



Apple® IIgs

SOS.FTP NDA Reference Manual



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Dedicated to the memory of Joe Kohn 1947-2010

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Introduction



Introduction to the SOS.FTP NDA

Son Of Safe2 FTP NDA

Andrew Roughan suggested to me some time ago, that it would be useful to him to have the ability to send software builds out to a remote FTP server as and when needed.

Although not exactly answering his request, and taking rather longer than I would have liked, I have now partially answered it by adapting the core FTP routines from SAFE2 into an FTPTool Set, and used the Tool Set to build this accompanying FTP NDA.

Both the NDA and the FTPTool Set have been released into the Public Domain. The NDA allows a user to send or receive files by FTP directly from the desktop, or by using the FTPTool Set, by calling the FTPTool from within their own application.

Full programming details for using the FTPTool are given within the FTPTool Set manual, which you can download from my website.

If you have any questions about the use of this toolset, please contact:

spectrumdaddy@mac.com

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In Use

Using the SOS.FTP NDA

Requirements and Installation

The SOS.FTP NDA gives you basic file transfers using FTP, directly from the desktop, or from within an application. As it only transfers files one file at a time, if you require a more powerful FTP application that allows transfer of multiple files, or allows folder manipulation, please use the more powerful **SAFE2** file transfer application. **SAFE2** is available from my web site.

Drop the **SOS.FTP NDA** into the **Desk.Accs** folder within the **System** folder, **TOOL131** into the **Tools** folder within the **System** folder, and then reboot.

The **NDA** requires the **FTPTool Set** to be installed, and '**Marinetti 3.0b3**' or later to be installed and configured.

The **SOS.FTP NDA** is compatible with both the Standard or High Resolution screen displays.

To obtain the **SOS.NDA**, the **FTPTool Set**, **SAFE2**, and any of my other software, please go to my web site:

<http://speccie.uk>

Operation

The image shows a screenshot of a terminal window titled "SOS.FTP". The window contains several input fields and control elements:

- IP Address:** A text box containing "IP_Address=".
- Username:** A text box containing "username=".
- Password:** A text box containing six diamond-shaped characters (◆◆◆◆◆◆).
- Host Path:** A text box containing "host_path=".
- Local Path:** A text box containing "local_path=".
- Active Port:** A checkbox that is currently unchecked.
- Force ASCII:** A checkbox that is currently unchecked.
- Overwrite:** A checkbox that is currently unchecked.
- File:** A button.
- Folder:** A button.
- Send:** A button.
- Receive:** A button.

At the bottom of the window, there is a horizontal bar, likely representing a progress indicator as mentioned in the text.

When the NDA is opened for the first time, the dialog will show the default settings. Subsequently, you will see the last settings displayed that you entered.

Before you can transfer a file in either direction, you must first fill in the five LineEdit boxes with the relevant information, and with the path to the file you wish to transfer.

If a transfer fails, you will hear the *'DoorBell'* sound, and if successful, you will hear the *'Eastern'* sound.

The red thermometer bar at the foot of the window will show the progress of the transfer.

The LineEdit Boxes

IP Address

Enter the dotted address, or domain name of the host server you will be transferring to or from:

```
17.142.160.59  
apple.com
```

Username

If the host requires you to “sign in” to your account, then enter the username of your account. Leave it empty if you do not need to sign in.

Password

If the host requires you to “sign in”, then this is the password of your account. Leave it empty if you do not need to sign in.

Note: Some hosts will accept ‘anonymous’ as the username, and a valid email address as the password.

Host Path

This is the full pathname on the host directory that points to the file you will either be receiving, or when sending, will be creating or overwriting:

```
/top directory/sub directory/filename
```

Local Path

This is the full pathname to the file you are sending to the host, or when receiving, to the file that will be created or overwritten on your hard disk or floppy disk:

```
:hard.disk:first.folder:sub.folder:filename
```

Note: The two filenames need not be the same. Just make sure that the received filename is valid for the file system you are using, or the transfer will fail.

Options

Active Port

Most host servers will usually require you to connect with a PASV or passive port, but some may require you to connect with an Active port. Check this box if you need to connect with an Active port. The default is for a PASV port to be used.

Note: When using Sweet16, you cannot use an Active port with Marinetti.

Force ASCII

This forces uploads and downloads to be saved as Text files. Do not use this setting if the file contains 8-bit binary information. The default is for 8-bit binary files to be passed in both directions.

Overwrite

If checked, and a file exists at the destination end, it will first be deleted before the transfer starts. The default is for transfer to be resumed for a partial file that already exists. If unchecked, and the file already exists and is the same size or greater, then nothing will be transferred.

Buttons

File

Used for selecting the full pathname to a file you will send to the host. It will put the full pathname into the **Local Path** box.

If the current entry in the **Host Path** box has a trailing ‘:’ or ‘/’, the filename of the selected file will be appended to that entry, saving you having to add it yourself.

Folder

When retrieving a file from the host, this gives you an easy way to select the folder where the received file will be written to. It will put the full path of the folder into the **Local Path** box.

You will need to add a filename that you want the file to be saved as.

If the current entry in the **Host Path** box has a filename at the end of its full pathname, that name will then be appended to the local folder entry, saving you having to add it yourself.

Send

Sends the selected file to the host server. If successful, you will hear the ‘*Eastern*’ sound played, and if the transfer fails for any reason, you will hear the ‘*DoorBell*’ sound.

Receive

Retrieves the selected file from the host server. If successful, you will hear the ‘*Eastern*’ sound played, and if the transfer fails for some reason, you will hear the ‘*DoorBell*’ sound.

Note: The red thermometer bar at the foot of the window will show the progress of the transfer. If the transfer is successful, the red bar will remain until the next transfer starts. If the transfer fails, the bar will empty and return to white.

FTP.Tester and the FTPTool Set

Within the FTPTool archive on my web site, you will find a simple application that allows you to test out what you can expect from the various calls and commands from the FTPTool Set.

The application has three menu choices, *Receive File*, *Send File*, and *Commands*. Selecting any of those three options will open a window where you can fill in the required boxes for that call, and then let you action that call.

If you check the 'Send Handle' box when requesting a directory listing, the app will send a Handle for the returned list. The default is for the Tool to create the Handle itself.

If you check the 'Debug' box, you will be able to check the *FTP.Log* file in the top directory of your *Boot Drive* folder to see the data sent and returned for the transfer. This can help you find any errors that you may have made.

If any of the calls you use returns an error, you will see the 'Error' value as non-zero. Check the Error Code list to see what the error number means.

Press *Escape* to cancel a transfer that is in progress.

Please refer to the FTPTool Manual for more details on how to use the tool set within your own applications.

Links

To obtain the SOS.FTP NDA, or the FTPTool Set, or any of my other software:

<http://speccie.uk>

To subscribe to the Juiced.GS magazine:

<http://juiced.gs/>

To read all about the KFest conference:

<http://www.kansasfest.org/>

To shop for Apple II software:

<http://www.syndicomm.com/>