short List
- the current host, port, username, password, and anonymous settings in the Open Connection... window
- Local dir
- Last dir (used for Reconnect...)

DaFTPHotlist.prefs

- Site name (your nick for this particular site)
- Site Internet address and port
- Username/Password (or anonymous)
- Remote and Local directories to use
- status of the current menu settings (same as in DaFTP.prefs), which are recorded at the time the Hotlist entry is "used"

1.7 Main Window

Main Window

DaFTP~AS225~v.rrrr~Port:~XXXXX	TitleBar

_____	Logo
Logo Credits	
_____ _____	Credits
Local Drawer [] [_____]	Local Drawer

[_____] _____	Hostname

_____	Connect

_____	ASCII/BIN

```

| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | | Put
| | | | | | | | | |
| | | | | | | | | | Get
| Remote Drawer [ | | | | Remote Drawer
|
| ~Parent~ ~Home~Rescan~ | Parent Home Rescan
|
| [ | | | | Messages
|
| | | | |
| | | | |

```

1.8 SubWindows

Sub Windows

Sub windows in DaFTP currently consist of:

- FTP Log window

Shows output from the server and various other useful information. May be suppressed, using the 'Do NOT Log' menu item under the FTP Log menu title.
- Open Connection window

Revealed from the 'Open Connection...' menu item under the Project menu title. Will also appear as a connection is attempted from the Site Hotlist window, with the string gadgets filled with the used settings. Options in the connection window to be set are:

 - Username
 - Password
 - Anonymous (checkbox, when set, will disable the Username and Password)

There is a Connect and Cancel button as well. All strings are in the tab-cycle, and all strings/buttons are accessible via keyboard keys.
- Site Hotlist window

You may store a list of your favorite sites in this window. When you configure your site entry, you will be asked for a name for the site. A list of these names appear in the hotlist window. Buttons in the window allow include:

 - New Start a new entry
 - Edit Edit the currently selected entry
 - Remove Remove the currently selected entry from the list
 - Up Move the currently selected entry up in the list
 - Down Move the currently selected entry down in the list
 - Save Save your list of entries in the default prefs file
 - Add Cur Add the current settings as an entry, with the name 'Current Site' ↔

An existing entry named 'Current Site' will be replaced, so be sure to give it an appropriate name after creating it
- Site Configuration window

When New or Edit is selected in the Site Hotlist window, you will

be presented with this window where you set the various attributes of the site.

- Site Name Should be a unique nickname for this site, as it will use this for the Hotlist entry.
 - Site Address The internet address for this entry
 - Port Port number to be used
 - Username Login ID to use (if applicable)
 - Password Password to use (if applicable)
 - Anonymous Will disable Username/Password if selected
 - Remote Home Try to enter this directory on connection
 - Local Home Default download directory for this entry
-
- Local/Remote Marked Files window
When using batch transfer mode, any selected files for both upload and download will be stored in these windows. Full path information is also stored. This means that, unlike using multiselecting, you may batch send/get files from multiple directories. There are two menu items available to initiate the batch send or get. Double clicking an entry will remove it from the batch list.

1.9 ARexx Commands

ARexx Command Set

Interface Commands:

```
~GETATTR~  
~SETATTR~  
~QUIT~  
~SITE~  
~REVEAL~  
~ACTIVATE~  
~DEACTIVATE~
```

FTP Commands:

```
~CONNECT~  
~DISCONNECT~  
~CD~  
~LCD~  
~LIST~  
~DIR~  
~GET~  
~MGET~  
~PUT~  
~MPUT~  
~FTPCOMMAND~
```

The ARexx port specifications were drafted by Osma Ahvenlampi

1.10 Program Menus

Program Menus

Project	Actions	Transfers	Settings
-----	-----	-----	-----
Open Connection	Show Cache Dirs	Put	Process Files
Close	Select All	Get	Truncate .Z/.gz
Reopen	Unselect All	Batch Put	Batch Transfers
---	Delete	Batch Get	Do Not Log
Transfer Totals	---		Keep Trying
---	---		Short List
---	Clear Batch List		---
ARexx	Local		Load Other Hotlist
---	Remote		Save Other Hotlist
Reveal	---		---
Sites	FTP Log		Load Settings
Log	Clear		Save Settings
Local	Save		
Remote	---		
---	Raw Command		
About			

Iconify			

Quit			

Note: some menu items have been abbreviated.

1.11 Tutorial

1.12 Revision History

Revision History

- 0.1127 Minor bugfixes, to hopefully correct a guru on OS 2.x when drawing to the main files listview. Please let me know if you have OS 2.x and still have this problem.
- 0.1125/6 Fixed the port # option. It wasn't accepting numerical port numbers ←
- .
- It wasn't closing sockets if a connection was refused. Added an EMAILADDRESS tooltype that allows you to use a specific string as your anonymous password. Added a MakeVisible tag to the listview gadget, so that it more fully emulates a normal GadTools listview. (It will scroll the gadget if necessary to show a certain node, so using the up/down cursor keys can work better.)
- Fixed something that had lingered forever, where editing a hotsite and changing it's site name essentially just created a new entry. Now, you can edit the sitename, and it just bumps the edited entry to the bottom of the list. Added a new Add Current site button to the hotlist window. It creates a site entry named 'Current Site' ←
- with

all the current settings you have.

- 0.1124 Spent 3 weeks developing a new BOOPSI gadget for the main listview. You may see problems with this, as I'm still working on it, looking for bugs. I'm unsure as to whether it works for 2.x at all. Please give me feedback on this, especially if you're using 2.x. Fixed some bugs with multiselecting and batch xfers.
- 0.1123 Mostly changes due to enhancements of the BOOPSI view gadget.
- 0.1121 Uses a unique temporary file to store the directory listing. Eventually, it won't use a tmp file at all.
- 0.1120 Changed the default listflags setting to "-al".
- 0.1119 Removed the About window animation from the code, and now loads it as a datatype. Sorry, 2.x users, you'll only see a normal requester from now on. Added a Short List option, which allows you to request directory information from the server in the NLST format (only file and dir names are offered.) DaFTP will treat everything as a link, which means that it will take only one click for files as well as dirs. Server lists that don't appear to fit within the supported template, will not be added to the file list, and a note will be printed advising you to use short list mode. While it's not particularly nice, it does allow you to use DaFTP on lame VMS type systems.
- 0.1118 Bugfixes with the listview gadget. Thanks to Tim Aston for his quick responses and work. Expect it to also have a horizontal scroller soon.
- 0.1115 Using a BOOPSI listview now-- the gadget is beta, so be prepared to notice some oddities. *Any* strangeness you see in the listview needs to be reported, so that I can get back to the author. It's untested on a 2.x machine, but it should work ok -- let me know otherwise. It has multiselect and drag-select built into it, so that should now be available to 2.x users.
- 0.1114 Changed the format of the DaFTP.prefs settings file to an ASCII format. Until 0.1130 or so, it will still load the old prefs format, so you won't lose your old settings. However, BE SURE TO RESAVE YOUR PREFS! I'm removing the old prefs code at 0.1130!
- ** 0.1115/4 are still too beta for general release at this time.
- 0.1113 I was wrong. ASCII wasn't working properly still, but should be fine now.
- 0.1112 Get and Send buttons are now made from my animated button. Because of a bug with GadLayout, I was unable to alter the images on the fly. I can do that with my gadget, and it allows me to show batch status on these gadgets. Should now ask for the default tool icon, in case it's unable for some reason to get it's own. This should fix everyone's problem understanding that DaFTP *NEEDS* to
-

find an icon so it can iconify. Standard behavior is to ask for the icon associated with the program name, be it DaFTP.info, DaFTP_AS225.info, or whatever. If you have a preference as to what icon to use, use the ICONNAME tooltype.

During multiple transfers, won't close then reopen the progress window. It'll resize the progress window according to the filesize, and then go ahead.

Launches ARexx scripts properly. Launched scripts will have address() correctly set to the ARexx port of the current DaFTP session.

ASCII uploads/downloads appear to be fixed. Holler really loud if they don't work for you.

- 0.1110 Fixed some window resizing problems, tweaked gadget layout here and there to make them "fit" the window better. NOTE: Change made in how it gets the local host name, if you're using AmiTCP be sure to use the AmiTCP version. Using the AS225 version with the socket.library may cause a problem for you on servers which require a correct localhost name.
- 0.1109 Created a new window for the fuelgauge, and moved it off of the main window. Fixed some long standing problems that were uncovered by this move. Iconifying now works during transfers, as well as uniconifying. To iconify during a transfer, close the main window. You can now multiselect files in the ASL requester to put files. Cut 4k or so out by removing redundant code. :)
- 0.1105 Tried to ensure that Abort worked correctly. Added a forced abort function. If you keep pressing abort, eventually it will kill the entire connection. (Watch the message bar for details.)
- 0.1104 Many bugfixes, and added proper iconification.
- 0.1097 Some bugfixes here and there, found while playing with ARexx. Work on the Aminet browsing script by Osma and me.
- 0.1095 Some small bug fixes, ARexx port finished (except for iconification.)
- 0.1094 More work on the ARexx port-- almost done. Some internal fixes, work on multiselect (deselect is still a little iffy.) Can type the service name in the port string now, and it will be resolved (suggestion by Michael B. Smith.) Example, type "ftp" in the port string gadget, and it will be resolved to 21.
- 0.1093 Removed bevel boxes around the file list and icons. Links do not show the link name (to keep everything columnar). Entering a directory used to not always reset the current entry to none-- fixed.
- 0.1092 No bugs reported (yet) on the dir caching stuff, so unless some come in, I suppose it's stable. Some cosmetic suggestions were
-

added, some minor internal adjustments, NOANIMABORT tooltype added because on slower systems, the CPU usage of animating the abort gadget may be noticeable. BEEP tooltype added, to make DaFTP beep the screen (using system preferences) to notify after certain functions are completed. Added the animated About window. This looks kinda neat, but adds about 50k to the program size. May not survive the final compile one day in the future because of this. It looks like it's using a ton of CPU (it will if you let it :) but it's a separate task (a feature of the animated gadget I made) running at a -1 priority. Please give (+/-) feedback on this.

- 0.1091 Lots of features (and bugs) added w/o maintaining the revision history. The bugs were eventually nailed, but were pretty nasty in the meantime. New features: more style-guide-compatible ARexx port, send raw FTP commands to the server, directory caching, directory "hotlist" (show all the cached dirs in the listview) minor bug fixes here and there, probably more than I've forgotten.
- 0.1084 Multi-Select! And a few more little things here and there. Multiselect only works on V39+, because it works through a listview callback hook. This may change in the future. Thanks to Michael B. Smith for helping me make it detect when the shift key was released.
- 0.1082 Fixed a bug in how DaFTP obtained error messages, which occasionally caused an enforcer hit. Thanks to Tau for helping track it.
- 0.1081 Hopefully fixed a bug using the Remote Drawer string gadget which sometimes wouldn't change directory, even if you typed a valid dir. Accidentally double-clicking on a dir (dirs only need one click) no longer causes a click in the new listing. Added simple column support in the remote files listview via the callback hook. Longer entries will now expand when they become highlighted in the files list. Tried to address problems arising from filenames that contain spaces. Not entirely fixed, but more reliable than before. New tooltype, DIRCLICK. Unbeknownst to me, not everyone uses ASL. :) So, they may be uncomfortable changing directories on one click. DIRCLICK=2 will solve that.
- 0.1080 Transfer speed slightly increased, due to optimizations in the loops, and more accurate timing calculations. (I hadn't taken into account the microseconds until now.) Special thanks to Tau for help with the optimizations, and timing code.
- 0.1079 If the initial CWD and PWD failed, it was perceived as a disconnection by the server, even if the connection is still valid. This is fixed. A Listview render hook was added to show directories using SHINEPEN, to give a more ASL-like appearance.
-

- 0.1078 Uses busy pointer prefs, if your OS revision supports it.
- 0.1077 Animated abort gadget added. Made a boopsi gadget that shows animations, can act like a button, play a steady frame rate, etc.
- 0.1073 The main window is disabled during all actions, instead of just showing a busy pointer. Delete ARexx macro to delete a remote file that is currently selected. Clicking on a directory name immediately cd's to that dir. No confirmation requester for quit, unless a connection is present. Some nice new icons, done by Seth "Boodah" Harman.
- 0.1072 Added Up and Down sorting to the hotlist window. Added recognition of cursor UP and DOWN, to select through the remote files and hotlist list entries.
- 0.1071 Minor changes here and there. The Connect image button now opens the hotlist window instead of the login window. Included an ARexx script that gets all files in the current directory.
- 0.1070 Added Execute ARexx Macro... menu item.
- 0.1069 Many new ARexx commands added. A few cosmetic changes here and there.
- 0.1068 ARexx port added. So far, only has a QUIT command. Realized many changes will be necessary for the ARexx port to be useful. Like have it not necessarily have opened windows.
- 0.1067 Made some minor changes to make the processfile.rexx script more generic.
- 0.1065 Apparently found the bug keeping toggle gadgets from working after they had been toggled. Yay!
- 0.1062 First began keeping up with the revisions. Added some IDCMP message handling during transfers, for window resizing refreshing and closing. Process.DaFTP rewritten and modularized by Osma Ahvenlampi for clarity and ease of customization.

1.13 Known Bugs

Known Bugs

- You may see some occasional oddities with the files listview gadget. It's hard to say whether they're problems with the gadget, or my code.
 - Iconifying the windows during a transfer is achieved by closing the window (using the closewindow gadget.)
 - ARexx command LCD will go to the PROGDIR: if you try to LCD PARENT when you're already at a root.
-

- ASCII upload/download may not work properly. See note about this in Revision History.
- Multiselecting is still not entirely bug-free. Particularly, deselecting a multiselected item may not always deselect it properly. Releasing the shift key, shifting, and deselecting seems to work.
- The listview gadget will be improved in the future with a custom, columnar and multiselectable boopsi listview, with images and colors and stuff.
- Hidden directories will not be displayed in the remote directory string gadget. Directory names get parsed out of the server reply to a PWD command, and if the server can't show it, neither will DaFTP.
- File sizes come from the server's reply to the SIZE <file> command. Some files won't return a filesize, or at least a correct one. The gauge will show a 1 for the total filesize. Everything still works, the gauge will just appear full during the entire transfer.
- Some funky filenames with spaces and stuff will throw off the parsing. Right now, you won't be able to grab these files by clicking on them. If you know the name of the file, you may be able to grab it by using the Remote Drawer string gadget (which also doubles as getfile, if you type a filename in it.)
- For now, DaFTP assumes a Magic Workbench compliant palette, 8 colors. This will change in the future.

1.14 Planned Features

Planned Features

- Open to suggestion.

1.15 Registration

Registration

This is the freely distributable version of DaFTP. There are no restrictions to it's use, other than that specifically mentioned in the legal disclaimer. There will be future versions, which shall NOT be free. There may be free distributions made available in the future to fix bugs, but these releases will not contain all of the features possible with DaFTP. The free version will always be fully-functional (I hate crippleware too), but it will not be full-featured.

To receive future, full-blown versions of DaFTP, a registration fee is required. The registration fee is \$15 USD. Registration entitles you to a copy of the latest DaFTP with all the enhanced features. As

DaFTP is still a work in progress, do not expect your registered copy to arrive immediately. As soon as major revisions become available, registered users will have access to them. This may be by US Mail, or possibly by FTP. By registering early, you will be showing your support for continued development of DaFTP.

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1.16 D.

Contributions

DaFTP would not have been realized if not for these extremely generous folks:

- Seth A. Harman, "Boodah" The local iconmeister on IRC. He did a lot of work on buttons and the logo, as well as gave support and advice here and there. So far, hasn't asked for compensation. :)
- Osma Ahvenlampi, "Tau" Another iconmeister and networking guy. He worked on icons and animations and stuff as well, and he's also responsible for cleaning up my post-processing ARexx script so that it looks like someone who knew what they were doing was the author. Also drafted the ARexx port specifications.
- Scott Ellis, "ScottE" The fuelgauge is his, and prolly various other bits here and there in any program I do. He's always been very generous about giving away all his source, and I've learned most of my programming experience from looking at his stuff.
- Timothy Aston, "Timmer" The layout engine is all his, and it's a very nice job indeed. The Style Guide freak. Always there to tell me that I'm violating the AUISG. :-)
- Bill Coldwell, "Cryo" Gave me a free account to use, and something else that I'll remember eventually. Oh yeah, he taught me a bit about exec lists, and gave me some code to get an ARexx port working in a matter of minutes. Also provided me with some code on which the listview BOOPSI gadget
-

is based.

Chris Short, "Spamgod" Rendered the nice spinning floppy found in the "About" window. (I dithered and uglified it up.) Various other silliness. The anim is ©1994 Lizard Light Productions. Send email to: lizard-light@acca.nmsu.edu for contracting information.

Suggestions, hard times, miscellaneous help, etc. provided by:

Brian J. Cerveny, "Redwine"
 Ken Dyke, "Nyx"
 John Wiederhirn, "John_W"
 Ralph Schmidt, "Laire"
 Ralph Babel, "RBabel"
 ... and so many others

1.17 ToolTypes

Tooltypes

The template for DaFTP's tooltypes is:

REMOTEHOST=HOST,PORT/N,USERNAME=USER,PASSWORD=PASS,ANONYMOUS=ANON/S,
 REMOTEDIR,LOCALDIR,CONNECT/S,PUBSCREEN,DIRCLICK=DC, PROCESSCMD,
 NOANIMABORT/S,BEEP/S,ICONIFIED/S,PORTNAME,ICONNAME,LISTFLAGS,EMAILADDRESS:

REMOTEHOST	Override the remotehost name in the preferences file, which will be used as the default hostname in the Login window.
PORT	Override the default port number in the Login window.
USERNAME	Override the default username in the Login window.
PASSWORD	Override the default password in the Login window.
ANONYMOUS	Disable the default username and password in the Login window.
REMOTEDIR	Override the default remote home directory setting.
LOCALDIR	Override the default local home directory setting.
CONNECT	Use all the above settings (whichever ones were set, along with the preferences defaults), and attempt to establish a connection once the program starts.
PUBSCREEN	Give it a specific public screen name to use. The default is "Workbench"
DIRCLICK	Set this to 2 if you don't want to enter directories with only one click (as in ASL). Anything else will use the default behavior, which is one click.

PROCESSCMD	Specify the command to begin post-processing of the download files. DaFTP will append two string fields to this command. The first field will be for the filename, the second field will be for the public screen that DaFTP resides on. If you write your own post-processor, do note that the name and pub screen name will be enclosed in quotes. Default is: "rx rexx:processfile.rexx"
NOANIMABORT	Turns of the animated abort button during file transfers. The difference in CPU load is around 20-25%, at least in my testing. The button still works, but the image will remain as a static image.
BEEP	Beeps the screen after certain functions are completed. Functions that will beep are: successful connection, successful file get, successful file put. This is useful during extremely long transfers.
ICONIFIED	Open DaFTP as an iconified app.
PORTNAME	Change the base port name. Default is 'daftp'.
ICONNAME	Select the icon that you want to use for the iconified state. Default is "DaFTP.info". (Note: you should not include the .info, this will be appended for you.)
LISTFLAGS	If for some reason you need to use certain LS flags when getting a dir list, you may customize it with this. Do note, playing with the settings may make the dir list unrecognizable to DaFTP. Currently, it supports a standard UNIX ls line, with all the info. Example: "-al". The default is "-l".
EMAILADDRESS	If you want to use a custom string for your email address when using anonymous FTP, use this tootype. Put it in the "foo@bar.com" style. Note: Admins don't like junk like "f*ckyou@asshole.com", so please show respect. The default is to read your USERNAME environment variable, and attach that onto whatever your SLIP line happens to be.

1.18 GETATTR

GETATTR

format: GETATTR STEM [stem] [HOTLIST]

template: GETATTR STEM/A,HOTLIST/S

description: Requires a stem argument. Fills the stem with important attributes being currently used.

Stem fields are:

stem.version	version string
stem.revision	revision string

```

stem.screen      public screen name
stem.host        current remote host name
stem.port        current port
stem.remotedir   current remote directory
stem.localdir    local download directory
stem.username    username
stem.password    password
stem.anonymous   0|1 1-- anonymous login mode
stem.process     0|1 1-- post-processing enabled
stem.processcmd  post-processing command used
stem.batch       0|1 1-- batch mode on
stem.connected   0|1 1-- (still) connected
stem.beep        0|1 1-- beep mode enabled

```

Following fields set only if HOTLIST switch is used:

```

n = 0..stem.hotlist.count-1
  stem.hotlist.count      number of hotlist entries
  stem.hotlist.n.name     Name of n hotlist entry
  stem.hotlist.n.address  IP Address of n entry
  stem.hotlist.n.username Username of n entry
  stem.hotlist.n.password Password of n entry
  stem.hotlist.n.anonymous Anon setting of n entry
  stem.hotlist.n.remotedir Remote home directory of n
  stem.hotlist.n.localdir Local home directory of n

```

Note: to check connected status, DaFTP will send a NOOP command to the remote server. This is harmless, and insures that the connection has not timed out.

1.19 SETATTR

SETATTR

```

format:      SETATTR [VERSION|REVISION|SCREEN|HOST|PORT|REMOTEDIR|
                  LOCALDIR|USERNAME|PASSWORD|ANONYMOUS|PROCESS|
                  PROCESSCMD|BATCH|BEEP] value

template:    SETATTR VERSION/K, REVISION/K, SCREEN/K, HOST/K, PORT/K,
                  REMOTEDIR/K, LOCALDIR/K, USERNAME/K, PASSWORD/K,
                  ANONYMOUS/K, PROCESS/K, PROCESSCMD/K, BATCH/K, BEEP/K

description: Set the attribute to the specified value.

```

1.20 QUIT

QUIT

```

format:      QUIT

template:    QUIT

```

description: Quit DaFTP. If connected, you will be presented with a confirmation requester.

1.21 SITE

SITE

format: SITE name

template: SITE NAME/A/F

description: Choose named site from the hotlist, set all attributes. Use CONNECT to connect to the selected site. The comparison is a case-insensitive search of the hotlist names.

1.22 * ACTIVATE

1.23 * DEACTIVATE

1.24 CONNECT

This toggleable gadget, which appears as connected or disconnected cabling, has several uses:

- a) shows the current connected/disconnected status of DaFTP to a server
- b) when disconnected, will 'pop' the hotlist into view
- c) when connected, will close the current connection

1.25 CONNECT

CONNECT

format: CONNECT [NOSCAN]

template: CONNECT NOSCAN/S

description: Connect to the current host. Will scan the current directory and display it in the main listview (unless NOSCAN is specified.)

1.26 DISCONNECT

DISCONNECT

format: DISCONNECT

template: DISCONNECT
description: Disconnect from the current host.

1.27 CD

CD

format: CD [NOSCAN] [PARENT|UP|HOME|dir]
template: CD NOSCAN/S,UP=PARENT/S,HOME/S,DIR
description: Change remote directory. Will scan the new directory and display it in the main listview (unless NOSCAN is specified.)

1.28 LCD

LCD

format: LCD [PARENT|UP|dir]
template: LCD UP=PARENT/S,DIR
description: Change local directory.

1.29 LIST

LIST

format: LIST dir STEM stem [FILE file] [NONAME|NOSIZE|NODATE]
template: LIST DIR,STEM/K/A,FILE/K,NONAME/S,NOSIZE/S,NODATE/S
description: Scan remote directory and parse it to stem. Fields:
stem.count = number of entries
stem.n.name = name of nth file (n = 0..num-1)
stem.n.size = size, or "(dir)"
stem.n.date = date string "Jan 1 1993" or "May 6 03:00"
If file is specified, a raw, unparsed copy is placed there.

NONAME, NODATE, and NOSIZE are used to restrict setting the appropriate value in the stem (for speed concerns.)
The default action is to set everything.

1.30 DIR

DIR

format: DIR

template: DIR

description: Scans current directory and parses it to listview.

1.31 GET

GET

format: GET [ASCII|BIN] file [[LOCAL] localname]

template: GET ASCII/S,BIN/S,FILE/A,LOCAL

description: Download file. Change name local1 to localname, if specified.

1.32 MGET

MGET

format: MGET [ASCII|BIN] file [file [file [...]]]

template: MGET ASCII/S,BIN/S,FILE/M

description: Download multiple files. With no FILE arguments, it will get the contents (if any) of the Remote Batch list.

1.33 PUT

PUT

format: PUT [ASCII|BIN] file [[REMOTE] remotename]

template: PUT ASCII/S,BIN/S,FILE,REMOTE

description: Upload file. If no arguments, pop up a file requester. Change name remotely to remotename, if specified.

1.34 MPUT

MPUT

format: MPUT [ASCII|BIN] file [file [...]]]

template: MPUT ASCII/S,BIN/S,FILE/M

description: Upload multiple files. With no FILE arguments, it will put the contents of the Local Batch list.

1.35 REVEAL

REVEAL

format: REVEAL [LOG|GETLIST|PUTLIST|HOTLIST] value

template: REVEAL LOG/K,GETLIST/K,PUTLIST/K,HOTLIST/K

description: Opens or closes the specified window based on whether the value is 1 or 0, respectively.

1.36 FTPCOMMAND

FTPCOMMAND

format: FTPCOMMAND COMMAND command

template: FTPCOMMAND COMMAND/F

description: Sends a raw command string directly to the server. Useful for making or deleting directories and files.

1.37 DaFTP AS225 v.rrrr Port: XXXXX

DaFTP's main window title bar gives a little useful information to the user. The TCP stack used is displayed (AS225 or AmiTCP), the version and revision numbers, and the ARexx port name of the client are all visible.

1.38 LOGO

The logo is a gadget capable of being a button or not. Normally, it is simply for show. During transfers, it raises itself up, and becomes an Abort transfer button. It will also animate itself during transfers, unless the appropriate tooltype is blocking that behavior.

When attempting to abort a transfer in progress, you have the option to use a Forced Abort. This simply means, that by pressing the abort gadget three times, you force abort the transfer by completely dumping the connection. The messagebar will keep you informed of the situation, so watch it carefully. To resume the connection, use the Reconnect menu option, which will put you back in the same directory. This is a special feature for when you're visiting stubborn servers that are too slow to understand the abort command.

1.39 Local Drawer

These two gadgets may be used to select the local download directory. The string requester may be typed directly into, and the drawer gadget to it's left will open an ASL drawer requester.

Note that any valid directories entered via these gadgets will be automatically resolved and expanded to their full names. I.e. my FTP: directory will be resolved to Work:Term/FTP.

1.40 Hostname

This text field will display the current connected host name, or Not Connected.

1.41 Connect Toggle

This toggleable gadget, which appears as connected or disconnected cabling, has several uses:

- a) shows the current connected/disconnected status of DaFTP to a server
- b) when disconnected, will 'pop' the hotlist into view
- c) when connected, will close the current connection

1.42 Transfer Mode Toggle

This toggleable gadget, which appears as connected cabling with either binary numbers or ASCII characters floating in the background, is used to specify which mode of transfer to use. It will automatically toggle itself in some cases, such as downloading ASCII data automatically as the file listings.

1.43 Put a File

This gadget, which appears as an arrow pointing away from a floppy, will popup an ASL requester where you may select a file to PUT. When in batch transfer mode, it will initiate the batch put.

1.44 Get a File

This gadget, which appears as an arrow pointing towards a floppy, will initiate a GET on the file currently highlighted (or files, if multiselected.) When in batch transfer mode, it will initiate the batch get.

1.45 Remote Drawer

This gadget may be used to immediately jump to a directory that is unaccessible via clicking. It has a secondary function, which is that if you specify a file name, it will be taken (or added to the remote files batch list.)

1.46 Scan Parent

The parent button issues a CDUP command, to move to the parent directory as seen by the server. At this time, it does not honor links.

1.47 Scan Home

The home button will do an immediate jump to your home directory. This is typically the first directory you enter upon a connection.

1.48 Rescan Current Dir

The rescan button is useful to scan a directory in while bypassing the automatic directory cache feature. I.e. if you want a more current file list. This is done automatically after such functions as put or delete.

1.49 Status Bar

The message line is useful for various status information, such as notification that a transfer was or was not successful.
