MailSender

Welcome to MailSender, the most simple application
to send pictures and/or files by emails.

Please follow the topics below to learn more.
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Why and what for?

Background: This program was made on behalf for a medical diagnostic company that operates imaging equipments.
Previously, the picture files were written to a DVD disc to be transferred to the patient. But nowadays dvd-readers are becoming less and less common, so data transmission over the Internet has come to the fore. Sending files by e-mail is a simple solution, so this method have chosen for the future.
To convert many image files to JPG format from various sources and attach them to an email with encryption and password-protection needs too many left mouse clicks. So **MailSender** was created which minimizes the effort needed to send images to customers.

The user does:
   - drop files or drawers to the program window
   - enter a password
   - enter an email address
   - press the send button

MailSender does:
- collect files according to settings
- resize picture files according to settings
- convert picture files according to settings
- create one of the following attachment type containing all files: > simple file attachment > zip compressed attachment > pdf document generated one picture file per page
- encrypt attachment according to settings
- compose the mail with subject and body according to settings
- send mail via SMTP or SMTPS protocol according to settings

The recipient does:
- get the mail
- open attachment (provide a password if it is needed)
- view files

Getting started

Installation is quite simple. MailSender is a one file program, so it can be placed anywhere on your file system. Unpack it to a drawer and run it. To use the program some information should be provided in the preferences window before the first usage. E-mail sending is done via the users's mailbox, so the default settings have to be overwritten at least with a mail server address and login information of a mailbox. The functionality can be checked without making any settings by choosing the option which pretends mail sending. In that way the program saving the composed mail to disk in the .eml format instead of sending it via network.
 The Windows(TM) version of the program starts in demo mode which is fully functional except the possibilty of saving settings. Activation can be ordered contacting the author. AmigaOS, MorphOS and other friendly systems can use the progam freely without any restrictions.

Requirements

AmigaOS/MorphOS/AROS versions:
- Kickstart 3.0 (V39) - 68020+ or PowerPC
- codesets.library on AmigaOS 3 and 4, WarpOS, and AROS
- charsets.library on MorphOS
- requires MUI 3.8 or better; using MUI 4 (or better) is highly recommended, though! - requires TextEditor.mcc

Windows version:
- requires at least Windows XP

macOS version:
- arm64 version: requires at least macOS 11.0 (Big Sur)
- Intel version: requires at least macOS 10.9
- PowerPC version: requires at least macOS 10.5

Linux version:
- requires an X11 server and glibc
- requires GTK+ 2 or GTK+ 3, depending on which version of RapaGUI you use (for most architectures, RapaGUI is available in a build for GTK+ 2 and GTK+ 3)

The Main Window

This window opens after program start. A menu can be reached here with some options and at the first run it is recommended that the Settings/Preferences menu item should be choosen to set the required parameters for the program.
 The center of the window is a drag & drop field where file or drawer icons can be dropped from the Workbench/Desktop. That action adds items to the list. These files will be processed for the mail attachment. So that files will be sent by e-mail.
 The picture files are shown with a thumbnail image and file name without extension. The other files has got a "NON IMAGE" sign in the place of the thumbnail. The list can be managed with a local menu which can be accessed by a right mouse click hovering the list. There is an option for removing the selected file and another for clearing the list.
 Below the list there is an optional password field which is used to protect the data on various attachment types. More on this in the settings page.
 The most important field of course is the recipient's email address. This field is mandatory and has a syntax checking.
 The send button starts the operation which takes some time depending on the selected files/options. The progress can be seen in a separate window. Currently there is no option to cancel operation. This button does nothing if the email address is incorrect syntactically.
 There is an activity log panel at the right which can be show/hide with the ettings/ View mail log menu item. This list shows the date, address, and number of attached files information of the sent mails. The Clear Log button can delete current log entries. To keep the program window small and simple this panel is automatically closing after the Send button is pressed.

Settings

There is a lot of options that can be set to personalize the program's behaviour. These are separated in four main area which are described in the links below.

General   Mail   Mailbox   Packaging

To manage the settings, the following functions can be used:

Save
Save the current settings to disk and activate them. The next time the program is started, these settings will be the default. The settings are stored by the operating system. On Windows(TM), the settings are stored in the registry. On Amiga systems, the settings are stored in ENVARC:
> Since there is no installer/uninstaller for this program, uninstalling the program will leave the settings on the disk. To remove the settings from the system, use the Remove settings function in the General settings panel before the program file is removed.

Use
The current settings will be active while the program runs without saving. The next program start will use the last saved settings instead.

Restore
Reload the last saved settings overwriting the current ones.

General settings   Mail   Mailbox   Packaging

Thumbnail width
This is define the thumbnail preview image size in the main window's attachment list gadget.

Silent selection limit
 If the number of files dropped to the attachment list gadget exceeds this limit then a warning message will displayed with number of files and all combined file size information. That combined file size could be larger than the final attachment size according to other settings.

Log activity
 If this gadget is selected, the date, the recipient's address and the number of attached files information is logged for every sent mail. This activity list can be viewed by turning on the Log panel in the Settings/View mail log menu item.

Attach only image files
 If this gadget is selected MailSender will ignore non picture files. The program can recognizes the following picture formats: BMP, JPEG, IFF ILBM, PNG, GIF, TIFF (and every other supported by DataType System on Amiga).

Convert images to JPEG
 If this gadget is selected then MailSender convert every picture file to JPEG format automatically for the attachment. For most cases this makes the smallest file size.

JPEG Quality
 Because JPEG format has scalable quality and file size ratio, here can be set its value. 100 is the best quality, 10 is the smallest file size.

Maximize image size
 Turns on/off automatic image resize.

Max width / Max height
 Image resize will happen if the original picture is larger than the given size. Aspect ratio will be kept.

MUI Preferences
 This button invokes the MUI Preferences where customized GUI settings can be done.

Remove settings
 Pressing this button will remove all saved settings. After this the Windows(TM) version will set back to Demo mode and cannot save settings again until activated. Use this function only before removing the program file itself and not wanted to use it anymore.

General   **Mail settings**   Mailbox   Packaging

It is a design choice that the actual email subject and message body is hidden here in the settings, because MailSender is focusing on a task where several different files should be sent by mail based on a template.
 Message subject is encoded according to RFC2045. This is guarantee that non ASCII characters can display correctly at the receiver.

FROM
The sender's e-mail address. This will be the address where the recipient can send reply.

BCC
An address for a blind copy of the mail. Currently this is not really blind, so the recipients can see this address too. Because MailSender does not store any sent mail this address can be a backup address of the user to store the sent mails.

SMTP server
The mail server address from the user's ISP or website provider. It can be a normal server or SSL secured. It is mandatory to include the protocol name before the address or domain name.
For example: smtp://mail.mydomain.biz   smtps://mail.freemail.hu
Authentication is only password based. Currently OAUTH login is not supported, so Gmail server can't be used.

Port
The port number for the SMTP server (0-65535). Originally was 25, later 587 and 465 for the secure connection. It can be obtained from the server administrator.

User name / Password
A valid login information on the given SMTP server. Usually the login information of the FROM address.

Pretend to send
Turning on this switch prevents to really send the mail. MailSender compose the mail with attachment and let the user to save it as a file. The file format is the general eml mail format and can be imported to any mail application.

Test
Send a test message to a given mail address with the current mailbox settings. If the test message reach the incoming folder of the given email address the settings are correct and the program main functions will be useable. On Amiga platforms, a detailed log window will shown at testing which helps to find possible problems.

General   Mail   Mailbox   **Packaging settings**

This settings panel is all about the mail attachment. There are three different options for the type of attachment.

1. Files All the selected attachment files are included in the mail in separate file attachments. The picture files could be modified according to the general settings panel.

2. ZIP archive All the selected attachment files are packed into one ZIP archive and that archive will be the mail attachment.

3. PDF document A PDF document file will be created for the selected picture files, one image per page. Other files are attached as simple file attachment.

Packaging type   The active package type.

Package file name The attached file name for the package.
ZIP settings:

Encryption If the main page password gadget has a given password, then the zip file will be encrypted with the selected algorithm. Unfortunately opening the file attachment encrypted with these algorithm are not supported on the Windows(TM) and Amiga platforms without 3rd party software.

Compression Active compression algorithm for ZIP archive, or uncompressed archive.
PDF settings

Owner password In order to password protect a PDF file two paswords should be provide. The owner password and the user password. If there is no owner password set here, the user password set in the main page is ignored at mail composing.

Page size The predefined document page sizes.

Orientation Page orientation.

Resolution Image resolution in DPI (Dots Per Inch). 300 DPI is enough for quality printing. Lower resolution creates smaller file sizes.

**Please use the following options to
send opinions, report problems or want to activate the demo version**

Web: www.kezdobetu.hu/software
E-mail: info@kezdobetu.hu, zoltaanlaazi@gmail.com
SMS/RCS: +36702115830

Current limitations of MailSender 1.03

- No OAUTH authentication. So Gmail SMTP servers can't be used.
- No BCC. The address in the BCC field can be seen for the recipient.
- File processing can't be cancel.

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