

# **QM-Link/MA™**

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## **Introduction:**

QM-Link/MA (MA = Multiple Account) is a QuickMail gateway to AppleLink®. QM-Link/MA

can be used to send and receive messages and files via AppleLink. QuickMail users can now exchange information via AppleLink as easily as they do with other QuickMail users on the network.

A single QM-Link gateway can be used to monitor hundreds of AppleLink accounts. In contrast, QM-Link can also allow hundreds of QuickMail users to use a single AppleLink account.

## **Requirements:**

- 1) An AppleLink Account
- 2) QuickMail v2.01

## **Protocol Notes:**

There are two protocols for sending and receiving files via AppleLink. The original one was EF3 and there's a new one called EFX used by AppleLink™ 5.0. We received documentation for EF3 from Apple and have written the QM-Link/MA Gateway to use that protocol. We are seeking -- but do not yet have -- approval from Apple and GEIS to include the EFX transfer protocol which is somewhat faster and may be more reliable. By the final release of QM-Link/MA we anticipate having approval for EFX.

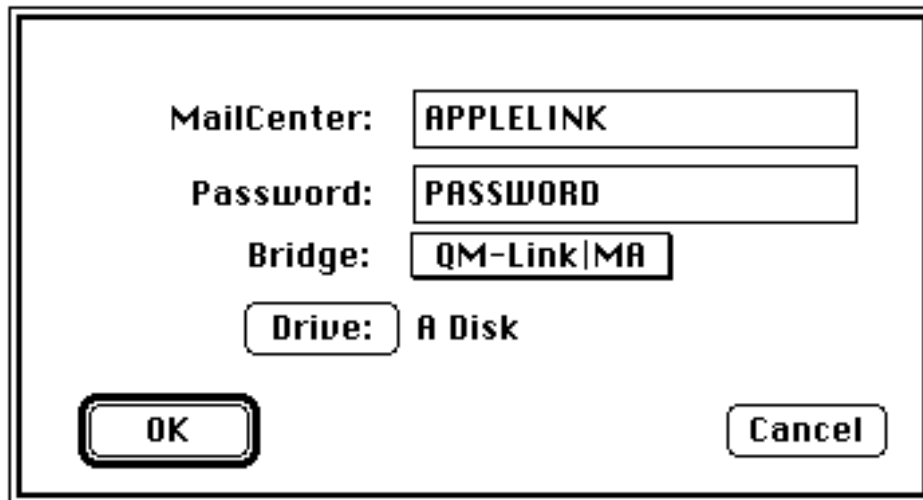
Those with licensed copies of AppleLink 5.0 and ResEdit™ can do the following to utilize the EFX protocol within the QM-Link Gateway:

Use ResEdit to copy the JREF resource from the AppleLink 5.0 application into the QM-Link gateway. The QM-Link gateway will recognize that the JREF resource is present and will then utilize the EFX protocol.

We highly recommend using the EFX protocol if you have AppleLink 5.0.

## **Installation and Setup:**

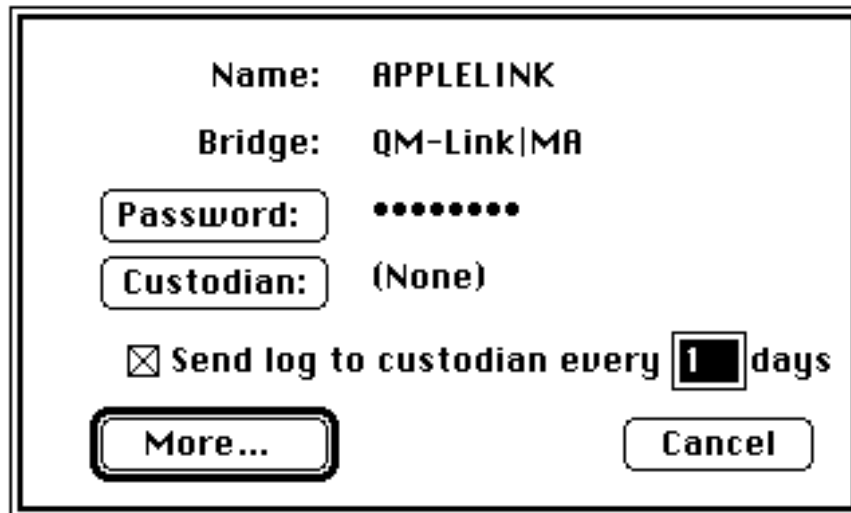
- 1) Copy the QM-Link/MA file and the "AppleLink.Script" file into the "QA" folder on your QuickMail Administrator machine. This must be done on the QM Server machine.
- 2) Run the QM Administrator™ application. (QM Administrator must be running for the QM-Link gateway to make a connection to AppleLink)
- 3) Select "New MailCenter" from the File menu
- 4) Give the MailCenter a name (and password) and select "QM-Link|MA" from the "Bridge" pop-up menu. Press the "OK" button



A dialog box for configuring a MailCenter. It contains four input fields: 'MailCenter:' with the value 'APPLELINK', 'Password:' with the value 'PASSWORD', 'Bridge:' with the value 'QM-Link|MA', and 'Drive:' with the value 'A Disk'. At the bottom, there are two buttons: 'OK' on the left and 'Cancel' on the right.

MailCenter:	APPLELINK
Password:	PASSWORD
Bridge:	QM-Link MA
Drive:	A Disk
<div><div>OK</div><div>Cancel</div></div>	

5) Select a Custodian for the AppleLink MailCenter



A dialog box for selecting a custodian. It contains three input fields: 'Name:' with the value 'APPLELINK', 'Bridge:' with the value 'QM-Link|MA', and 'Password:' with a masked value of ten dots. Below these is a 'Custodian:' field with the value '(None)'. There is a checkbox labeled 'Send log to custodian every' followed by a numeric input field containing '1' and the word 'days'. At the bottom, there are two buttons: 'More...' on the left and 'Cancel' on the right.

Name:	APPLELINK
Bridge:	QM-Link MA
Password:	.....
Custodian:	(None)
<input checked="" type="checkbox"/> Send log to custodian every <input type="text" value="1"/> days	
<div><div>More...</div><div>Cancel</div></div>	

6) Click the "More" button.



If this is the first time you have configured the MailCenter, the copyright screen will appear. Press the "OK" button.

The main configuration window for QM-Link/MA Gateway v2.0 for QuickMail. It contains the following fields and controls:

- Phone#:** A text field containing "555-1212".
- Baud:** Radio buttons for 1200, 2400 (selected), 4800, and 9600.
- Accounts:** A list box with two entries: "Dave Loverink / D0048" (highlighted) and "Bill Davis / UG0052". To the right of the list box are buttons: "Create", "Disable", "Change", "Import", "Remove", "Export", "Set Connect Times", and "Security".
- Service:** A text field containing "NJL37300".
- System:** A text field containing "APPLE".
- Script:** A text field containing "AppleLink.Script".
- Display connection:** A checked checkbox.
- Buttons:** "OK" and "Cancel" buttons at the bottom.

The main configuration window will appear. Put the phone number used to call AppleLink in the "Phone #" field. Set the baud rate at

which you connect to AppleLink.

Use the “Script” button to select “AppleLink.Script” in the “QA” folder. The script is used to dial the modem and get connected to AppleLink. After that, the gateway itself takes over and talks to the AppleLink system. If you need to modify the script, refer the scripting appendix in your QM Administrator manual.

The “Display Connect” checkbox controls whether or not the progress of an AppleLink connection is displayed on the screen.

The “Service” and “System” fields should be pre-filled and **should not** be changed. However, users outside North America may need to change these fields.

Create Button: The Create Button allows you to set up new AppleLink accounts to be checked by the gateway.

**Edit Accounts**

QuickMail™ Name: **Dave Loverink**

AppleLink™ Account ID: **D0048**

AppleLink™ Password: **••••••**

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**Send mail...**

☒ **Always send all the mail**

☐ **Only send Urgent mail during an Urgent connection**

**Receive mail...**

☐ **Always**

☒ **Only during...**

☐ **Urgent connections**

☒ **Normal connections**

☒ **Scheduled connections**

☒ **Manual connections**

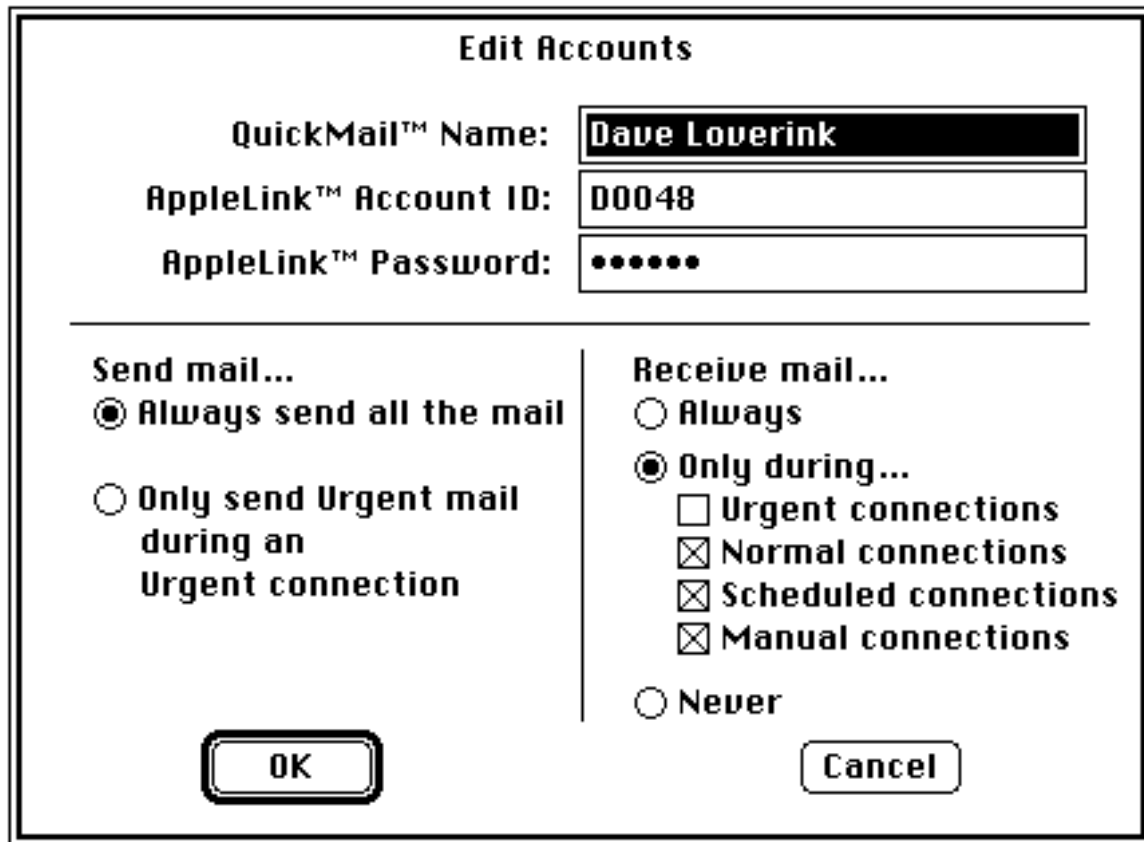
☐ **Never**

**OK** **Cancel**

Enter the QuickMail name for the “Account Custodian”, the AppleLink ID and password. The Account Custodian will receive any mail from this account which does not have an “ATTN” line. This can be used to map a persons AppleLink account directly to their QuickMail account.

For each account, Send and Receive parameters can also be set. These parameters control under what conditions mail is sent and received via the gateway.

Change Button: The Change Button allows you to edit information on an existing account.



The "Edit Accounts" dialog box is used for editing account information. It features three input fields at the top: "QuickMail™ Name" with the value "Dave Loverink", "AppleLink™ Account ID" with the value "D0048", and "AppleLink™ Password" with masked characters "••••••". Below these fields, there are two sections: "Send mail..." and "Receive mail...". The "Send mail..." section has two radio button options: "Always send all the mail" (selected) and "Only send Urgent mail during an Urgent connection". The "Receive mail..." section has three radio button options: "Always", "Only during..." (selected), and "Never". The "Only during..." option is expanded, showing three checked checkboxes: "Urgent connections", "Normal connections", and "Scheduled connections". At the bottom of the dialog are "OK" and "Cancel" buttons.

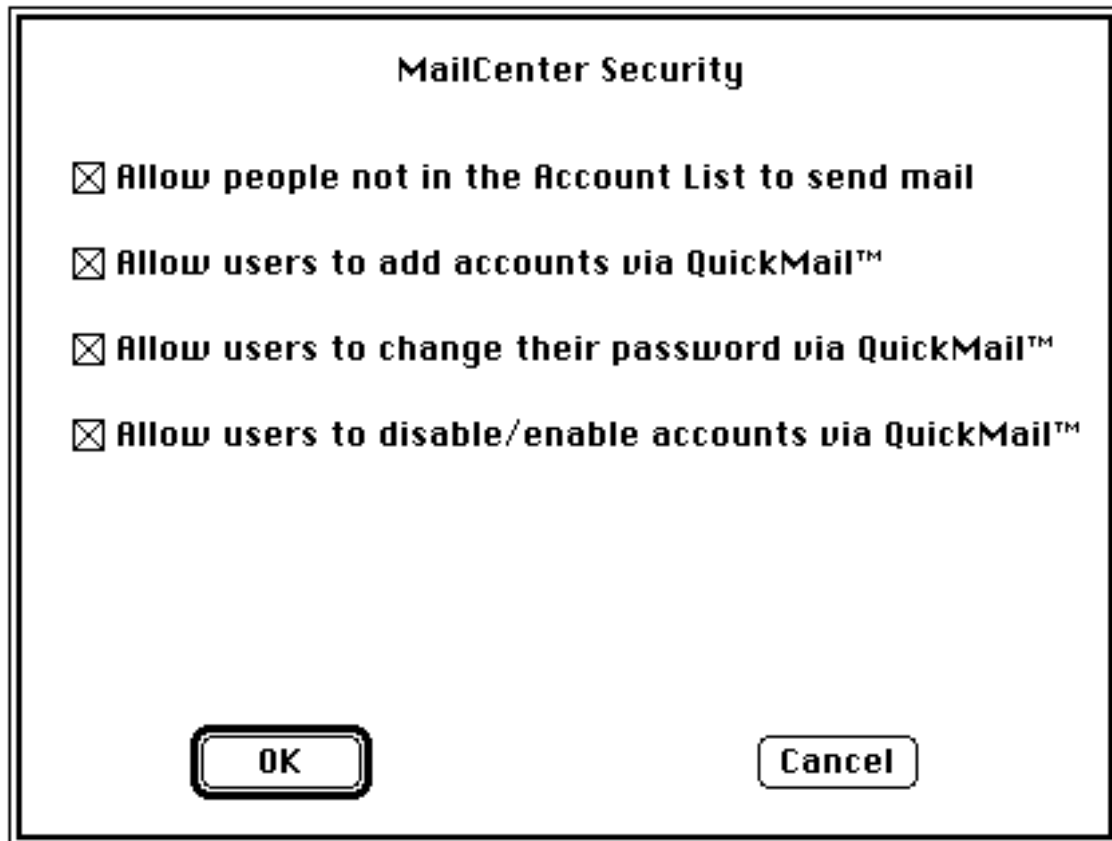
Edit Accounts	
QuickMail™ Name:	Dave Loverink
AppleLink™ Account ID:	D0048
AppleLink™ Password:	••••••
<hr/>	
<b>Send mail...</b>	<b>Receive mail...</b>
<input checked="" type="radio"/> Always send all the mail	<input type="radio"/> Always
<input type="radio"/> Only send Urgent mail during an Urgent connection	<input checked="" type="radio"/> Only during...
	<input type="checkbox"/> Urgent connections
	<input checked="" type="checkbox"/> Normal connections
	<input checked="" type="checkbox"/> Scheduled connections
	<input checked="" type="checkbox"/> Manual connections
	<input type="radio"/> Never
<b>OK</b>	<b>Cancel</b>

Remove Button: The Remove Button is used to permanently remove an account.

Disable (Enable) Button: The Disable Button can be used to temporarily disable an account. When an account is disabled, it will not be checked by the gateway. Clicking on a disabled account will change the Disable Button to Enable.

Import and Export Buttons: The Import Button can be used to import a list of accounts from a text file. Export will export the list of accounts to a text file.

Security: Clicking "Security" will bring up this dialog:



Allow people not in the Account List to send mail — This option allows only users with AppleLink accounts to send mail via the gateway.

Allow users to add accounts via QuickMail — The Account Maintenance form (described below) can be used to add new accounts to be checked by the gateway

Allow user to change their passwords via QuickMail — The Account Maintenance form (described below) can be used to change the password on an AppleLink account.

Allow users to disable/enable accounts via QuickMail — The Account Maintenance form (described below) can be used to enable and disable accounts.

Click the "OK" button.

7) Press the "Set Connect Times" button to configure when the MailCenter will connect to AppleLink.

8) Click the OK button.

## Using the Special Forms:

QM-Link can utilize two special QuickMail forms for Administrative and User functions.

### Account Maintenance:

Account Maintenance\*

Normal

Address

FILE

PRINT

SAVE

DELETE

ENCL

ENCL

OFF RECPT

SEND

From: Dave Loverink (9/22/89)


Account Maintenance\*

☒ Add Account<sup>1</sup>

☐ Change Password<sup>2</sup>

☐ Enable Account<sup>3</sup>

☐ Disable Account<sup>4</sup>



QuickMail™ Name:

Rob Kirkendall<sup>1</sup>

Account ID:

D0048<sup>1,2,3,4</sup>

Password:

TIMBUKTHREE<sup>1,2,3,4</sup>

New Password:

<sup>2</sup>

\* For proper operation, the subject must remain 'Account Maintenance\*'.  
Fill out the proper fields and send it to ANY address at the desired MailCenter.

This form is used to an Add Account, Change a Password or Enable/Disable an account.



## User ID Search:

The screenshot shows a window titled "User ID Search". At the top, there is a row of buttons: "Normal", "FILE", "PRINT", "SAVE", "DELETE", "ENCL", "ENCL", "OFF RECPT", and "SEND". Below these, there is an "Address" button and a text field containing "From: Dave Loverink (9/22/89)". The main area of the window contains a "User ID Search" button, a large circular icon with a hand cursor, and a "Search String:" label followed by a text field containing "CE Software". To the right of the text field are three checkboxes: "Contains" (checked), "Starts with", and "Exact Match". At the bottom, a note reads: "\* For proper operation, the subject must remain 'User ID Serach'."

This form is used to look-up addresses on AppleLink. When the gateway receives a User ID Search form, it will connect to AppleLink (at the next regular connect time) and get a list of addresses which match the search criteria. It will then return the list of addresses to the person requesting the search.

## Misc. Notes:

**PLEASE REMEMBER:** This is BETA software and should be treated as such. We've been using it for over two months without any problems, but as with any network software, weird things can happen.

Should you have any problems with this gateway, please contact Mike Bracewell or Dave Loverink @ D0048 on AppleLink.

### Changes from last beta:

- Corrects a problem with replies that sometimes caused a "Bad Entry" in the AppleLink MailCenter.
- Corrects a problem with sending binary files.
- User ID Search now works properly.
- If your message is sent with 'Return Receipt' ON, then the AppleLink Item Number will be returned to the Sender.