AmFTP

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AmFTP

1.1 AmFTP.guide

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AmFTP
*****
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Welcome to AmFTP, the AmigaOS FTP client.

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  Known Bugs         Problems, causes, and cures.
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1.2 AmFTP.guide/Copyright

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Copyright
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****

AmFTP has been designed, developed and written by

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    Strictly Prohibited. Distribution is defined for purposes of this document
    as transfer of the keyfile from any entity to any other, singular or
    plural.

1.3 AmFTP.guide/Registration

Registering AmFTP
****

AmFTP Is shareware. We ask that you consider the amount of time and
effort involved in producing good software for the amiga, and we ask
that you please consider registering any shareware software that you

like and use regularly.

AmFTP can be registered from any of four registration sites around the
world. Sites exist in the United States, Germany, United Kingdom, and
Australia. For more details of the registration sites, check the
registration utility included with AmFTP. You should choose the site
closest to you for the quickest service.

Once the registration utility is running, fill in the information
requested by the program. Please note that the registration process
can be expedited by using this form, rather than sending a hand written
request. Before proceeding to the next page, please be sure to read
the AmFTP license, by clicking on the middle gadget at the bottom.
this license contains important information concerning you as a
registered user of AmFTP. next you may either abort the registration,
or proceed to the next page by clicking on the appropriate gadget.

At this time, select the package that you wish by selecting it from the
"Requested Product" pop-up menu. Next, choose the registration site
closest to you, by selecting the tab for that site. Finally, choose the
method of payment that you wish to use. Please note that not all forms
of payment are accepted at all registration sites.

Note that users registered with First Virtual and wishing to pay the
registration fees via FV pin # must use the United States registration
site.

Please be sure to scroll throught the registration site info after
selecting the registration site for important instructions for the
registration process.

Next, you may return to the previouse page to confirm correct
information about yourself. Also, you may abort the registration at
this time. Otherwise, click on the "send via net" gadget if you are
currently online with your service provider, to send a copy of the
registration form to the registration site via E-mail. If you are
paying via First Virtual, then you have complete the registration
process. Otherwise, you should next click on the gadget to print the
registration form, to be included with your payment via snail mail.

If you are unable to print the form, please copy the information that
you entered in the first page onto a piece of 8.5x11 paper. Please be
sure to print clearly, so that no errors are made when we send your
keyfile to you. Next, enclose the payment and registration form in an
envelope and address to the proper registration site.

1.4 AmFTP.guide/Introduction

Introduction
****

FTP is an acronym for File Transfer Protocol. FTP is a method for
transferring files from one computer to another, if they are connected
to each other via a TCP/IP network. Using an FTP Client, you may

connect to a remote computer on the internet and upload or download
files. You may have an account on a remote FTP site, but more
commonly, FTP is used with an "anonymous" connection, meaning that you
dont need an account to log on to the site and download files. Several
well known FTP sites are included with AmFTP for your use. You will
soon find others that you use often and you can add these to the others.

1.5 AmFTP.guide/Features

```
Features of AmFTP
*****************
```

   * Built-in Archie file archive search utility

   * Internal ADT (Aminet Download Tool) Implementation

   * High speed asynchronous transfers for maximum efficiency.

   * Batch download facility: select files in multiple directories and
     download them all at once.

   * Resume Partially received files.

   * Ftp-Server "phonebook"

   * Automatic server reconnect and "keep Alive" support.

   * Supports Download, DirTool, and ADT (aminet-Download) GUI layouts.

   * Full ADT support including parsing of RECENT files and "Show Since"
     facility. You never need MUIadt again.

   * Full ARexx support.

   * Nice, Versatile GUI supporting user-configurability, Bubble help,
     Drag & Drop, etc.

1.6 AmFTP.guide/Requirements

```
Requirements
************
```

AmFTP Requires any Amiga computer running Kickstart/Workbench 2.0 or
later, and MUI 3.1 or later.

AmFTP needs some TCP/IP protocol stack in order to operate and connect
to a remote FTP site. These include:

                Miami
                AmiTCP

```
        As225r2
        TermiteTCP

    or a TCP/IP Emulator for Un*x shell account, including:

        MLink
        TIA (The Internet Adapter)
        Slirp
```

1.7 AmFTP.guide/Installation

```
Installing AmFTP
****************
```

An Installer script is included in the archive, which makes
installation as easy as possible. You must have Amiga Technology's
Installer program in C: for this script to work. If you cannot or do
not wish to use the installer script, just create a directory for it if
you wish, and uncompress the archive into the created directory.

1.8 AmFTP.guide/Operation

```
Operation of AmFTP
******************
```

```
  Startup            Starting AmFTP
  Configuration      Configuring AmFTP
  Connecting         Connecting to a remote FTP server
  Interface          Operating AmFTP's interface
  Archie             Archive file searching utility
  Add Server         Adding a server to the "phonelist"
  Remove Server      Removing a server from the "phonelist"
  Upload             Uploading a file to the server
  Download           Downloading a file from the server
  Options            Changing Connection Options.
  End                Closing connection & ending a session
```

1.9 AmFTP.guide/Startup

```
Starting AmFTP
**************
```

```
    To run AmFTP:
```

```
    From Shell:

    Open a shell and CD to the directory in which you have placed AmFTP, and
    type: "AmFTP"

    From Workbench:

    Open the drawer that you have placed AmFTP in and click on its Icon.
```

1.10 AmFTP.guide/Configuration

```
Configuring AmFTP
*****************

The external configuration utility, AmFTPPrefs, controls most of the
configuraton settings for AmFTP.  These controls are discussed here.
The AmFTPPrefs window is divided into several tabs, clicking on any tab
will reveal that page and its configuration options.


  Settings            AmFTP operational settings
  Flags               Toggles for certain actions
  Viewer              Settings for handling files via datatypes
  Sound               Settings for audible notification of events
  Cache               Directory cache settings
  Special             Miscellaneous Settings
```

1.11 AmFTP.guide/Settings

```
Settings Tab
************

Local Directory
    Sets the default directory on the local hard drive for source and
    destination of transfers.

Archie Searchsite
    Sets the default site used when using athe built-in Archie search
    function.

ADT Findsite
    Sets the default site used when using the built-in aminet search
    function.

Maximum Search Results
    Sets the maximum number of entries returned when searching for
    files.  Valid range is 10-100.

Display Log-Window
    Toggles the Log window located at the bottom of the main AmFTP
```

```
    file list window on & off.

Show Aminet-MOTD
     Toggles display of the Aminet Message of the Day Upon Connect.

Create Logfile
     Toggles saving of logged events to a file on & off

Logfile:
     Sets the name of the logfile if logging is active.
```

1.12 AmFTP.guide/Flags

```
Flags Tab
*********

Confirm Local Delete
     Forces Confirmation via Yes/No Requester when attempting to delete
     files on the local disk.

Confirm Remote Delete
     Forces Confirmation via Yes/No Requester when attempting to delete
     files on the remote disk.

Send NOOP to avoid timeout.
     Sends a signal periodically to simulate activity in order to
     prevent disconnect by inactivity timers.

Automatically receive *.readme files in ADT
     Sends and displays a files #?.readme text file on double clicking
     the entry.

Confirm Close Connection
     forces confirmation of intent to disconnect from a server.

Pop up Connect Window
     Causes the Connectino profiles window to open upon starting AmFTP.

Start FTP in Download Mode
     Causes AmFTP to open a FTP connectino with a single file list
     showing files on the remote disk.

Start ADT in Dirtool Mode
     Causes AmFTP to open an ADT session with dual file lists, showing
     remote files on the right, and local files on the left.
```

1.13 AmFTP.guide/Viewer

```
Viewer Tab
**********
```

Viewer Pattern
     Sets the Pattern that will cause amftp to use the program defined
     in "Viewer" field. Otherwise Alternate Viewer is used.

Viewer
     Sets the default program to use to view files matching the pattern
     defined in the "viewer pattern" field.

Alternate Viewer
     Sets the Program used to view files that do not match the pattern
     defined in the "viewer pattern" field.

1.14 AmFTP.guide/Sound

Sound Tab
****

AmFTP can be configured to play a sound upon recognising certain events.
If no sound is defined for an event but react is checked, the default
system beep will be used. The volume can be defined independantly for
each event by clicking on the VOL buttons for those events.Valid volume
range is 0-64.

Start AmFTP
     Event that occures upon running AmFTP

End AmFTP
     Event that occures upon exiting AmFTP

Start Download
     Event that occurs upon begining a transfer from the remote disk to
     the local disk.

End Download
     Event that occurs upon completion of transfer from remote disk to
     local disk.

Call Viewer
     Event that occurs when AmFTP recognises a file that matches the
     pattern defined for the Viewer, and tries to start the viewer.
     Also occurs when amftp attempts to run the program defined as the
     Alternate Viewer.

Abort Connection
     Event that occurs if the user aborts, cancels or otherwise
     disconnects from the remote site.

1.15 AmFTP.guide/Cache

```
Cache Tab
*********
```

Number of Directory-Caches
     Sets how many directory listings will be cached by AmFTP. Valid
     Range is 1-100.

Use AsyncIO
     This sets AmFTP to write to disk during transfer after a buffer
     limit has been reached without interrupting the flow of data.
     While this method of transfer/write is faster it is very
     CPU-intensive. If your machine crashes, try first reducing the
     buffer size, and if the problem persists, try disabling AsyncIO.

AsyncIO Buffer Size (not yet implemented)
     Here you may set the buffer size that AmFTP will use suring
     AsyncIO transfer. Be Careful here, higher buffer sizes my
     overload the CPU.

ftp-Receive Buffersize (not yet implemented)
ftp-Send Buffersize (not yet implemented)

1.16 AmFTP.guide/Special

```
Special Tab
***********
```

e-Mail for Anonymous Login
     Sets the default text for password sent when loggin into a site as
     "anonymous". Otherwise <username>@<userhost> is used.

Colour Files
     Sets the default color for display of files.

Directories
     Sets the default color for display of directories.

Links
     Sets the default color for display of links.

XFer Ports
     Sets the number of Transfer Ports used by AmFTP. Be advised that
     you should really not change this unless you are aware of what you
     are doing. Improper use of this feature can cause transfer
     problems.

1.17 AmFTP.guide/Connecting

```
Connecting to a Server
**********************
```

Once you have started AmFTP, click on the Connect gadget located just
above the AmFTP logo in the lower left corner of the interface. Here
you can Add, Remove, or modify server profiles, or just double click an
existing profile to connect to it.

1.18 AmFTP.guide/Interface

Operating the Interface
****

The main page of AmFTP If used in dirtool mode, is divided up into two
main sections, and a smaller third section:

Local File list (Left)
     Displays files located on your computer.

Remote File list (Right)
     Displays files located on the remote server.

Log Window (bottom)
     Displays messages from either the local or the remote computer.

The operation of the main page is very similar to any "Directory Tool"
you may have experience with. If you do not, the concept is simple:
Files can be copied from one window to the other. Both windows are
identical in operation with the exception of the Batch, send and
receive gadgets.

At the top of each section, is the "path" text input gadget. Here you
may type in a path to the files that you want to operate on, or you may
select the path from the cycle gadget located just to the right of the
input string. The gadget marked "Parent"will take you up one level in
the directory structure.

Taking up most of each section is the file list, to the right of which
is the file list scroll gadget. Use this to scroll up and down through
the file listing. To the right of the scroll bar is a vertical column
of gadgets which will perform operations on any selected files in the
window to the left.

Refresh
     Causes AmFTP to re-read the file list, updating anything that may
     have changed.

MkDir
     Short for MakeDir, this gadget will create a directory in the file
     list to the left.

Pattern Matching Input Gadget
     Here you may enter a pattern for selecting files, after entering
     the pattern, with valid AmigaOS wildcards (#?.#?), if you like,
     you may use the '+' & '-' gadgets to select and deselect the files
     matching your pattern.

```
Show
     This will use multiview to show you the selected files.

Rename
     This will prompt you for a new name to give to selected files, one
     at a time.

Delete
     This will delete selected files.

Send|Receive
     These buttons will transfer the file to the opposite filelist.

Batch
     This item appears only on the remote side of the AmFTP window.
     Clicking on it will open the batch queue window and add the
     selected file to the queue.

Below the two filelist sections reside the main functions for AmFTP:

Connect|Disconnect
     This will take you to the connection profiles page where you may
     select a server to connect to, or if you are already connected,
     this will disconnect you from the server.

Settings
     Runs the AmFTP preferences Program for changing settings.

Archie
     This will open the Built-in Archie file searching utility

Help
     This gadget will call the amigaguide online documentation, which
     you are reading right now. ;)

Transfer Mode
     This cycle gadget will allow you to select a transfer mode, either
     Image (binary) or ASCII (text).  Unless for some reason you need
     to force a transfer a certain way, it is best to leave this gadget
     alone, as AmFTP will attempt to auto detect the type of transfer
     necessary for the files in question.
```

1.19 AmFTP.guide/Archie

```
Archie File Searching Utility
*****************************

What is Archie?
---------------

Archie is a protocol for finding files on the internet.  This is
accomplished through several servers dedicated to this task. in a
nutshell, you may ask your archie client for a specific file, and it
```

will find out where you can download it from. Note that archie will
not work well with generic searches: for example, you will not have
much luck searching for "archivers", but if you searched for "lha", you
might have a better chance of finding what you want. It is best to
search on the filename, rather than on what the file does.

Using AmFTP's Built-In Archie Client

The AmFTP Archie window is opened by selecting the Archie gadget from
the main window.

Here you may select a search site by typing it into the Archie
Searchsite text gadget, or by using the cycle gadget at the right of the
text input to select an already existing entry.

Next you can enter the search specifications in the search for text
input gadget. You should be as specific as possible here, as Archie is
not very good at finding files with a very generic filespec.

Once this is done, just click the search gadget to begin the search.
AmFTP will connect to the site and find anything matching the search
specifications.

After a while you should get a list of files that AmFTP has found that
match the search pattern. now you can click on Add as Profile gadget at
the bottom, and the profile will be added to the connection profiles
list, including the directory. just exit this window and choose the
connect gadget, and then choose the profile you just added, and you
will find the file you were looking for. :)

1.20 AmFTP.guide/Add Server

Adding a server to the "phonelist"
****

Open the "Server Profiles" requestor by clicking the connect gadget on
the main window, and select the new gadget located just under the
server list. This will create an entry called *new*. Fill out the
options on the right side, and you are ready to connect to the new
server.

1.21 AmFTP.guide/Remove Server

Removing a Server from the "phonelist"
****

Open the "Server Profiles" page by clicking the connect gadget on the
main window, and click on the entry to be removed. Then click on the
delete gadget and the entry will be removed.

1.22 AmFTP.guide/Upload

```
Uploading Files
***************
```

To upload files, You must have the "Directory Tool" option checked in
the settings menu of AmFTP. Just click on a file in the local window
and click the send gadget. Or, you may drag the desired files from the
local list to the remote list. See here for details on the interface
operation.

1.23 AmFTP.guide/Download

```
Downloading Files
*****************
```

To download a file, simply click on the filename in the remote window
and then click the Receive gadget. Or, you can just drag the files you
desire from the remote directory listing to the local listing. I you
wish, you may click "Batch" after selecting a desired file, and this
file will be added to a batch download queue, and after you have
selected all the files you need, you can download them all at once.

From the Batch window, You may view files in the batch queue, and you
may also remove any files, or receive the whole queue.

See here for details on the interface operation.

1.24 AmFTP.guide/Options

```
Server Profile Options
**********************
```

The "server Profiles" page is dominated by the Server entry list on the
left, and several assorted gadgets on the right. Here you may modify
your connection profiles, or add new ones, or remove old ones. Also,
you may delete servers or sort the server list by clicking on the
appropriate gadgets below the server list.

Select the server to modify by clicking on its entry in the server
profile list on the left. If this is to be a new profile, the entry
will be "*New*. Next, set the options you like in the gadgets to the
right. these are explained here:

Profile Name
     Here you can enter the name as it will appear in the server list.

Host Name
     Here you need to enter the address of the server, such as
     "ftp.vapor.com".

Port
     This is the port of the remote server to connect to. For FTP,
     this is normally 21. Unless you have a reason to change this,
     dont. Leave it set at 21. If in the future you are given a
     private ftp account somewhere, this may change, but not likely.

ADT Server
     set this on if you wish to have AmFTP behave as an ADT (Aminet
     Download Tool) client.

Anon Login
     Leave this set on, unless you want to log into a FTP server on
     which you have been given a private account. this will save you
     the trouble of having to type "anonymous" and your email address
     each time you log in.

Quiet Login
     If this is set, AmFTP will attempt to skip the MOTD when connecting

Login Name
     If you are connecting to a private account, here is where you
     enter your login name. For anonymous connections, this gadget is
     ghosted.

Password
     If you are connecting to a private account, here is where you
     enter your password. For anonymous connections, this gadget is
     ghosted.

Retries
     Here you may configure the number of retries that AmFTP will
     attempt if the server is not allowing a connect for some reason.
     Usually because of maximum number of users reached.

Remote Dir
     Here you may specify the server directory that AmFTP will
     automatically CD to upon connection.

Local Dir
     Here you may specify the local directory that AmFTP will
     automatically CD to upon connection.

Save Dir
     This will preserve the local and remote dirs for your next session
     at the same server.

Connect to FTP Server
     This will attempt to connect you to the selected server in the
     server list.

Back to main page
     This gadget will return you to the main page without connecting to

a server.

1.25 AmFTP.guide/End

Closing a connection
****

To end an FTP session and close the connection, click the Disconnect
gadget just above the AmFTP logo in the lower left corner. You will be
prompted if you really want to close the session. Choose 'Yes' or 'No'.
Then you may choose to start a session on a different server, or you may
quit AmFTP by choosing "Quit" from the Project menu or click the close
gadget in the upper left corner of the AmFTP window.

1.26 AmFTP.guide/Menus

Menu Items
****

```
  Project        Project Menu
  Action         Action Menu
  Setting        Settings Menu
```

1.27 AmFTP.guide/Project

Project Menu
****

About...
     Returns some info about AmFTP, its authors, and those who helped.
     it also will tell you which TCP/IP Stack you are currently using.

Iconify
     This will reduce the AmFTP window to an Icon on the Workbench
     Screen. Double click this icon to return AmFTP to its window.

Open Connection...
     this performs the same function as the Connect gadget

Batch Window
     Opens the Batch Window where information is kept on the current
     batch list.

Quit
     This will close any open connections and then close the AmFTP
     window, ending the session.

1.28   AmFTP.guide/Action

```
Action Menu
***********
```

Download by Name
     Allows you to download a file by typing in its full pathname,
     saving you the trouble of CD'ing through the directory structure.

Send Raw Command
     Allows you to send Raw FTP commands to the server currently
     connected. It is probably a good idea to leave this functon alone
     unless you know exactly what you are doing.

Show Aminet-MOTD
     Will display the current Message of the Day when connected to an
     aminet site in ADT (Aminet Download Tool) Mode

Snapshot current session
     Takes a "snapshot" of the current session and appends it to the
     end of the profiles list.

1.29   AmFTP.guide/Setting

```
Settings Menu
*************
```

Save Profile List
     Forces AmFTP to save the current profile list. Otherwise profile
     list is saved at exit.

Import Profile List
     Allows importing of profile lists from previous version of AmFTP.

Save Batch window contents
     Allows you to save the contents of the current batch list window,
     allowing continued download of a batch list after disconnection or
     exiting.

Load & add batch window contents
     Allows loading of a previous batchlist to be appended to the
     existing batch list.

Settings
     Calls AmFTPPrefs Utility where most of AmFTP's configuration can
     be adjusted.

Flat Download
     If set, will save incoming files in the local directory, otherwise

    will preserve the files path as well.

Directory Tool
    Toggles AmFTP to have one or two file lists. If only one file
    list is used (no check mark), it is the remote dir and only
    download operations can be performed. If "Directory Tool" is
    active, the AmFTP will display two file listings and operations
    may be performed both ways.

MUI Settings...
    Calls MUI configuration utility, allowing you to adjust the look
    and feel of AmfTP.

1.30 AmFTP.guide/REXX

The Rexx Port
****

AmFTP Arexx: ============ V1 - overworked v1.53 Rexx Commands V2 - new
implemented Rexx Commands since Beta v1.62

REXXPORT: AMFTP.1 / AMFTP.2 / ... (Shown in window title) --------

Commands: --------

CONNECT PROFILE/N   V1 Connect with server profile Nr. PROFILE.
                            (See also CONNECTHOST to connect to a
                    specified host, see also GETHOSTS, to get all
                      profile labels)

CONNECTHOST HOST   V2 Connects to given host. (See also CONNECT to
                            connection to a stored profile entry)

CLOSE   V1 Closes Connection. (See also QUIT to close
                            connection and quit)

ISCONNECTED   V1 Returns "1" in RESULT, if we're connected to
                            any host.

CHANGEDIR DIR   V1 Sends changedir command to server.

CHANGELOCALDIR DIR/F   V2 Changes the directory in the left window.
                            An empty pathname ("") causes a reload of
                        local directory contents.

GETDIRS VAR   V1 Fills all directory entries from the right
                            listview in a STEM variable.
            Returns number of entries in RESULT.
        (See also GETFILES)

GETLOCALDIRS   V2 Fills all directory entries from the left
                            listview in a STEM variable.
            Returns number of entries in RESULT.
        (See also GETLOCALFILES)

```
GETFILES VAR            V1 Fills all file entries from the right
                   listview in a STEM variable.
      Returns number of entries in RESULT.
 (See also GETDIRS)

GETLOCALFILES VAR       V2 Fills a STEM variable with the file contents
                    of the current work directory.
           (See also GETLOCADIRS)

GETSELECTED VAR         V2 Returns the selected items in the right
                 window into a STEM variable.

RECEIVE FILE            V1 Receives directly file from variable.
                 (See also BATCH, RECEIVEBATCH)

BATCH FILE              V1 Marks file from variable in batch queue.
                 (See also CLEARBATCH, RECEIVEBATCH)

CLEARBATCH              V2 Clears all contents of the batchwindow.
                 (See also BATCH)

RECEIVEBATCH            V1 Receives batch queue from connected server.
                 (See also BATCH, CLEARBATCH)

SEND FILE               V1 Sends local file from variable to remote
                 server.                          (See also
RECEIVE)

INACTION                V2 Returns 1, when AmFTP is still in action
                 (See also WAITACTION)

WAITACTION PORT         V2 Sends Msg to specified RexxMsgPort,
when                      action of last command is done.
                 Use just "call WAITPKT 'rexxmsgportname'"
                 from rexxsupport.library to wait.
           There is no need of a GETPKT afterwards.
       (Take a look at example rexx script how to
      use it)

RAW TEXT/F              V1 Sends raw command to connected server.
                  You should know, what you're doing, using
                 this command. (See also rfc 959)

ICONIFY                 V2 Iconifies the userinterface. (See also
                 SHOWUP)

SHOWUP                  V2 De-Iconifies the userinterface. (See also
                 ICONIFIY)

QUIT                    V2 Causes the programm to close the connection
                  and end. (See CLOSE to only close
connection)

GETHOSTS VAR            V1 Fills all profile entry labels in a STEM-
                 variable. (See also CONNECT)
```

```
GETPROFILE PROFILE/N VAR V2 Fills the settings of the given profile in a
                         STEM array.
(See also SETPROFILE)                                  (Take a look at
example rexx script how to                             use it)
                 The variables are:
VAR.LABEL    Labelname                                     VAR.HOST    Hostname
                        VAR.PORT    Portnumber
      VAR.ADT      Aminet Download Tool-Server
    VAR.ANON     Anonymous Login?
VAR.USERNAME Login username                              VAR.PASSWORD
Login password                                VAR.DEFDIR   Default
directory                               VAR.LOCALDIR Local directory


SETPROFILE PROFILE/N VAR V2 Sets the profile according to the parameters
                         given. (See CREATEPROFILE, GETPROFILE for
use                              and parameters)
   Unset variables aren't changed in profile.
   (Take a look at example rexx script how to
  use it)


CREATEPROFILE VAR       V2 Creates a new empty profile with given
                   parameters.                              Returns
the number of the created profile, to                          fill
in with SETPROFILE.                         (See also GETPROFILE,
SETPROFILE)                              (Take a look at example rexx
script how to                             use it)
```

1.31   AmFTP.guide/About MUI

```
Magic User Interface
********************

About MUI
=========


                          This application uses


                         MUI - MagicUserInterface

                  (c) Copyright 1993/94 by Stefan Stuntz


                  Without MUI, AmFTP wouldn't exist.


              If you want to register directly, feel free to send


                         DM 30.-  or  US$ 20.-

                                  to
```

```
                              Stefan Stuntz
                         Eduard-Spranger-Straße 7
                             80935 München
                               GERMANY
```

Why MUI?
========

Why MUI? you ask...
MUI is the most powerful application framework toolkit available for any
platform. MUI allows applications to provide their users with a highly
usable, fast and configurable user interface which works well on any
screen setting, from a 640x200 NTSC display to a 1280x1024 true color
graphics board. MUI applications use less memory than comparable
applications since they can rely on a huge set of shared class code,
which is especially true if several MUI apps are run on the same
machine.

Plus, MUI's powerful OO class methods allows the application programmer
to work on the program's functionality instead of doing repetitive low
level tasks, resulting in much more powerful applications given the same
development times. MUI's GUI classes overcome the severe design bugs in
the ROM internal BOOPSI gadget classes, allowing for complex GUI objects
without high priority CPU hogging or potential system deadlocks.

MUI compacts over 4 years of development and optimization in a powerful
toolkit, an effort no application programmer can afford to invest in his
own development.

1.32 AmFTP.guide/Revision History

```
Revision History
****************
```


```
     v1.62 (1.9.96)
     **************

       - Cursorkeys will work again in diretory listviews.
       - Some minor changes.
       - Some internal changes/cleanups.
       - Some little bugs removed.
       - "Open Connection" can be non-anonymous.
       - Totally overworked the ARexx commands.
       - "CONNECT" does now take any profile number.
       - New Rexx command: "CONNECTHOST"
       - New Rexx command: "CHANGELOCALDIR"
       - New Rexx command: "GETLOCALDIRS"
       - New Rexx command: "GETLOCALFILES"
       - New Rexx command: "GETSELECTED"
       - New Rexx command: "CLEARBATCH"
       - New Rexx command: "INACTION"
       - New Rexx command: "WAITACTION"
```

- New Rexx command: "ICONIFY"
- New Rexx command: "SHOWUP"
- New Rexx command: "GETPROFILE"
- New Rexx command: "SETPROFILE"
- New Rexx command: "CREATEPROFILE"
- New Rexx command: "QUIT"
- See Rexx/Rexx.Doc and example Rexx Scripts for further
  information.

v1.61 (14.7.96)
****

- When you're in ADT-Mode you can see the Aminet MOTD (Message Of The Day)
  when pressing Amiga-M or selecting "Show MOTD" from Menu bar.
- A new Aminet-MOTD will be displayed, if selected in Preferences.
- Updated Aminet sites and ADT-Find sites. If you find one not working,
  please contact me.
- Checked AmFTP to work with TermiteTCP. It does, since > version 0.940 of
  TermiteTCP.
- You can enter a e-Mail address send on anonymous login. The prefs entry
  can be found in submenu "special". When you leave this field empty, amftp
  takes a combination of your user- and hostname as address.
- Entry-colours of directory listview are now free configurable. You can
  change them in preferences in submenu "special".
- Profile entries can be saved anytime with from menu.
- Import of other AmFTP's profile entries can be done from menu.
  A filerequester will popup to select file to import.
- AmFTP US regsite has a new e-Mail address, use amftp-reg-us@vapor.com.
- A new regsite in australian :)
- Regsite in europe changes. Use amftp-reg-eu@vapor.com to contact.
- Current session can be snapshoted by pressing Amiga-G or selecting
  "Snapshot current session" from Action-menu.
  You can found Snapshot at the end of profile list.
- Compression on the fly will be tried to get on ever file, except
  packed ones.
- Batch Window Contents can be loaded and saved from menu.
- Regtool now works on a 640x256 screen with topaz/8 font.
  topaz/8 will be overwritten with XHelvtica/11, helvetica/11 or XEN/9.

v1.60 (13.7.96)
****

- Double click on a archie search result entry: AmFTP tries to connect
  to current selected site into selected directory.
  This only works, if AmFTP isn't already connected to any other ftp-Server.
- Fixed a bug in getting ADTFind/Archie search result.
- Archie will now also set its maxhits value.
- Lots of other bufixes and minor changes.

v1.59 (5.7.96)
****

- Fixed a nasty bug. AmFTP runs on 68000'er amigas again.
- Disabled display-beep on "Abort Connection". It's sound is configurable
  in preferences now.
- Number of total-received bytes and number of total-to-receive bytes are
  shown in percent next to diskspace-bar.

- New button in profile settings. You can now copy profile entries.
  They get same entry-name like copied one, with the postfix ".copy".
- New menu-item "Open Connection". Selection this while not connected will
  open a window to enter name of a host, which you just want to connect one
  time without creating a profile entry.
- You can download a single file by name from a ftp-Server. Press Amiga-L
  or select "Download File by Name" from menu. It is usefull for hidden
  directories on ftp-Servers.
- You can send a raw-command to a ftp-Server. Press Amiga-R or select "Send
  Raw Command" from menu. So you can use any feature of a ftp-Server, even
  when AmFTP not supports it. But be careful what you're doing/sending.
- When the Viewer returns an other returncode than 0, something got wrong
  with the viewer. E.g. "unknown datatype" AmFTP will now popup error-
  message and returncode in a little requester.
- When a file already exits during downloading. You can now chooce between
  "Resume", "Rename", "Overwrite" and "Skip".
- When your $HOME-enviroment points to a trashed or non-existing directory,
  a error requester pops up. If this happens check your home-directory in
  "AmiTCP:db/passwd".
- New tooltypes "SERVER" and "PORT/N". So you can auto-connect AmFTP to
  given ftp-Servers after start:
  e.g.   "run AmFTP SERVER wade1.ab.umd.edu PORT 21",
  or (is equal to) "run AmFTP wade1.ab.umd.edu PORT 21",
  or (is equal to) "run AmFTP wade1.ab.umd.edu PORT=21",
  or (is equal to) "run AmFTP wade1.ab.umd.edu 21",
  or (is equal to) "run AmFTP wade1.ab.umd.edu".
                    (Port 21 for PORT is default)
- New tooltype "DIR/K". While autoconnect with "SERVER" and "PORT" tooltypes ←
   ,
  you can set the initial directory with that variable.
  e.g. "run AmFTP wade1.ab.umd.edu DIR /support/AmFTP"
- New tooltype "ADT". If this switch is set, AmFTP switches to ADT-Mode on
  autoconnect with upper other new tooltypes.
  e.g. "run AmFTP wuarchive.wustl.edu ADT"
- Whole argument string is now: "LANGUAGE/K,SERVER,PORT/N,DIR/K,ADT/S".
  So, a "run AmFTP LANGUAGE english SERVER wade1.ab.umd.edu PORT 21 DIR
  /support/AmFTP" is a correct call :) ... and also a simply "run AmFTP".
  All arguments can also be used with Workbench-Startup. To activate
  switches in .info-Files (e.g. ADT) set "ADT=1" als tooltype.
- "127.1" will be converted to "127.0.0.1" correctly, and this without
  Enforcer Hits :)
- Checked out to work with Miami TCP Stack from Holger Kruse. It does.
  Now supported stacks: AmiTCP, MLink, INET225, AS225r2, slirp, TIA,
  Miami.
- Lots of other bufixes and minor changes.

v1.58 (28.6.96)
****

- internal version

v1.57 (30.4.96)
****

- Removed some Bugs.
- Diskspace in percent on current drive is shown while transfer.
- Language Tooltype is also used in AmFTP Preferences.

- RamDisk Space will be calculated correctly now, and isn't
  always 100%.
- Some minor layout changes.
- Some minor internal changes, i don't remember.
- IP Numbers are interpreted by AmFTP itself.
  (MLink caused trouble lookup on IP numbers sometimes)
- Save Archie Search Result.
- Removed some unused structures :) since v1.53
- Changing local-/remote-directory pathes in string gadets won't show,
  contents in file listview, but add to history.
- Begin-Port for XFer (usually 1024+) is configurable in Preferences
  now. DON'T change, if there is no special need to do!
- If it was not allowed to change a directory or directory doesn't
  exist, old directory will be shown again.
- AsyncIO can be switched off in AmFTP Preferences now.
  Transfer will be a little bit slower, but i won't take so much
  Performance than AsynIO on some DMA-Controller does.
- Prefernces can be stored anywhere on harddisk. AmFTP-Preferences
  saves its path inside saved configuration. So, when you changes its
  directory, you have to call Preferences once and save settings.
- If a downloaded file isn't a executable, the execution flag isn't
  set any more.
  Also Rexx and AmigaOS scripts get the script protection bit.
- The downloaded files get a "from <hostname>" comment.
- Close and MakeDir Requester Windows are now style-guide conform.
- Archie & ADTFind work again :)
- Profiles Settings are only saved on quit, when they are changed
  before.

v1.56 (18.4.96)
****

 - internal version

v1.55 (20.3.96)
****

 - Added MUI help-bubbles to AmFTP-Preferences.
 - Some layout changes.
 - Some internal fixes.
 - Limit of ADT Find-Results can be set in Preferences.

v1.54 (13.3.96)
****

 - Wrote external Preferences program "AmFTPPrefs".
   AmFTP has now one global preferences file for all running Clients.
 - External viewer can be defined in Preferences. (default is
   "SYS:Utilites/MultiView", like it was before :)
   You can also define a alternate viewer. The first will be used,
   when Viewer-Pattern matches, otherwise the alternate Viewer will
   be used.
 - The standard modes (Download-Mode, Dirtool-Mode) for ftp and ADT
   can be set in Preferences.
 - Creation of logfile and filename of logfile can be set in
   Preferences.
 - If no configuration is set, AmFTP will load Preferences program

on first start. Hope this won't confuse some user.
- Some internal changes.
- Catalog cleaned up, so old catalogs translations won't work
  anymore. I'm sorry for that, but there was need for a cleaning. :)
  I will store catalog description as fast as it is possible in
  new archives.
- Added notification on local directory. It will refresh automatic,
  when a notify arrives.
- Last Recent Date will be only updated, when it was changed.
- Added Sound Prefs to Preferences Program. You can set Sounds on
  Start/End of Amftp, Start/End of Download, and on viewing a file.
- Last state of ADT-sort-state is saved on exit.

v1.53 (28.2.96)
****

- Some internal Changes.
- New distributor for United Kingdom.
- Inserted second parser for difficult directories.
  (e.g. /pub/aminet/biz/dbase on most ftp-Server with trashed
  coumn layout)
  AmFTP will change parser mode itself.
- Transfer will be done by asyncron IO, this will take less cpu
  time, and maybe speed up transfer speed.
- There won't be DisplayBeep _after_ MultiView any more :)

v1.52 (24.2.96)
****

- Some internal fixes.
- Check of responses of bad-implemented ftp-Servers, like "Command
  not found", etc..
- Filelen to send is not taken from listview, but from filehandle.
  (it may change)
- Fixed to work with "Mircosoft FTP-Server". Grmpf.
- AmFTP didn't close allocated socket, when a connection was aborted
  by server.
- Increased length of username.
- The order of entries in the batch window can be set with dropping
  on any position inside the batch window.
  The order can be changed with draging an entry, moving around,
  and drop this entry on wanted position inside batch window.
- Some little layout changes.
- Keyfile can be also stored in $KEYPATH.

v1.51 (23.2.96)
****

- internal version

v1.50 (11.2.96)
****

- Active Object default set on listviews, depenting on connection
  state, and mode (adt).
- Added a tool for easy registration of AmFTP via net. You can call
  it either by selecting from menu, or starting it direct.

```
        - Fix a freezing bug on timeout.
        - Some internal changes.

    v1.49 (10.2.96)
    ***************
     - First non-beta prerelease.
     - Some internal fixes.
     - Changed from CatComp to FlexCat Catalog Compiler.
     - Argument/Tooltype "LANGUAGE" added.
       You can set a prefered language with this Argument/Tooltype.
       e.g. "AmFTP LANGUAGE=français" would start with french language.
       (Take care of correct spelling of the language. It's case
       sensitive!!)

    v1.48 (3.2.96)
    **************
     - Some internal fixes.
     - Some layout changes.
     - Login and transfer should work at windows server now.

    v1.47 (1.2.96)
    **************
     - Bug removed: Forgot to enable ADT listview for user input :(

    v1.46 (1.2.96)
    **************
     - Some internal fixes.
     - Some layout changes.
     - AmFTP won't disable whole groups anymore. Conform to style guide
       only gadgets are disabled.
     - Added dansk catalog.
     - Added dutch catalog.

    v1.45 (28.1.96)
    ***************
     - Changed login sequence to completely syncron data exchange.
     - MaxLen for port string set to 5. MUI now wants to get size with 0
       termination.
     - You can now load and see "ADT_RECENT_14" file, too. This should
       contain aminet uploads in last 14 days.

    v1.44 (28.1.96)
    ***************
     - Fixed a bug in rename function.
     - Added greek language catalog, thanks to Manos Konstantinia.
     - The "ls -la" listing makes no difference between linked
       directories and linked file. I depents on user now, what should
       be done with a link, and it may fail (look in log window when a
       action with linked entries does not work).
       (The filesize can be also WRONG sometimes, cause some servers
       give size of link entry instead of the size of the file.)
     - The local directory history will be saved in the file
       ".AmFTPHistory". This file can be changed with a normal
       texteditor. That history will be loaded at start of AmFTP again.

    v1.43 (26.1.96)
    ***************
```

- AmFTP.language.ct and AmFTP.cd in archie are current versions,
  again. Sorry i forgot to update these files last time.
- Internal fixes.
- Selection of transfer mode added again.
- New menu entry "Open Batch Window" or pressing AMIGA-B opens
  batch window to drag&drop inside.
- ADT entries can be drag&dropped inside the batch window now, and
  allow so a batchdownload of ADT files.
- Compiled optimized; hope anything still works.

v1.42 (25.1.96)
****
- If ENV:HOME points to "ram:", "PRODIR:" will be used instead.
- Sort by Date should now really sort by date. :)
- LASTRECENT removed from rc-File. Added LASTRECENTS, which is
  contains an unsigned value.
  Sorry "show new" had to be reseted again. It will show all files
  during first start, instead of only new ones.
- Some layout fixes.
- File ending with ".readme", ".liesmich", ".text", or ".txt" will
  attempt to be received compressed.
  If this attempt fails, no more tries of compress will be made
  during this connect with this server.
- Closing a connection during transfer will remove list of file to
  receive.
- Added español catalog.
- Changing active entry in ADT mode, will show a short info about
  it.
  Example: "CL5-Devkit [172203 Bytes, 1631 Bytes Readme, Send:
  02.12.1995, 16:00"
  Selecting entries will show info about selection furthermore.
- Changing active entry in Archie mode, will show a short info
  about it.
  Example: "Anarchie-F140.sit.bin [488960 Bytes], Send 11:23 3 Nov
  1994"
- Installer shows different icons for AmFTP during selection.
- You can choose a special selection of Aminet directories, and
  force AmFTP to show those only. Choose "Selected" in "Show:"
  cyclegadget.

v1.41 (23.1.96)
****
- All lines will end with CR/LF now, to not confuse old fashioned
  IBM-compatible servers, and some slip-emulations like TIA.
- Layout fixed.
- CPS (Character per second) calculation should now also deliver a
  correct value using file-resume.
- Fixed a bug with directory loading after resume.
- If an file to receive can't be opend, it will be logged with an
  errorreport in logwindow.
- Build a uncompress for ".Z" (standard unix compression) files in
  AmFTP.
- Compressed files will automatically decompressed, yet. Later on
  it will be configurable.
- RECENT and LOCAL index files will be loaded in compressed format.
- Some internal changes.

```
v1.40 (22.1.96)
***************
 - Added AmFTP/AMIGA®-logo in about window.
 - If downloading a file which already exists, it can be either resumed
   or overwritten.
 - Resume requester only appears when that checkmark is selected
   in menu. Otherwise resume will be used without asking.
   Take care: Not every ftp-site supports a correct resume.
 - Dirparser re-written. Now it uses a human like logic finding
   columns and spaces. Hope this will solve problems with some
   special sites.
 - New entry in AmFTP-RC file "LASTRECENT". It stores the time index
   of newest recent entry. It's used to decide which aminet uploads
   are new. Setting this back to "LASTRECENT 0" (or removing this
   entry) shows all files since 1.1.1970. This will be start value,
   i'm sorry for.
 - Some internal fixes.

v1.39 (21.1.96)
***************
 - Some internal fixes.
 - Archie Title strings in listview are now named "Host" and
   "Directory/Filename".
 - Dirparser improved.
 - Variable "LASTCALL" removed. The ADT scan date will be last seen
   entry in RECENT list.
   ADT will now really show NEW entries, when it should to.
 - You can load local index of any aminet side. Be careful: this
   could take a while.

v1.38 (20.1.96)
***************
 - Found archie entries can be added as Profile entries. The server
   will be named "FTP <ftpsite>", and can be found on the bottom of the
   list.
   The default directory of this profile entry will be the directory
   found during archie search.
 - Some internal changes.
 - Bug removed: Loginsequence with some archie servers failed sometimes.
 - Minor Layout fixes.
 - Archie output is now restricted to window width.
   Before you saw "/pub/amiga/com", now you see ".../comm/amftp".
 - If no username or no password is given in profile settings, there
   will popup a window to enter it for this login.
   These datas won't be saved after quit, so it is useful for secure
   use.
 - Changed directory parsing again. No it should work anywhere and make
   no more problems with "files with space in filename".

v1.37 (19.1.96)
***************
 - Installer script works correct now.
 - If you wanted to download a file, which is not available to download
   for you, no works perfectly. The reasons may be, e.g. that the
   file has been removed, or your user rights don't allow you to access
   that file.
 - A batch download cannot be initialized when no connection is
```

established.
- List of Default Profiles now includes all known AmiNet Sites.
  (Reference: Site-info from any AmiNet site) You have to delete your
  ".AmFTPProfiles" files in HOME: and PROGDIR:, if you want to see
  them in YOUR personal profile list.
- New feature to call "archie"-sites to search for special files.
  Choose your local archie findsite from the popuplist. The archie
  feature is totally alpha and will be completed soon to really work
  with.
  If a archie findsite doesn't work or respond, please report this to me.
  Connection and transfer can be aborted during action.
- ADT-Find will open a connect window during whole transfer. And allows
  you to abort transfer.
- Some internal changes.
- Connectwindows aren't active when they're opened.

v1.36 (16.1.96)
****
- French and finnish catalog included. Thanks to Pascal Rullier
  and Timo Suoranta.
- Added a ADT Status window.
- only valid help bubbles will be shown.
- Connect window only appears when that checkmark is selected
  in menu.
- Some layout fixes, and some internal fixes.
- Transfer gauges will now show 100% when file is transfered.
- MakeDir/Rename windows will be created and disposed dynamically
  in order to save memory.
- Amiga FTP-Server with "System:" pathnames, etc., weren't handled
  correctly.
- Batch window will close after transfer of files has been started.
- New variable label in ".AmFTPRC" called "ADT_FINDSITE".
  Default is 128.252.135.4 which is ftp.wustl.edu.
  Other find sites are:
  USA (MO),ftp.wustl.edu,128.252.135.4
  Switzerland,amiga.icu.net.ch,146.228.204.2
  Germany,find.germany.aminet.org,131.234.38.2
  Portugal,ftp.ua.pt,193.136.80.68
- Now possible to call an Aminet findsite and search for
  special entries. Press "Find" in ADT-Mode.

v1.35 (15.1.96)
****
- ABOR command will be send trashed again.

v1.34 (15.1.96)
****
- MUI destructor ist safer.
- Main Page will be pop-up'ed by closing connection.
- Saved path in ".AmFTPrc" is case sensitve now.
- ADT/Anon checkmarks disable correct other strings/checkmarks.
- Corrected bug in german catalog.
- Subdir download only works in ADT Mode, NOT in batch mode.

v1.33 (15.1.96)
****
- ADT Sort Date fixed.

- MkDir/Rename Disabled bug while not connected removed.
- First real AT-Version (not released via supportsides).

v1.32 (14.1.96)
****
- Incresed stacksize of connect task window to 20.000, to start
  MUI Prefs if you like too.
- Using nameserver for server ip can now also be aborted.
- Loading directory now uses busybar, too.
- All writing operations now check socket before writing.
- Busy Bar will now be moved slowly via mainloop, because MUI3.1 busy
  bar don't move itself.

v1.31 (13.1.96)
****
- Bug removed: Connecting window was displayed on wrong pubscreen.
- ADT Listview is enabled anyway when recent was got and parsed.
- Size of Readme will be printed out correct.
- New menu checkmark for "confirm close connection."
- Quiet Login with userdefined password was incorrect.
- Syncron Login procedure, instead of old asyncron.
- ADT can also be deselected again.
- Changed dirparsing for non-group outputs.
- ADT Mode now with select pattern ("+", "-").
- ADT Sort Date works now.
- Connect window references main window.

v1.30 (12.1.96)
****
- Enforcer Hit removed, when chaning localdir with no profiles
  selected.
- Contents of local directory string gadgets will be saved in
  ".AmFTPRC" and loaded again.
- Pathes ending with "/" got a wrong parent directory. Fixed.
- Small window during connecting, including some informations about
  host and port.
- Added possibility to abort connection.

v1.29 (10.1.96)
****
- Onother signal bug removed.
- Menu checkmarks and cyclegadgets are stored in ".AmFTPRC" and will
  be loaded and installed after new start.
- Multiview will now be startet at actual pubscreen.

v1.28 (9.1.96)
****
- Refresh, Reload combination with cache now works.
- Some internal fixes.
- MakeDir and Delete now loads real Directory and not cached
  directory.
- norwegian and swedish catalog included. Thanks to Anders Bakkevold
  and Jan Malmquist.
- If no localdir in profiles is selected, the localdir won't be
  changed during connect.
- Display Beep after transfer, except loading directory.
- Removed a bug with multiple AmFTP-Clients running.

    – Bug removed: Port can now be really 4 ditigts long.
    – No help-bubbles on "Abort" gadgets while transfer.
    – Removed bug with signal handling.... puhhh....

  v1.27 (8.1.96)
  ****
   – Added a directory cache system. Already loaded directories in
     time won't be load anymore. Size of cache: 20 entries.
    – Using "Refresh" button, won't use cache anymore. The directory
      will be received from server anyway.

  v1.26 (7.1.96)
  ****
   – Enforcer Hit eliminated.
   – First version of AmFTP.guide, thanks to Duran ! :)
     Button "Help" or pressing Help-Key now starts the guide.
   – Version string set, v1.25 was v1.24.
   – The success messages of sending the NOOP Command are no longer
     printed in the logwindow and logfile.
   – "Parent" Button (Arrow Left) is now by a text gadget.

  v1.25 (6.1.96)
  ****
   – Transfer Gauge will now show correct value with big files.
   – The Logfile will be stored in "T:AmFTP.log" for debugging.
   – If "Save Dirs" is selected, the Default Dir in profile settings
     is updated anytime the directory changes.
   – You can now select a local directory for each profile entry.
     And also select savedir to keep local directory uptodate.
   – Layout changed to save space for 640x200 user.

  v1.24 (6.1.96)
  ****
   – Couldn't delete local dirs. Fixed
   – Local files to view weren't deleted after viewing. Fixed
   – NOOP now only sent if no transfer is running
   – Added 'Sort' button to profile page, sort profiles alphabetically
   – file sizes not shown correctly. Fixed.

1.33 AmFTP.guide/Credits

Those Deserving Favour:
****

I would like to thank the following
people for their help during AmFTP
development:

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Installer scripts
     Robert 'RobR' Reiswig

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1.34 AmFTP.guide/Bug Reports

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How to report Bugs
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    Bugs concerning AmFTP should be sent to:
    The AmFTP Mailing List
    amftp@vapor.com

    Bugs and corrections in the
    documentation should be sent to:
    lww@tristate.pgh.net
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1.35   AmFTP.guide/Known Bugs

1.36   AmFTP.guide/AmFTP Support

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AmFTP Support
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AmFTP can be downloaded from:
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ftp://ftp.vapor.com/support/AmFTP/
http://www.vapor.com/AmFTP/
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1.37   AmFTP.guide/Index

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Index
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