

# **AmiFTP**

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<b>COLLABORATORS</b>
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	<i>TITLE :</i> AmiFTP		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
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<b>REVISION HISTORY</b>
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NUMBER	DATE	DESCRIPTION	NAME

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# Chapter 1

## AmiFTP

### 1.1 AmiFTP documentation

AmiFTP

Copyright © 1995-1996 Magnus Lilja. All Rights Reserved.

**I** Copyright and legal information.

**II** Where to send those bug reports etc.

**III** How to register

**IV** What is needed to use AmiFTP?

**V** Installation

**VI** Basic usage

**VII** Configuration

**IIIX** Menus

**IX** The ARexx interface

**A** Common questions

**B** Thanks to...

**C** Known bugs/problems

**D** Program history

### 1.2 Copyrights and other legal things

Copyright and distribution stuff

COPYRIGHT

Copyright © 1995-1996 Magnus Lilja. All Rights Reserved.

ClassAct is Copyright © 1995 Phantom Development.

Some of the files (in the Contrib and/or the Rexx directory) have other copyrights.

AmiFTP is Shareware, go to the **registration** section for more information.

DISTRIBUTION

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The main distribution channel for AmiFTP is Aminet (<http://www.aminet.org>). Permission to distribute AmiFTP on disk is granted provided no money except for the disk is charged. So called 'Commercial distributors of freely distributable software' are not allowed to distribute AmiFTP without the authors permission. Permission to distribute AmiFTP via bulletin board systems and computer networks is granted as long as no money is charged for accessing or downloading the archive.

Naturally, the Aminet organization has the permission to include AmiFTP on the Aminet-CD.

You may not add/delete files from the AmiFTP archive or create a new archive with only some of the files and redistribute it unless you have my permission to do so. This also applies to BBS's that automatically add those annoying '.display\_me' and 'camefrom.bbs' files, I do not want those added to the AmiFTP-archive.

If you want to include this program in any package, CD-ROM, coverdisk etc contact the **author** for permission.

Not all versions of AmiFTP will be uploaded to Aminet, minor updates will be available from

<ftp://eniac.campus.luth.se/pub/amiga/amiftp/> and

<http://www.lysator.liu.se/~lilja/AmiFTP.html>

If you want to get a notice via email when new versions are available, write an email to me ([lilja@lysator.liu.se](mailto:lilja@lysator.liu.se)) and I'll add you to the announce-list.

#### DISCLAIMER:

This software is provided as is. Use it at your own risk. No warranties are made in any way.

## 1.3 Addresses

Authors addresses

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SWEDEN

E-Mail:

[lilja@lysator.liu.se](mailto:lilja@lysator.liu.se)

One small note about writing mail: Please make sure that you have configured your email-software correctly so I can reply to your mail. I have received mail a couple of times which has bounced on me when I tried to reply.

New versions of AmiFTP will be available via ftp from

[eniac.campus.luth.se/pub/amiga/amiftp/](ftp://eniac.campus.luth.se/pub/amiga/amiftp/)

and via www from

<http://www.lysator.liu.se/~lilja/AmiFTP.html>

Some versions will be uploaded to Aminet.

## 1.4 Registering AmiFTP

Registering AmiFTP

AmiFTP is Shareware. At the moment AmiFTP is not crippled in any way, which also means that there's no extra functions that are available for users that register. But if you use AmiFTP and are happy with it (or even if you're unhappy with it ;) , please consider registering AmiFTP.

The registration fee is 15 USD, 10 UKP, 20 DEM or 100 SEK. See the registration form for more information on how to register.

Since there's no extra features available for registered user at the moment there's no need for a key-file, but if/when I add such features I will send out keyfiles.

If you have any questions about registering AmiFTP, don't hesitate to write an e-mail to me ([lilja@lysator.liu.se](mailto:lilja@lysator.liu.se)).

---

## 1.5 Requirements

### Requirements

In order to run AmiFTP you'll need AmigaOS 2.0 or higher, and one of the following TCP/IP-stacks:

- AmiTCP 3.0 or higher.
- AS225r2 or the new I-Net 225.
- CPR TCP/IP Base Kit.
- mlink.

AmiFTP first tries to open AmiTCP's bsdsocket.library and if that fails it opens socket.library.

In order to detect mlink, AmiFTP searches for the port called "MLINK".

The online help in AmiFTP requires amigaguide.library v36 or higher.

## 1.6 Installation of AmiFTP

### Installation

The easiest way to install AmiFTP is to use the supplied Installer-script. To run this, doubleclick on the Install\_AmiFTP icon.

If you don't want to run the installer, make sure that the ClassAct classes you have installed are atleast as new as the ones supplied in this archive. You have been warned.

Before you try to connect to a site, make sure that your anonymous password is set correctly, it's in the menu "Settings/Global".

## 1.7 Using AmiFTP

### Using AmiFTP

AmiFTP can be started either from the CLI or from Workbench.

**Arguments** Command line arguments and Tooltypes.

**Main window** Main window.

**Connect window** Connect window.

**Transfer window** Transfer window.

AmiFTP will save the config-file when exiting if you have altered the settings and forgotten to save it. If you alter the position/size of the window or the 'Log window?', 'Show dot-files?' menus, AmiFTP will not automatically save the new config.

## 1.8 Main window

### Main window

Most things in this window need no explanation, but a few notes:

You can multiselect by either drag the mouse pointer (while holding down the left mousebutton), or you can hold down shift and click on the files you want to download. Deselecting files one by one is currently not possible.

---

## 1.9 Transfer window

### Transfer window

Shows the name of the file being transferred at the moment, also shows total size, CPS and data transferred. AmiFTP will try to get the true size of a link and use that as the size instead of -1 that's shown in the filelist.

If the file you want to download is already present in the download-directory AmiFTP will ask you want to overwrite the file or cancel the transfer, if the to be downloaded is longer than the file present in the dl-dir you can also resume the transfer (ala Z-Modem resume).

## 1.10 Connect window

### Connect window

Shows the status of the connection, the order of the information is:

'Connecting...'

'Sending login...'

'Sending password...'

'Reading directory..'

Currently you can only Abort AmiFTP at the 'Connecting...' phase.

## 1.11 CLI arguments and Workbench ToolTypes

### Arguments

The following arguments are available as cli arguments and Workbench Tooltypes:

AS225 - Force AmiFTP to open socket.library instead of first trying to open AmiTCP's bsdsocket.library.

FILEFONT - The font used in the main listview. The syntax is 'FILEFONT <fontname>/<fontsize>' (ie 'FILEFONT foo.font/8')

FONT - The font to use in everywhere in AmiFTP (if you have FILEFONT too, FILEFONT will be used in the main listview). The syntax is the same as for FILEFONT. (note that this is ignored at the moment due to problems with ClassAct)

ICONIFIED - Start AmiFTP in iconified mode.

PORTNAME - The name of AmiFTP's ARexx port.

PUBSCREEN - Name of the public screen AmiFTP should open on.

SETTINGS - Tells AmiFTP which preference-file to use.

Note that the fontsettings is currently ignored.

## 1.12 Configuring AmiFTP

### Configuration of AmiFTP

At startup AmiFTP searches for a AmiFTP.prefs-file in the following directories (in this order):

Current directory, PROGDIR:, ENVARC: and ~user/

If it can't find a preferences file the default name for it will be PROGDIR:AmiFTP.prefs.

You can save the preferences with the menu **Settings/Save settings**. AmiFTP will save the settings for you when quitting AmiFTP in case you have forgotten to do so.

**Global preferences** The Global preferences window

**Sitelist** Sitelist window

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## 1.13 Global preferences

Global preferences

· Anonymous password:

Enter your email-address here, this will be sent to the ftp-server when you log in as anonymous user.

· View command:

Enter the command AmiFTP should use when viewing files, %F in the string will expand to the filename and %P will expand to the name of the public screen AmiFTP lives on. Note that at the moment you have to specify the complete path for the command if you run AmiFTP from Workbench since I haven't fixed the path yet.

· Default download directory:

For sites which you don't specify a download directory this directory will be used.

· Proxy host:

The name of the proxy-host to use for proxy-connections. Note that the proxy that AmiFTP needs is not generally available, it will not work with the Cern httpd-proxy function.

· Proxy port:

Which port on the proxy-host to use.

· Use proxy as default?

Should AmiFTP use the proxy for all connections? You can override this with the proxy-flag for each site.

· Ignore case?

Well, guess twice!

## 1.14 sitelist

The sitelist window

There are two ways to get to this window, and depending on how you got here things look and act different. If you got here via the "Settings/Hostlist", double-clicking on a site will pop up the **Site configuration window**. If you got here from the Connect-gadget in the main window, you will have one 'Connect'-gadget and one 'Cancel'-gadget instead of the single 'OK' gadget. Also double-clicking on a site will make AmiFTP connect to it.

By adding a new group you can move sites into a submenu. In order to move a site into a group, the group needs to be "open", which means that the arrow that's on the left side of the groupname should point downwards. Then you move the site you have selected by pressing the up/down-buttons. In order to learn how this works, the best is probably to try it out.

It's possible to add separators to menu by pressing the 'Add bar' button. Note that the bar will always show up in the menu in one way or another. So if you add it to a submenu that isn't hotlisted it will still show up somewhere.

You can sort the sites alphabetically by pressing the Sort-button.

## 1.15 Site configuration

Site configuration

· Name:

This name will show up in the sitelist window and in the hotlist-menu.

· Site:

This should be the ftpsite's actual Internet address (either hostname or IP).

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- Port:

Normally all ftp-sites use port-number 21 (which is the default), but some sites are on other ports.

- Auto-cd to directory:

If this is set, AmiFTP will cd to this directory right after the connection is made. It's convenient to have /pub/aminet here for the Aminet sites.

- Download path:

If you click on the button a path-requester will show up, you can also type the download path into the string gadget. If you don't specify a path, the default path specified in **Global preferences** will be used.

- Anonymous login?

Selfexplaining!

- Login name:

Which loginname to use for non-anonymous logins.

- Password:

The password for the above username. If you don't specify one, AmiFTP will pop up a requester asking for it when you connect. The password will be saved in the AmiFTP.prefs file, although it's not written out in plain ASCII, so if you load the prefs-file into an editor you can't read the password. The encryption routine is not very advanced, it's just that I don't like writing the password in the prefs-file so people can do a 'type AmiFTP.prefs hex' and find dozens of passwords without any effort. So for maximum security you should not write your password here. You have been warned.

- Operating System

In order to parse the directory listing correctly, AmiFTP needs to know what Operating System the site is using. For most sites, UNIX will work. Supported systems are UNIX, VMS and MSDOS. If you connect to a Amiga-site you can try UNIX, it all depends on which ls the server is using. AmiFTP can't parse the default AmiTCP:bin/ls yet, but this will be added.

- Proxy:

This is mostly for my personal use since the proxy-support in AmiFTP is not compatible with the www-proxys that are available. This proxy is only used locally here at rydnet.lysator.liu.se.

- Hotlist:

If this is checked the site will appear under the menu-label "HotList".

## 1.16 AmiFTP Menus

AmiFTP Menus

Project

Reconnect

Add to sitelist

Iconify

About

Quit

Files

Tag all

Untag all

Transfer mode

Binary

---

ASCII

Clear cache

Delete

Sort

Sort

By name

By date

Settings

Global

Sitelist

Log Window?

Show dotfiles?

Load settings...

Save settings

Save settings as...

Hotlist

Hotlist entries

## 1.17 menureconnect

Reconnect

Reconnects you to the last server you was connected to, and goes to the directory you were in.

## 1.18 menuaddtositelist

Add to sitelist

Add the current site to the sitelist, the current remote directory will also be copied.

## 1.19 menuiconify

Iconify

Removes the gui-interface and puts an icon on the workbench so you can re-open the gui again.

## 1.20 menuabout

About

Pops up the About-window.

## 1.21 menuquit

Quit

Exists AmiFTP and saves the configuration if it has changed since you last saved it. The window size and position is not saved, to do this you have to use **Settings/Save settings**.

## 1.22 menutagall

Tag all

Selects all files in the current remote directory.

## 1.23 menuuntagall

Untag all

Deselects all selected files.

## 1.24 menutransfermode

Transfer mode

You can switch between binary mode and ASCII-mode.

## 1.25 menuclearcache

Clear cache

Clears the directory cache.

## 1.26 menudelete

Delete

Deletes the selected files. Be careful! You have been warned.

## 1.27 menusort

Sort

The will sort the filelist either by Name or Date.

## 1.28 menuglobal

Global settings

Opens the **Global settings window**.

---

## 1.29 menulogwindow

Log window

Toggles the logwindow on/off. The logwindow is just a CON: at the moment.

## 1.30 menushowdots

Show dotfiles?

Toggles viewing of dot-files (files beginning with a '.').

## 1.31 menusitelist

Hostlist

Opens the [Sitelist window](#).

## 1.32 menuloadsettings

Load settings

Load new settings.

## 1.33 menusavesettings

Save settings

Save the current settings to file. When starting AmiFTP it looks for AmiFTP.prefs in 'Current directory', PROGDIR:, ENVARC: and ~home/. AmiFTP will also save the current size and position of the main window to the config-file.

## 1.34 menuhotlist

Hotlist

If you have checked the 'Hotlist'-gadget in [Site configuration](#) for one or more sites, this menu will provide an easy way to connect to your favourite site without going through the [Sitelist window](#).

## 1.35 ARexx documentation

ARexx

AmiFTP's ARexx-port default name is "AMIFTP". In case a commands fails a non-zero returncode is returned.

The following ARexx commands are available:

[GETATTR](#)

[SETATTR](#)

[CONNECT](#)

[DISCONNECT](#)

---

CD  
LCD  
DELETE  
SITE  
GET  
MGET  
PUT  
MPUT  
VIEW  
FTPCOMMAND  
QUIT

## 1.36 GETATTR

GETATTR

Syntax: GETATTR STEM/A, HOTLIST/S, FILELIST/S

Description:

Fills the STEM-variable with current AmiFTP-status:

stem.VERSION = Version of AmiFTP

stem.SCREEN = Name of the public screen AmiFTP lives on

stem.HOST = Current host

stem.PORT = Current port

stem.PROXYHOST = Name of proxyhost

stem.PROXYPORT = Proxyport

stem.USEPROXY = Use proxy for this connection?

stem.ANONYMOUS = Set to 1 if anonymous login is used, otherwise 0

stem.USERNAME = Loginname used

stem.LOCALDIR = Current localdirectory

stem.REMOTEDIR = Current remotedirectory

stem.CONNECTED = Set to 1 if AmiFTP is connected, otherwise 0. (AmiFTP will send a "NOOP"-command in order to check this)

If HOSTLIST is specified the following structure will also be set:

stem.HOTLIST.COUNT = Number of hotlist entries

stem.HOTLIST.n.NAME = Host hotlist name

stem.HOTLIST.n.ADDRESS = Host address

stem.HOTLIST.n.PORT = Port number to use

stem.HOTLIST.n.USERNAME = Loginname

stem.HOTLIST.n.ANONYMOUS = Set to 1 if anonymous login should be used

stem.HOTLIST.n.REMOTEDIR = Default remote directory

---

stem.HOTLIST.n.LOCALDIR = Default local directory

stem.HOTLIST.n.USEPROXY = Set to 1 if proxy should be used

If FILELIST is specified AmiFTP will also fill the stem with the current remote directory listing (if there is one available)

stem.FILELIST.COUNT = Number of files

stem.FILELIST.n.NAME = Filename

stem.FILELIST.n.SIZE = Filesize

stem.FILELIST.n.TYPE = 'FILE' for regular file, 'DIR' for directory and 'LINK' if AmiFTP can't figure out what it is.

## 1.37 SETATTR

SETATTR

Syntax: SETATTR HOST/K, PORT/K, USEPROXY/S, REMOTEDIR/K, LOCALDIR/K, USERNAME/K, PASSWORD/K, QUIET/K

Description:

Sets the attribute to specified value. QUIET should be set to either TRUE or FALSE. When run in QUIET-mode AmiFTP won't wait for user input anywhere, that means that no requesters are shown, and the ConnectWindow and TransferWindow closes automatically. No transfers will be resumed when AmiFTP is in QUIET-mode, everything is overwritten.

## 1.38 CONNECT

CONNECT

Syntax: CONNECT NOSCAN/S

Description:

Connects AmiFTP to a server, you must have specified which server you want to connect to with either 'SETATTR HOST server' or 'SITE servername'. If you don't want AmiFTP to read the remote directory use the NOSCAN option.

## 1.39 DISCONNECT

DISCONNECT

Syntax: DISCONNECT

Description:

Disconnect AmiFTP from the current server. It is safe to call DISCONNECT even if you're not connected to a server.

## 1.40 CD

CD

Syntax: CD NOSCAN/S, PARENT/S, DIR

Description:

Changes remote directory to DIR or PARENT. If you don't want AmiFTP to read the directory use the NOSCAN option.

---

## 1.41 LCD

LCD

Syntax: LCD DIR

Description:

Changes local directory to DIR.

## 1.42 DELETE

DELETE

Syntax: DELETE FILE/M

Description:

Deletes all files, if something goes wrong, AmiFTP will not continue to delete the rest of the files in the list.

## 1.43 SITE

SITE

Syntax: SITE SITE/A/F

Description:

Scans the sitelist and, if the SITE is present, makes AmiFTP ready to connect to the site. Use the CONNECT-command to connect.

## 1.44 GET

GET

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

Description:

Gets a file from server in ASCII or BINary mode (default is binary), with the filename LOCAL if specified, otherwise the filename will be the same as FILE.

## 1.45 MGET

MGET

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

Description:

Gets multiple files in ASCII or BINary mode (default is binary) from the server.

## 1.46 PUT

PUT

Syntax: PUT FILE, REMOTE

Description:

Uploads FILE to the server.

---

## 1.47 MPUT

MPUT

Syntax: MPUT FILE/M

Description:

Uploads multiple files to the server.

## 1.48 VIEW

VIEW

Syntax: VIEW ASCII/S,BIN/S,FILE/A

Description:

Downloads the file to 'T:' and then spawns the viewer ([Settings/Global/View command](#)). When AmiFTP exists it will try to delete all the viewed files.

## 1.49 FTPCOMMAND

FTPCOMMAND

Syntax: FTPCOMMAND COMMAND/F

Description:

Sends the supplied string directly to the server on the control channel without doing any checks first. This way you can use AmiFTP in order to remove directories, change protection bits etc. "FTPCOMMAND RMD test" will remove the directory called test.

## 1.50 QUIT

QUIT

Syntax: QUIT

Description:

Quits AmiFTP, if you are connected to a server AmiFTP will disconnect you first.

## 1.51 faq

Common questions

Why doesn't the proxy-function work for me?

Simple, it's not designed to work with anything else than a local ftp-proxy we use here at rydnet.lysator.liu.se. It's in no way compatible with the common http/ftp-proxies available.

---

## 1.52 acknowledgements

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José Roberto González Rocha (alu756@csi.ull.es) for the Spanish translation

Arno van Wouwe (apwouwe@cs.vu.nl) for the Dutch translation

The people behind ClassAct

and everyone else I've forgotten...

## 1.53 bugs

### Known bugs/problems

I've had two reports saying that AmiFTP sometimes uses 100% of the CPU. I have no idea why this is happening, it hasn't happened to me yet.

(This seems to apply to as225/I-Net 225 users only) When aborting a filetransfer the entire connection is lost.

Sometimes the listview doesn't show the last characters of a line.

It could take a while before the transfer is actually aborted after the Abort-button is pressed.