

QSL Card Creator – Version 12.0  
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PriKey	Callsign	ContactDate	ContactTime	Band	Mode	QSOFlags	RST_Sent	Frequency	Power
7395	VE3THR	2022/11/02	18:40:00	20	SSB	MBEQL	59	14.272	100
7396	KT3T	2022/11/02	19:25:45	10	FT8	MBEQL	+06	28.075296	100
7397	N1ET	2022/11/04	00:17:00	10	SSB	MBEQLC	59	28.075296	100
7398	AI4FR	2022/11/04	00:33:45	30	FT8	MBEQL	+08	10.136758	100

Record Count: 15401 Selected: 1

Send E-Mail Search for Callsign: Search Comment: Default Exclude sent already Select Card Sync DB

**N1ET**  
Robert J. Simoneau  
21 Alden St.  
Johnston, RI 02919  
United States  
E-mail Address  
robertsimoneau1955@gmail.com

QRZ DATA

Aliases: KA3WLV  
DXCC: 291  
First Name: ROBERT J  
Last Name: SIMONEAU  
Addr1: 21 ALDEN ST  
Addr2: JOHNSTON  
State: RI  
Zip: 02919  
Country: United States  
Ccode: 271  
Lat: 41.815515  
Lon: -71.473065  
Grid: FN41gt  
County: Providence  
Fips: 44007  
Land: United States

ITU-8 CQ:5 Grid:FN41gt Providence County LICW #2580 SKCC #26064 I# #6100002467

Confirming QSO With	Year	Month	Day	UTC Time	Band	Report	Mode
N1ET	2022	11	04	00:17	10m	59	SSB

73, Thanks for the QSO. I hope to meet you further down the log.

Formerly KA3WLV

This program was developed to assist me in confirming my QSO contacts on amateur radio. It can interface with either the N3FJP Amateur Contact Log (ACL), Ham Radio Deluxe (HRD – Access and SQLite Versions), or Log for Old Men (Log4OM) and automatically maintain a record of QSO confirmation emails. The application also allows for the import of standard ADIF files from other loggers, annotating in its database which contacts have been sent QSL cards by this program. Each ADIF import is appended to the application's database. When the ADIF - Amateur Data Interchange Format Use ADI logging system is selected on the setup screen, two additional menu items are added to the file menu: one for importing and one for deleting all records in the application database. If all records from the ADIF database are deleted, you should have another method to determine which contacts have already received emails. The application utilizes QRZ membership features to obtain the email address of your contact for the purpose of sending an electronic copy of your QSL card.

With this release, your contacts will have the option to opt out of receiving QSOCardCreator cards by adding "NOQSOCC" or "NOEQSL" to the QSL information field on their callsign update page on QRZ.

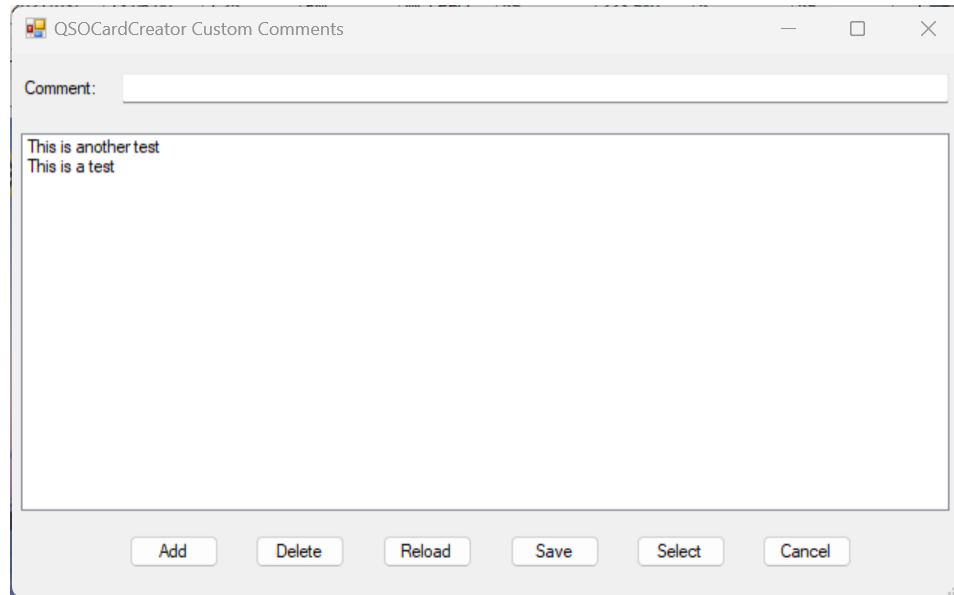
The program necessitates a QRZ account equipped with XML capabilities to retrieve email addresses. It operates optimally with either N3FJP (ACL), Ham Radio Deluxe (HRD), or Log4OM logging to monitor sent emails. ADIF files can also be utilized. The program is exclusively compatible with Windows 64-bit operating systems. If you fulfill the prerequisites, you can acquire the application by clicking the “Purchase QSOCardCreator Now” button on my website. Further information is available on my website, which is linked below. I create the background image using a template I designed in Photoshop.

You have the option to design your own card for use with this application. A JPG file with a resolution of 1800 x 1200 at 300 dpi yields the most satisfactory results, particularly when borderless printing is considered. A starter.pdf file, serving as a template, is provided within the program directory. Each graphic QSO file must be accompanied by a configuration file with a .icf file extension. The file format is outlined later in this documentation. The configuration file contains the font, font size, styling, and the x, y coordinates of the contact data (4). The program allows for the positioning of contact data around the image, but the image must be present. The .icf file enables three (3) free-style text (FST) entries, along with settings for the font, font size, font color, and X, Y coordinates for the text on the image. If the FST, or any other field, is not intended to be printed on your image, set the X coordinates to zero (0). For instance, if your card uses frequency but not band, send BAND\_X:0 in the image configuration file, and the band will not be printed. I have a template for Photoshop that I use to create images. If you require assistance in creating an image, please seek out a high-resolution public domain image and send it to me. I will create the image for you. While the program setup may be somewhat challenging, once it is operational, it becomes straightforward. Once you have installed the program on your machine, I can provide you with a comprehensive overview of its functionality.

The program marks the sending of the QSO card by placing an “M” in the field called fldQSLConfByS in the ACL database (N3FJP). For HRD, it sets the QSL Sent field to “Y”, QSL Sent Date to today’s date, sets the QSL Sent Via field to “E” for electronic, and sets the QSL\_VIA field to e-mail for users with a QRZ e-mail or NO e-mail for those with no e-mail at QRZ. For Log4OM users, a field called QSOFlags is added to their database, which is used to track the sending of e-mails by the application. When using ADIF imports, a SQLite database will be created, and an A backup of the database will be moved into a directory under this application’s directory. Within the program, there is a checkbox to exclude all records of previously sent QSO cards (6). This checkbox is saved in the setup file, and when checked, it will only show the contacts that have not yet sent a card. When unchecked, all contacts are shown in the grid. Double-clicking on the QSOFlags cell will allow you to change it.

The card menu provides a function to flag a record as unsent by pressing the F2 key. To mark a record as unsent, you must be on that record. Therefore, the exclude checkbox must be unchecked for you to see it. Additionally, there is an option to set the sent flag of a record without sending an email by pressing the F3 key. The send email option on the card menu performs the same function as the send button on the form. The save option on the card menu creates, but does not send, a card by email. The One Time Test Email option intercepts outgoing mail and sends it instead to the email address listed in the E-Mail for test mode field under settings. Unlike the Test Mode checkbox, no log entries are made, and it is only for that single email. You can blacklist or un-blacklist a callsign on the Cards menu. If some contact does not want your cards, you can search for their callsign and then press F8. They will be added to your blacklist. You will not be able to send to that callsign unless you remove them from the blacklist by searching for them and using F9 to remove that callsign from the blacklist. You can view who is on the Blacklist by using F12-Blacklist or clicking on that menu item on the log menu. The column headers of the grid allow for sorting of the contacts. Click on a header once to select and again to sort. Each click will change between ascending and descending order. This sort order is saved to the settings file.

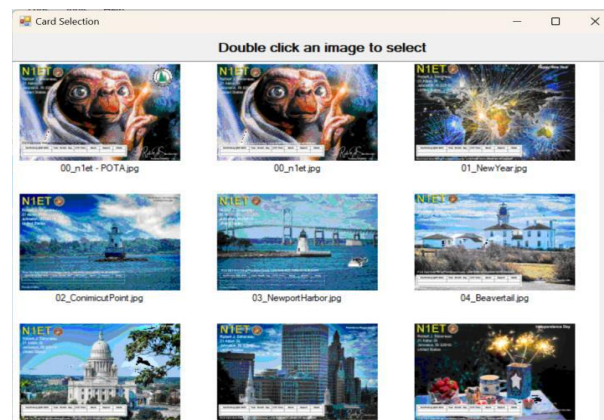
The comment pull-down menu (5) enables you to override the default comment set in the setup screen for a specific email or until the default is reselected. The override comment for the standard card should not exceed 100 characters. In fact, depending on the card font, the comment may exceed the bounds of the comment area. Please verify this before sending the card. The length of the comment field input is controlled by the MAXCOMMENTLEN line in the ICF file, and defaults to 90 characters. Additionally, there is a custom choice in this pull-down menu that will display the following form. You can type up to MAXCOMMENTLEN characters in the comment text box and press the Add button to add the text to the list. Inserting a pipe character | in the text will force a carriage return and have the comment on more than one line. Ensure your comment box can handle that extra line/lines. Selecting a line in the list and pressing the delete button will remove that line. Double-clicking on an item in the list box will populate the Comment input field and allow for editing. You can then press Add and delete the old item. You can reload the file and cancel the changes with the Reload button. The Save button makes your changes permanent. The Select button will change the card comment to the selected item and close the form. The Cancel button is in case you accidentally selected Custom. If you scroll to the right of the grid, you can see the loggers' comment field. Double-clicking on the cell will copy it to the Windows clipboard.



When Amateur Contact Log (N3FJP ACL) is open, calls are made to it, and that The program performs the record update, thereby avoiding any locking. When not open, ACL is updated just like the other loggers. For this function to work, N3FJP must have TCP API Enabled and use Port 1100. It is faster updating the records when the logger is closed.

The data button (9) will toggle and populate the information listing (11) with the data downloaded from the QRZ XML service.

The Select Card Image button (7) will show a list view of all the cards you have in the application folder, which is normally C:\Program Files\QCOCARDCreator. Double clicking on an image will load the card.



Selecting multiple rows in the grid and pressing the Send E-mail (F1) key will batch process the records. This operation is memory-intensive, so it is recommended to process only 50 records at a time. If your logger is open and actively working with FT8 or other demanding processes, the application may not be able to process the records. In such cases, re-select the records and attempt the operation again. This issue is not typically encountered if the logger is closed while running this application.

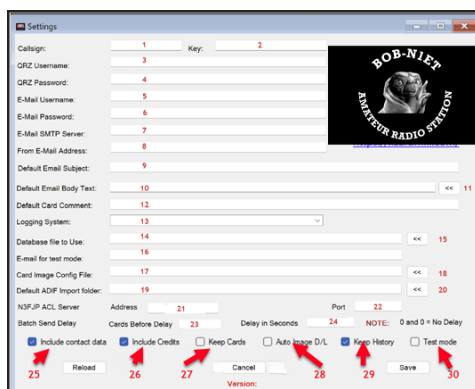
Selecting multiple rows in the grid and pressing the Bulk Clear flag on the Tools menu will batch process the records. Please exercise caution when using this option.

Selecting multiple rows in the grid and pressing the Bulk Set flag on the Tools menu will also batch process the records. Again, please exercise caution when using this option.

On the Tools menu, there is an option to Save System Files. This option will prompt you to select a location and copy the setup configuration file, blacklist, and Log to a directory named QSOCardCreatorSysFileBackup in the specified location.

The Sync DB button (8) will initiate a connection to the logging database and repopulate the grid with data. This functionality is compatible with all loggers, but it is particularly beneficial when using N3FJP, as both the logger and the program can be executed simultaneously.

The setting screen serves as the primary interface for configuring the most critical aspects of the program. This file can be edited using the settings menu or an external editor.



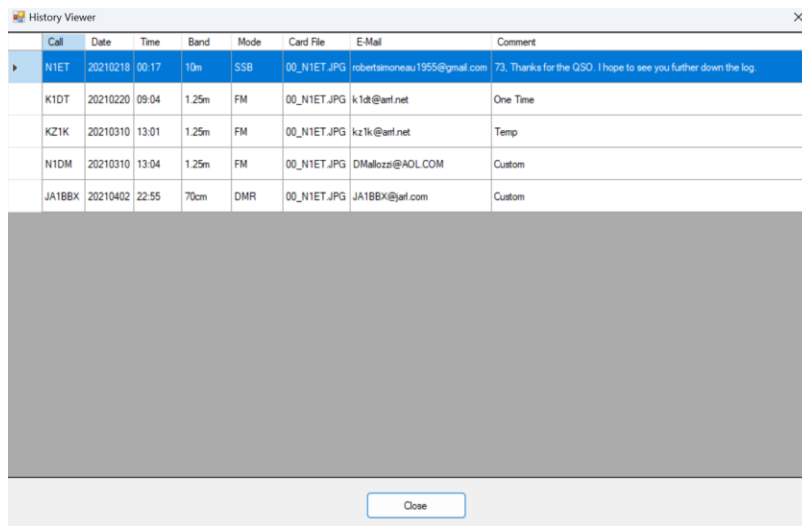
Notes:

1. Your call sign

2. The key provided with the purchase email.
3. Your QRZ username, often your callsign.
4. Your QRZ account password.
5. The username for your email account, often your email address. (e.g., robertsimoneau1955@gmail.com)
6. Your password for your email. Many SMTP servers require you to obtain a special app password. (e.g., Gmail and Verizon)
7. The SMTP server for your email account. (e.g., smtp.gmail.com)
8. Your email address for use in the "From" field of the email.
9. The default subject for the email. The text may include application variables (See below).
10. The default body text for the email. The text may include application variables (See below) and HTML tags such as <br /> for linefeeds.
11. A simple HTML viewer/editor. Do "Tools/Save system files" first.
12. The default comment for use on the card, and may include application variables (See below).
13. A dropdown list of the logging program you use:
  - a. N3FJP - Amateur Contract Log
  - b. HRD - Ham Radio Deluxe
  - c. Log4OM - Log for Old Men
  - d. ADIF - Amateur Data Interchange Format
  - e. HRD v6.9 - SQLite
14. The database file to use for the application.
15. A button to open a file dialog to locate the database file.
16. The email address to send mail when in test mode (See below).
17. An image configuration file.
18. A button to open a file dialog to locate the image configuration file.
19. The default ADIF import folder.
20. A button to open a file dialog to select the default ADIF folder.
21. The N3FJP server address.
22. The N3FJP port number.
23. How many cards should be sent between delays?
24. How many seconds of delay should be between groups of cards in a batch? This is necessary for some ISPs to prevent spam alerts. Set both 23 and 24 to zero for no delay when using batch mode.
25. Check the box to include contact information in the body of the email sent.
26. Check the box to include a credit link to my website in the body of the email sent.
27. Check the box to keep sent cards. If unchecked, the QSOCards directory is cleared on startup. Files are saved in the appdata/QSOCardCreator/QSOCards directory in your document folder.

28. Check the box to automatically save the QRZ image as you move through the contact grid. Files are saved in the QSOCardCreator/QRZ\_Images directory in your document folder.
29. Keep History. This will create a CSV file containing all the contact information used. You can view this from the Tools menu.

If you want to avoid sending the same card to the same contact. If you Choose Tools/View History after turning on this check box, you will get A screen looking like that shown below.



The screenshot shows a window titled "History Viewer" with a table of contact history. The table has columns: Call, Date, Time, Band, Mode, Card File, E-Mail, and Comment. The data rows are as follows:

Call	Date	Time	Band	Mode	Card File	E-Mail	Comment
N1ET	20210218	00:17	10m	SSB	00_N1ET.JPG	robertanoneau1955@gmail.com	73. Thanks for the QSO. I hope to see you further down the log.
K1DT	20210220	09:04	1.25m	FM	00_N1ET.JPG	k1dt@aol.net	One Time
KZ1K	20210310	13:01	1.25m	FM	00_N1ET.JPG	kz1k@aol.net	Temp
N1DM	20210310	13:04	1.25m	FM	00_N1ET.JPG	DMallozzi@AOL.COM	Custom
JA1BBK	20210402	22:55	70cm	DMR	00_N1ET.JPG	JA1BBK@jaf.com	Custom

Below the table is a large grey rectangular area, and at the bottom center is a "Close" button.

1. Select the checkbox to enable test mode, which will produce the following outcomes:
2. All actions within the program will be logged into a file named LOG.TXT, which is located within the application folder, and can be viewed using the Logs/View menu item.
3. The emails will be intercepted just before they are sent, and the recipient address will be modified to the address specified in item 14 above.

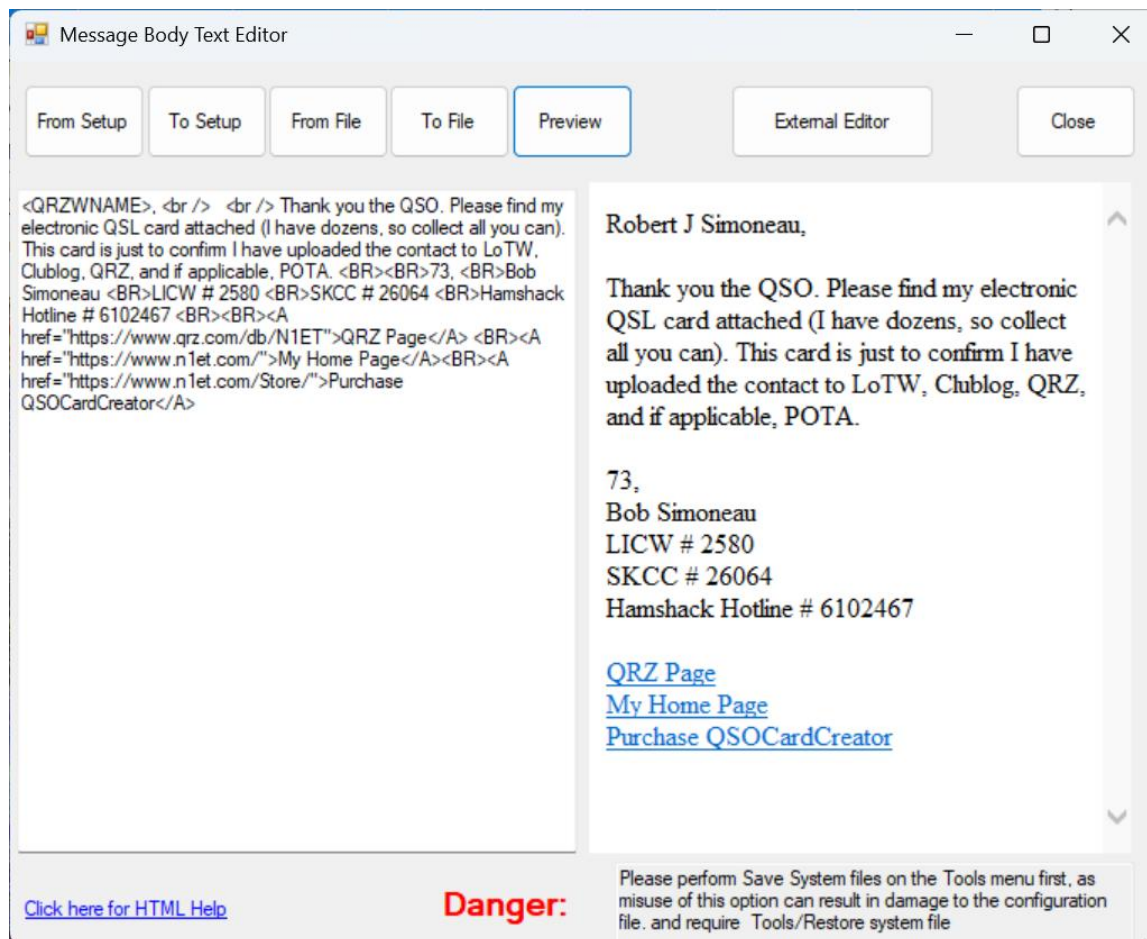
**\*\*Note:\*\*** There are twenty-two (22) variables that can be utilized in The Default Email Body Text, Default Comment Field, Free Style Text fields, and Default Subject, which will be replaced during the sending of the email. They are as follows:

- <QRZCALL> - Replaced with contact's callsign
- <QRZLNAME> - Replaced with contact's last name
- <QRZFNAME> - Replaced with contact's first name
- <QRZWNAME> - Replaced with contact's first name and last name
- <QRZSTATE> - Replaced with contact's state

<MYCALL> - Replaced with your call  
<THEIR\_PARK> - Replaced with their park (SIG\_INFO)  
<YOUR\_PARK> - Replaced with your park (MY\_SIG\_INFO)  
<THEIR\_GRID> - Replaced with their grid location  
<YOUR\_GRID> - Replaced with your grid location  
<COMMENT> - Replaced with the comment field from the logger  
with a default length of 80. This can be overridden  
by adding MAXCOMMENTLEN:XX to the bottom  
of the ICF file and replacing XX with the allowed  
length proportional to the size of the comment  
block on your card.  
<MONTH> - Replaced with the month of contact.  
<DAY> - Replaced with the day of contact.  
<YEAR> - Replaced with the year of contact.  
<TIME> - Replaced with the time of contact.  
<BAND> - Replaced with the band of contact.  
<MODE> - Replaced with the mode of contact.  
<RSTR> - Replaced with RST received during contact.  
<RSTS> - Replaced with RST sent during contact.  
<FST1> - Replaced with FST1 from ICF File.  
<FST2> - Replaced with FST2 from ICF File.  
<FST3> - Replaced with FST3 from ICF File.  
<FREQ> - Replaced with the frequency used for contact.  
<PWR> - Replaced with the power used for contact.

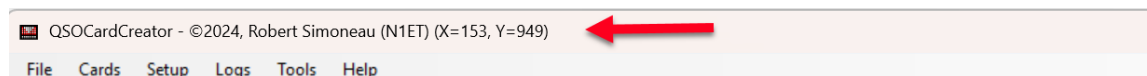
Note: Items can be combined. For instance, <QRZFNAME>, <br /> <br />  
<QRZFNAME> Thank you for the QSO. This can be used in the email body as it  
is in HTML format. In the free-style test fields, an example would be: Thank you  
<QRZFNMANE> for your QSO card.



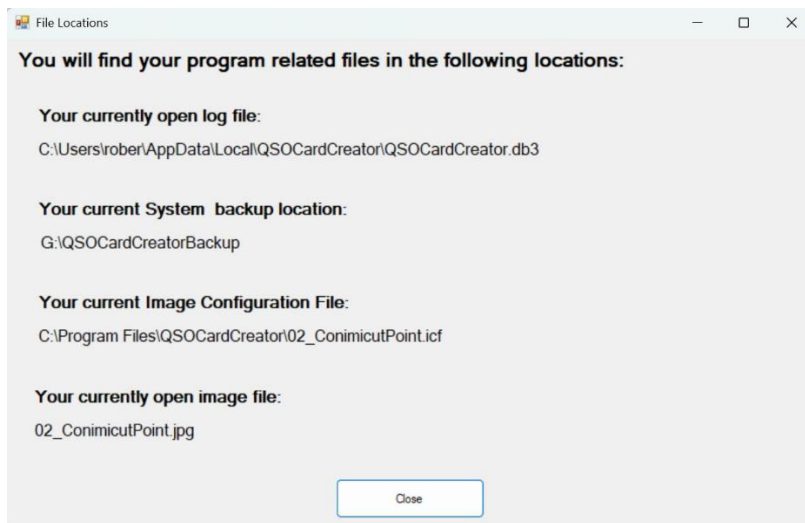


## Card Creation Assistance

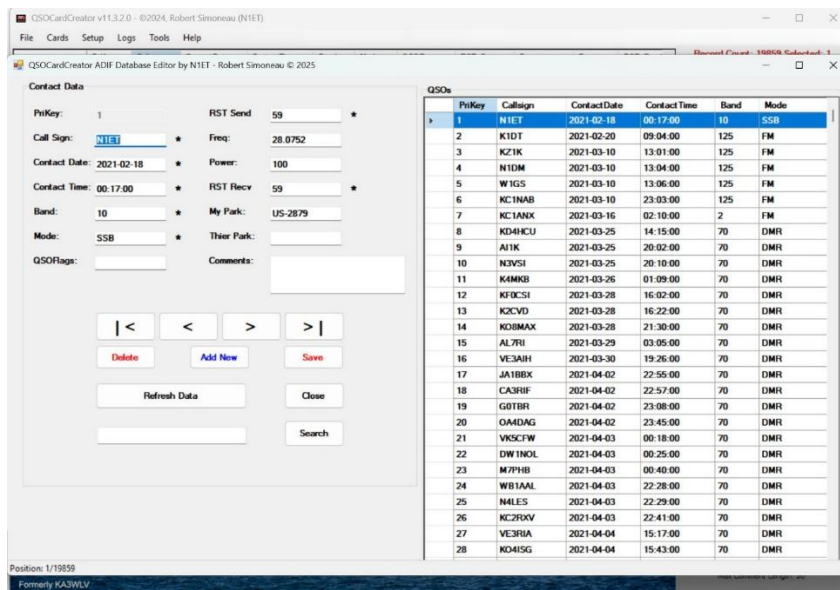
The code from the program QSOCardLayout has now been incorporated into QSOCardCreator. If you click the mouse anywhere on the card image, then the X,Y coordinates of that position will show on the Window title.



## Show File Locations



## ADIF Database Editor



## Menu Structure

### File

Import/Append ADI file

F10 Only available if logging program is set to ADIF - Amateur Data Interchange Format.

ADIF database editor		Only available if logging program is set to ADIF - Amateur Data Interchange Format.
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Clear all imported ADI records	F11	Only available if logging program is set to ADIF - Amateur Data Interchange Format.
Show file Locations		Shows the current files in use by the Application.
Exit		Exit application

### Cards

Send E-Mail	F1	Send an e-mail based on the row selected in the grid
Clear sent Flag	F2	Removes the e-mail sent indicator
Set sent Flag	F3	Sets the e-mail sent indicator
Save...	F4	Saves the current QSO card for use elsewhere
Print Card		Send card to Windows Print Utility.
One Time Test E-Mail	F5	Intercept this one e-mail and send to tester
Manually enter email address	F6	Allow input of e-mail address to send current card.
QRZ DATA	F7	Turn on showing of QRZ data.
Add current record to blacklist	F8	The highlighted record added to blacklist
Delete current record to blacklist	F9	The highlighted record removed from blacklist

### Setup

### Enters setup form

### Logs

Clear	Ctrl	F10	Clears the debug log (LOG.TXT)
View	Ctrl	F11	View the debug log (LOG.TXT) created
Blacklist	Ctrl	F12	Shows contents of blacklist file.

### Tools

Save system files		Backup of Setup, Blacklist, Database, ICF, card and Comment files.
Restore Setup File		Return setup to last Save System Files
Edit Message body		Change, load and save new msg body.
Black list maintenance		Manually add or delete from blacklist
Bulk set flag		Set the sent flag for multiple selected records
Bulk clear flag		Clear the sent flag for multiple selected records

View History

Shows the history file if the checkbox  
Labeled kept history is checked.

## Help

QSO Flag Legend

What the different codes in the  
QSOFlags mean

Manual

Show this help file

Check for Update

Check the website for a newest version.

Website

Takes you to my website

About

Show version you are running.

## Card image configuration file Layout

IMAGEFILE:default.jpg  
CALLSIGN\_PAD:12  
MONTH\_PAD:2  
DAY\_PAD:2  
YEAR\_PAD:4  
TIME\_PAD:4  
BAND\_PAD:5  
MODE\_PAD:12  
RST\_PAD:4  
INFOFONT:Calibri  
INFOFONTSIZE:18  
INFOFONTSTYLE:BOLD  
INFOFONTCOLOR:BLACK  
CALLSIGN\_X:40  
CALLSIGN\_Y:800  
MONTH\_X:255  
MONTH\_Y:800  
DAY\_X:340  
DAY\_Y:800  
YEAR\_X:415  
YEAR\_Y:800  
TIME\_X:540  
TIME\_Y:800  
BAND\_X:670  
BAND\_Y:800  
MODE\_X:790  
MODE\_Y:800  
RST\_X:1005  
RST\_Y:800  
COMMENT\_X:220  
COMMENT\_Y:840  
FST1:  
FST1\_X:0

FST1\_Y:0  
FST1\_FONT:Calibri  
FST1\_FONT\_SIZE:48  
FST1\_FONT\_STYLE:BOLD  
FST1\_FONT\_COLOR:YELLOW  
FST2:  
FST2\_X:0  
FST2\_Y:0  
FST2\_FONT:Calibri  
FST2\_FONT\_SIZE:18  
FST2\_FONT\_STYLE:BOLD  
FST2\_FONT\_COLOR:BLACK  
FST3:  
FST3\_X:0  
FST3\_Y:0  
FST3\_FONT:Calibri  
FST3\_FONT\_SIZE:18  
FST3\_FONT\_STYLE:BOLD  
FST3\_FONT\_COLOR:BLACK  
FREQ\_X:0  
FREQ\_Y:0  
PWR\_X:0  
PWR\_Y:0  
RSTR\_X:0  
RSTR\_Y:0  
THEIR\_PARK\_X:0  
THEIR\_PARK\_Y:0  
YOUR\_PARK\_X:0  
YOUR\_PARK\_Y:0  
THEIR\_GRID\_X:0  
THEIR\_GRID\_Y:0  
YOUR\_GRID\_X:0  
YOUR\_GRID\_Y:0  
MAXCOMMENTLEN:90  
G:\

This is the actual image to use

Number to pad the callsigns to assist in centering within the box

Number to pad the month to assist in centering within the box

Number to pad the day to assist in centering within the box

Number to pad the year to assist in centering within the box

Number to pad the time to assist in centering within the box

Number to pad the band to assist in centering within the box

Number to pad the mode to assist in centering within the box

Number to pad the RST data to assist in centering within the box

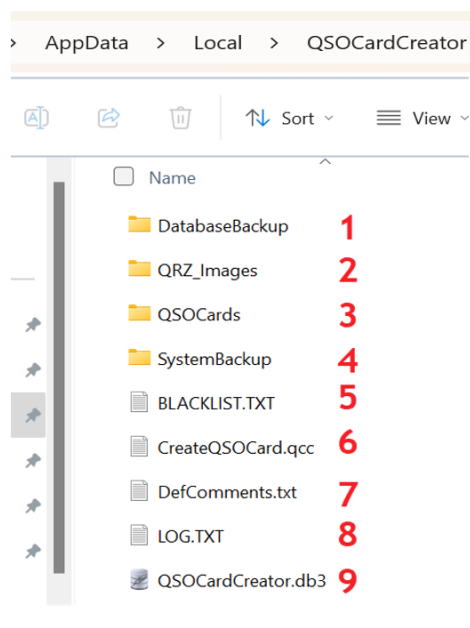
Font name to use in the data section of the card

Font size to use in the data section of the card  
Font style in the data section of the card (REGULAR, BOLD, ITALIC, or BOLD+ITALIC)  
Font color (BLACK, YELLOW, WHITE, RED, BLUE, GREEN, OR Hex RGB Color code (Ex. #FFFFFF for white, #000000 for Black))  
Horizontal point position for the callsign  
Vertical point position for the callsign  
Horizontal point position for the Month  
Vertical point position for the Month  
Horizontal point position for the Day  
Vertical point position for the Day  
Horizontal point position for the Year  
Vertical point position for the Year  
Horizontal point position for the Time  
Vertical point position for the Time  
Horizontal point position for the Band  
Vertical point position for the Band  
Horizontal point position for the Mode  
Vertical point position for the Mode  
Horizontal point position for the RST  
Vertical point position for the RST  
Horizontal point position for the Comment  
Vertical point position for the Comment  
Free style Text 1 – Ignored if blank  
Horizontal point position for Free style Text 1  
Vertical point position for Free style Text 1  
Font name to use for Free style Text 1  
Font size to for Free style Text 1  
Font for Free style Text 1 (REGULAR, BOLD, ITALIC, or BOLD+ITALIC)  
Font color for Free style Text 1 (BLACK, YELLOW, WHITE, RED, BLUE, GREEN, OR Hex RGB Color code (Ex. #FFFFFF for white, #000000 for Black))  
Free style Text 2 – Ignored if blank  
Horizontal point position for Free style Text 2  
Vertical point position for Free style Text 2  
Font name to use for Free style Text 2  
Font size to for Free style Text 2  
Font for Free style Text 2 (REGULAR, BOLD, ITALIC, or BOLD+ITALIC)  
Font color for Free style Text 2 (BLACK, YELLOW, WHITE, RED, BLUE, GREEN, OR Hex RGB Color code (Ex. #FFFFFF for white, #000000 for Black))  
Free style Text 3 – Ignored if blank  
Horizontal point position for Free style Text 3  
Vertical point position for Free style Text 3  
Font name to use for Free style Text 3  
Font size to for Free style Text 3  
Font for Free style Text 3 (REGULAR, BOLD, ITALIC, or BOLD+ITALIC)  
Font color for Free style Text 3 (BLACK, YELLOW, WHITE, RED, BLUE, GREEN, OR Hex RGB Color code (Ex. #FFFFFF for white, #000000 for Black))

Horizontal point position for Frequency (Set X value to 0 to ignore)  
Vertical point position for Frequency  
Horizontal point position for Power (Set X value to 0 to ignore)  
Vertical point position for Power  
Horizontal point position for RST Rec'd (Set X value to 0 to ignore)  
Vertical point position for RST Rec'd  
Horizontal point position for your POTA Park (Set X value to 0 to ignore)  
Vertical point position for your POTA Park  
Horizontal point position for Their POTA Park (Set X value to 0 to ignore)  
Vertical point position for Their POTA Park  
Maximum length of record comment allowed.  
Backup Location

### **File Structure for QSOCardCreator**

C:\Program Files\QSOCardCreator contains the application files and usually the image and icf files. The programs data files are stored in the users AppData Local directory.

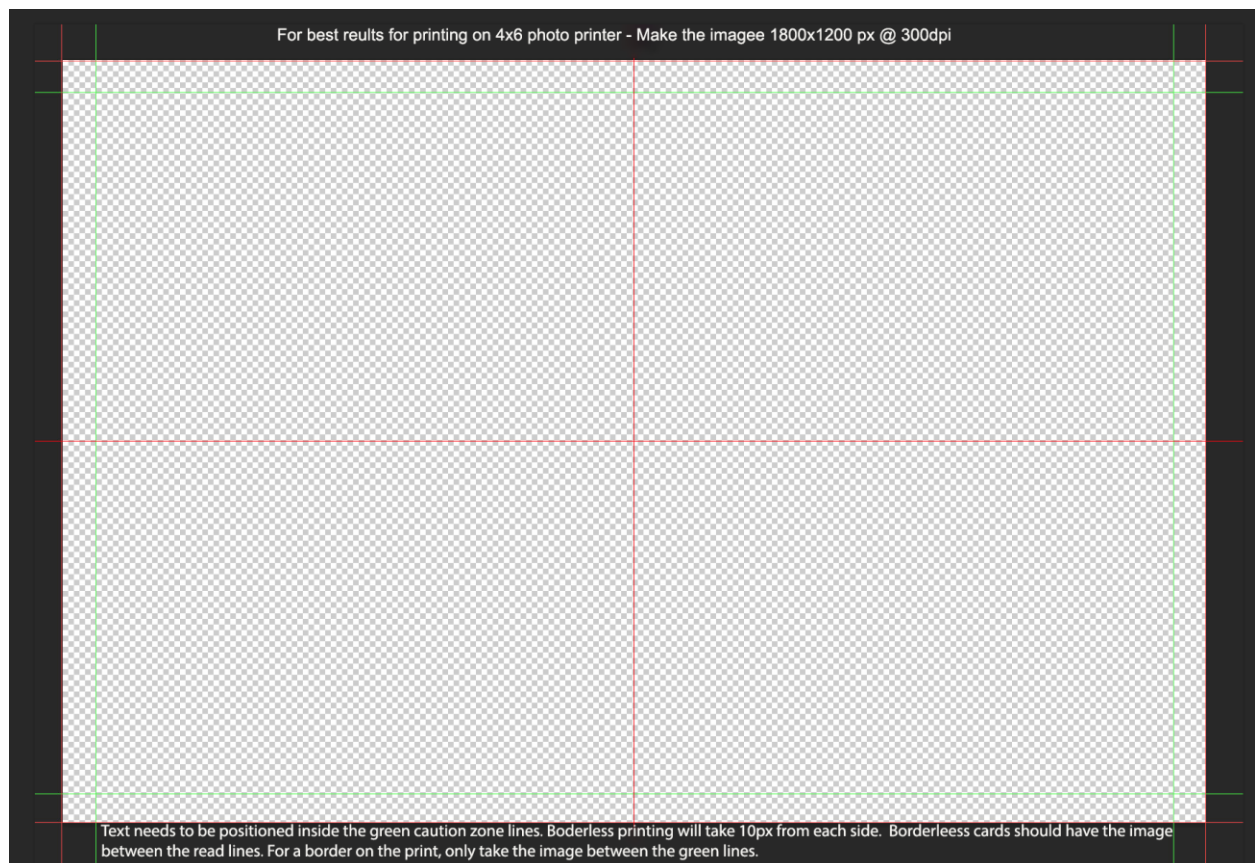


1. Each time the application is started, a copy of the database is moved into this folder for safety. **Note:** Overwritten each time.
2. QRZ images are saved to this folder while moving within the grid with Auto Image D/L checked or right clicking the image on the top right of screen.
3. Sent cards are kept here while the application is running. **Note:** Folder is emptied on application start unless Keep Cards is checked
4. When Save System Files is chosen on the Tools Menu, all important files are copied to this folder for safety. Overwritten each time.
5. Blacklist of contacts who request not to get e-mails.

6. The configuration file for the application. **Note:** Extremely important file, backed up with System Files is chosen on the Tools Menu.
7. Where custom comments are stored.
8. When in test mode all actions are recorded to this file as well as any errors with or without test mode selected.
9. When you switch to ADIF in the setup file for the first time, a Sqlite database called QSOCardCreator.db3 is created in your appdata/QSOCardCreator folder. You can then rename and relocate the file and select that database in the Setup Database file to use field. Unlike the other Logging systems which have their database, one has to be created. If running in ADIF database mode this file is created, and you can import the ADIF file for use.

## **Printing cards**

The secret to a nice printing card is good design work. If your printer can do borderless, then the components of the card will need careful placement and distance from the edges. The image should be 1800px by 1200px at a resolution of 300 dpi.



Noting the illustration above, the image should fill in the center to the red lines. All text should remain within the green lines. Use the Starter.psd file included in the program directory as a template.



## Troubleshooting

The most challenging aspect of setting up the application is configuring the email server. You must identify the appropriate SMTP client, username, and password. Several SMTP servers necessitate application passwords due to two-factor authentication.

Time Warner (Twc.com): Utilize your web login username and password.

Verizon (Fios): Use your email address and password.

AOL (Aol.com): Use your email address and application password. Refer to <https://help.aol.com/articles/Create-and-manage-app-password> for further instructions.

Yahoo (Mail.yahoo.com): Use your email address and application password.

Google Mail (gmail.com): Use your full email address and web login password. Ensure that Google is set to “Less secure apps” under [myaccount.google.com](https://myaccount.google.com).

Google Mail (gmail.com): With two-factor authentication enabled, use your email address and application password. Refer to the provided link for further details.

### Example: Creating and Using App Passwords (Required for Gmail)

If you encounter a “password incorrect” error during login when using two-factor authentication, you can attempt to use an application password.

#### Steps:

1. Access your Google Account.
2. Navigate to the Security section.
3. Under “Signing in to Google,” locate the option for two-factor authentication.
4. Click the right arrow next to “2 Step-Verification” and scroll down to “App Passwords.”
5. Click the right arrow again to access the application password settings.
6. You may need to log in to complete this process.

#### Possible Reasons for the Absence of the Application Password Option:

- Two-factor authentication is not configured for your account.
- Two-factor authentication is only configured for security keys.
- Your account is associated with a work, school, or other organization.
- Advanced Protection has been enabled.

In the designated box, type “QSOCardCreator” and press the “Create” button.

You will receive a 16-character password. Select it and press “Ctrl-c” to copy it.

Tap “Done.”

Paste the copied password into the “Setup Screen” field labeled “E-mail password.” (Ensure that there are no spaces between each four characters.)

Tip: Typically, you will only need to enter an App Password once per app or device, so there is no need to memorize it.

Error 403 – Forbidden

<https://www.howtogeek.com/357785/what-is-a-403-forbidden-error-and-how-can-i-fix-it/>

If you are having trouble with QRZ passwords, it is often that you are using a password manager and/or password generator, and there are several characters that cause problems in QRZ passwords. Such as those below:

Reserved Characters	: / ? # [ ] @ ! \$ & ' ( ) * + , ; =
Unsafe Characters	space < > { }   ` ^ \

If you are using N3FJP ACL and get occasional errors of locked indexes during batch mode, in ACL go to Setting refresh rate interval, and lower the interval time. Mine is set to 5.

#### Version History

- Version 1 - For Use with N3FJP - Amateur Contact Log
- Version 2 - Added use for HRD - Ham Radio Deluxe
- Version 3 - Added QRZ data display
- Version 4 - Misc. bug fixes
- Version 5 - Added ADIF file import and use for those without the supported loggers.
- Version 5.1 - Added user requested Free Style Text variables to image configuration file. (.icf)
- Version 5.2 - Added update check and notification
- Version 5.3 - Fixed missing band field on card when using ADIF
- Version 5.4 - Added use of QRZ variables in the default comment field as requested by user.
- Version 5.5 - Allows the photos and icf files to be located in any directory on the computer, not just in the application directory. This was a user request.
- Version 5.6 - Changed to new install/update system. Now one file for both tasks, with your settings-maintained safety.
- Version 5.7 - Changed the program method of updating the Ham Radio Deluxe database. Instead of a "M" being added to COL\_USER\_DEFINED\_8 field, which is also used for antenna under the system tab, now the "N" in the COL\_QSL\_SENT field is changed to "Y", a date is added to COL\_QSLSDATE, and a "E" for electronic is added to the COL\_QSL\_SENT\_VIA field. The grid column header sort settings are now maintained when setup is used, or the grid is refreshed.
- Version 5.8 - Added Power and frequency to the image control file, as well as making it so that any element in the icf with a X coordinate is not printed on

your card. If you use frequency and don't want band to print set  
BAND\_X:0

Version 5.9 - Fixed a problem with QSO Sent header for HRD during record search.  
Added a credits line to the message body, controlled by a check box  
under setup.

Version 6.0 - Auto settings update. Now a change to the database choice or image  
configuration file is immediately enabled.

Version 6.1 - User requested temporary card comment input.

Version 6.2 - User requested RST Received data for cards. Frequency and Power  
entries were also added. You can open your .icf file with any text editor  
and add the following at the bottom of the file. Remember to leave  
the X values at zero (0) to avoid printing on the cards.

Version 6.3 - User requested additional font color support. In addition to standard  
colors, RGB hex codes can be used for INFOFONTCOLOR,  
FST1FONTCOLOR, FST2FONTCOLOR and FST3FONTCOLOR  
in the Image Configuration File (ICF).

Version 6.4 - Fixed problem with search function on ADI data sources.

Version 6.5 - Speedup e-mail send process. QRZ Date List now allows you to click on  
one or more items and hit Ctrl key and "C" to copy to clipboard. The  
Temporary comment checkbox has been replaced with a dropdown  
containing: Default, One Time, and Temporary.

1. Default, gets the comment from the setup file.
2. One time, prompts for the input of a comment for use on just one  
mail, and returns to the default from the setup after sending the  
current e-mail.
3. Temporary prompts from an input and uses that input in every  
e-mail until you choose default again, at which point it gets the  
comment from the setup file

Version 6.6 - Fixed problem with card save function caused by last update.

Version 6.7 - F5-One time test send fixed. Added a user requested Blacklist function.  
(F8 & F9) on the Cards menu, and F12 on the Logs menu. This was  
requested by a user. If some contact does not want your cards,  
you can search for Their callsign and then hit F8 and they will be  
added to your blacklist. You will not be able to send to that callsign, unless  
you remove them from the blacklist, by searching for them and using F9 to remove that  
callsign from the blacklist. You can view who is on the Blacklist by using F12-Blacklist or  
clicking on that

menu item on the log menu.

Version 6.8 - Moved setup files from the Program files directory into the users AppData  
directory. This will allow multiple user accounts on the same computer to keep Their  
settings separate.

Version 7.0 – Added support for Logbook For Old Man (Log4OM).

Version 7.1 - User request for on-screen visual indication of your logger being open.  
Help file clarification of why you should shut down your logger while using  
QSOCardCreator.

Version 7.2 - Fixed a problem with the settings screen. Somehow a media control got placed on the form, blocked the top two input boxes.

Version 7.3 - Grid column header sort now saved in settings file (Double click header of grid to sort ascending order, click again for descending, Exclude checkbox also saved to settings file.

Version 7.4 - Fixed a problem with sorting on send.

Version 7.5 - Fixed problem with initial sort order on sort.

Version 7.6 - This version moves the log file and blacklist file to the user's directory to avoid contamination when the application is used by multiple users on the same computer. This allows each user to maintain separate configuration, blacklist, and log files. Because the program key is connected to the callsign, and the callsign prints on each e-mail, a license is required for each user.

Version 7.7 – Added a checkbox on the setup screen to allow for the keeping of cards in the QSL Cards directory. Unchecked and the cards are deleted on startup.

Version 7.8 - Batch Mode

- Program showing correct icon on taskbar with underline when open.

- Prevent multiple instances of the app running

- Tools menu to save system files. You select location.

Version 7.9 - Main screen resized to fit better on small laptop displays.

- Include contact data was not being saved correctly

Version 8.0 The email subject can now be set in the setup form.

- Ex. QSO Contact - <QRZCALL> DE N1ET

- The main form and settings form can now be maximized

Version 8.1 Fixes error: Operation is not valid because it results in a reentrant call to the setcurrentcelladdresscore function.

Version 8.2 Changes grid count display to count down from the number of records to batch during batch processing.

- Added version number to main form title bar.

- Added selected count along with grid recount count

- Added input counter for ADIF impor

- Bugs fixes

Version 8.3 Fixed an issue with ADIF database not created correctly.

Version 8.4 Worked on showing correct image sequence during batch process.

- Added user requested function to save QRZ image file by right clicking on image.

- Added user request for custom comments under the Comment pulldown on main screen.

Version 8.5 Fixed error message when G-Mail max daily limit is reached (500).

All error received during e-mail send are logged whether in test mode or not.

Fixed a problem with ADIF Input with a mode of MFSK and sub mode of FT4.

Version 8.6 When importing an ADIF File, Submode is used if not blank.

- User requested Tools/Blacklist maintenance added to allow direct input of call.

- Fixed bug where network loss could empty the setup file.

- Version 8.7 Fixed SSL/TLS error for Windows 7 Edge users.  
Lessen chance of Forbidden (403) error from QRZ  
Tools/Save System Files now backs up system files, database, icf, and card files to users Documents file in a directory called QSOCardCreatorSysFileBackup.  
Added Tools/Bulk set flag and Tools/Bulk clear flag to replace the separate utilities that were used to allow new users to mark old records as sent.
- Version 9.0 Speed increases in several areas  
Correct time on cards for Ham Radio Deluxe users  
Fixed DB sort order from setup file  
Fixed a problem with checking weather QRZ is online  
Increased Tools/Bulk set flag and Tools/Bulk clear flag speed 100 fold.  
Added <MYCALL> variable for use.
- Version 9.1 Blacklist now sorted.  
Reset no data panel after use  
Extracts Primary call from Secondary call. Example OH0/DL1FMK  
Would return data for DL1FMK
- Version 9.2 Log4OM – Contact data shown incorrectly in e-mail body.
- Version 9.3 The database record number is now appended to the card filename.  
(Ex: N1ET\_20221104\_00\_17\_10m\_SSB\_RecNum\_7397.jpg)
- Version 10.0 Added meters “m” or “cm” to band while in ADIF mode.  
Maintain grid positioning when losing and re-gaining focus on the grid.  
Added Auto Image download option.  
Maintain row positioning between functions  
Moved scattered applications all to the users document folder in a QCOCardCreator directory.  
Fixed problem with Blacklist Maintenance
- Version 10.1 Font style can now be REGULAR, BOLD, ITALIC, or BOLD+ITALIC in ICF files.  
Error trapping in Test mode has been strengthened.  
Fixed a problem with Google drive sync and your documents folder.  
Changed all internal references from robertsimoneau.com to n1et.com.  
Made speed updates to Log4OM database access.
- Version 10.2 If power is zero or blank, it will no longer be printed in the Data content section of the message body.  
Avoid import of dups from ADIF, based on call, date, time, band and mode.  
Added Select card image button to main form, the function reads your current setup to find where you store your image files and shows them on screen. Double clicking on an image will select it's ICF, display it and update your setup file to use that image. The only restriction is that both the JPG and ICF must have the same filename.  
Fixed sort error on ADIF time column.  
Outlook.com quota limit error trapped and displayed  
Added comment field to grid  
Locked Prikey and Callsign cells during grid scroll right

If comment field is too large for grid cell, a tool tip is used to display comment. Double clicking the cell will copy it to the Windows Clipboard.

- Version 10.3 Save default ADIF import folder in setup file.  
Added THEIR\_PARK and YOUR\_PARK to dup check for allow for 2fer (ADIF).  
Added THEIR\_PARK and YOUR\_PARK to ICF file for use on the card  
See ICF line additions above for new entries for POTA data  
Added <THEIRPARK> and <YOURPARK> variables  
Added My POTA Park and Your POTA Park to the Contact data in the message body, if not blank.  
Added simple HTML editor for use with the default message body text, accessible from the setup screen with a button to the right of the default message body text line.
- Version 10.4 ADIF Log users were unable to mark sent or cleared unless toggling The Exclude checkbox.  
Log4OM users have an empty grid when first starting up and have to toggle the Exclude checkbox.  
When trying to send e-mails, if a mail has already been sent, it will not resend unless you clear the sent flag. You will be notified of the number skipped.
- Version 10.5 QSOCardCreator now uses Amateur Contact Log's (ACL by N3FJP) TCP Server with local address 127.0.0.1 and Port 1100 to direct ACL To update the records for send and unsend. This removes the record Locking problems and allows QSOCardCreator and N3FJP ACL to run at the same time. **Note:** The other loggers still require the Logger closed while using QSOCardCreator. I am seeking remedies.  
Made more OneDrive friendly  
Fix Freq display on card for Log4OM
- Version 10.6 Added N3FJP ACL Server address and Port number to the Setup Screen.  
Fixed two ACL records being marked with "M" in non-batch mode.  
Back to the way Version 10.4 handled OneDrive.  
Added QSO Flag Legend to the help menu  
Now the application gives an indication for why a mail was not sent vs marking the record with an "M" to remove it from the grid. An "M" means the mail was successfully sent, "1" denotes no e-mail address is available, "2" denotes the callsign is on the blacklist, while the "3" denotes the user choose to ignore the sending by using the Set Sent Flag or Bulk sent flag.  
Added Restore Setup File to the Tools menu. This will get you back to the setup state at last use of Save System Files.  
Changed Card menu item F6 Text from Send W/O QRZ address to Manually enter email address.  
Fixed Log4OM batch mode.  
Added delay capability to setup. Set Cards to send between delays, and the number of seconds for the delay. Set for 0,0 = No delay.
- Version 10.7 Added <QRZNAME> Global of contacts First and Last name.



Removed the requirement to shut down the Log4OM logger while using QSOCardCreator.

Removed the requirement to shut down the ADIF logger while using QSOCardCreator.

Added Global variable <COMMENT> with can be used in comments and e-mail body, basically anywhere global variables can go. This will add the contents of the record comment field from your logger.

Added Maximum length field as last line of ICF.MAXCOMMENTLEN:90

See help file. Defaults to 80, if line is missing

Added global variable legend to help menu.

Added the max comment limit to the text of all comment inputs, One Time and Temporary,

Added max comment size on main screen lower right corner.

Add max and current size indicators on the custom input screen.

Fixed problem with Bulk Clear Flag.

Corrected several mis-spellings in log file.

Restrict ADIF Freq output to 3 characters pass the decimal point.

Version 11.0 Moved all data files out of the documents directory and into AppData/Local directory to permanently avoid problems with OneDrive being reinstalled on updates. Remember AppData is a hidden directory, so Explorer must be set to show hidden Files. (Only if you need to get to them).

Added a restore button to the setup screen. If you have done a Save system files from the tool menu, this will get the backup.

Removed the requirement to close HRD while using this application.

Fixed Save System Files with OneDrive installed .

Fixed clear sent flag when only top record selected

Fixed Log4OM clear flag

Fixed HRD clear flag

Added keep history to the setup screen

Added View history to the tools menu.

System backup from the tools menu also backs up

The history file (CARDSSENT.CSV). This file is delimited with

The pipe character |, and can be read into Excel

Version 11.1 Released in BETA Only

Version 11.2 Changed to allow user to set ADIF database location.

Added Edit Message body to the tools menu.

Added open, save and load from setup to e-mail body editor.

Tools/Save System Files now allows you to pick backup directory

Tools Restore Setup files – Gets your last backup setup file.

Added 13 additional GLOBALS VARIABLES from the contact and ICF Files. (See below)

Note: There are twenty-two (22) variables that can be used in The Default

Email Body Text, Default comment field, Free Style Text fields and default subject that will be replaced during the sending of the e-Mail. They are as follows: (Note: All capitals within <>)

<QRZCALL> -	Replaced with contact's callsign
<QRZLNAME> -	Replaced with contact's Lastname
<QRZFNAME> -	Replaced with contact's Firstname
<QRZWNAME> -	Replaced with contact's Firstname and Last name
<QRZSTATE> -	Replaced with contact's State
<MYCALL> -	Replaced with your call
<THEIR_PARK> -	Replaced with Their POTA Park (SIG_INFO)
<YOUR_PARK> -	Replaced with your POTA Park (MY_SIG_INFO)
<COMMENT> -	Replaced with the comment field from the logger with a default length of 80. This can be overridden by adding MAXCOMMENTLEN:XX to the bottom of the ICF file and replacing XX with the allowed length proportional to the size of the comment block on your card.
<MONTH> -	Replaced with month of contact.
<DAY> -	Replaced with day of contact.
<YEAR> -	Replaced with year of contact.
<TIME> -	Replaced with time of contact.
<BAND> -	Replaced with band of contact.
<MODE> -	Replaced with mode of contact.
<RSTR> -	Replaced with RST received during contact.
<RSTS> -	Replaced with RST sent during contact.
<FST1> -	Replaced with FST1 from ICF File.
<FST2> -	Replaced with FST2 from ICF File.
<FST3> -	Replaced with FST3 from ICF File.
<FREQ> -	Replaced with Frequency used for contact.
<PWR> -	Replaced with Power used for contact.

Note: Items can be combined. For Example: <QRZFNAME>, <br /> <br /> <QRZFNAME> thank you for the QSO. Can be used in the E-Mail Body as it is HTML format. In the Free Style Test fields, an example would be: Thank you <QRZFNMANE> for your QSO card.

Fixed an ADIF file import error on callsigns from QRZ export.

Fixed QRZ Image message to the correct directory.

Added External HTML editor to allow assistance with e-mail body edit.

Merged in the code from QSOCARDLayout. Click on the card image and the X,Y coordinates will show on the form title bar.

Fixed MAXCOMMENTLEN implementation.

Version 11.3 Fixed Backup select.

Change dates to ISO 8601 format.

Stop sending email if already sent in single mode.



- Allow different name and location for the ADIF database.
- Fixed editor not saving if called from setup screen
- Show progress while on hold during batch send.
- Fixed error when missing Sys Backup Location file.
- Added Update available message.
- Fixed FST1-FST3 to show even when no records.
- Fixed editor not saving on exit or when to setup pressed.
- Added Copy HTML to Clipboard button to external editor.
- Double clicking on QSOFlags (QSL\_Sent – HRD) grid cell allows you to change the flag.
- Fixed FST1-FST3 being converted to upper case.
- Added Print Card to card menu.
- Added main screen resizing.
- Version 11.3.1 Maintenance release to fix record/select count.
- Version 11.4 Fixed grid sort order not being saved to setup.
- Added Show file locations to the File menu.
- Added simple ADIF editor for those using that Logger system.
- Version 11.5 Fixed error in File/Show File Locations.
- Removed PriKey/RecNum from File names.
- Removed PriKey/RecNum from contact data
- Updated Copyright data.
- Removed reference to POTA in Contact data
- Contacts can elect not to receive your cards by placing NOEQL in their QSL Info field on QRZ.
- Users with NOEQL with turn the QSL DATA button text to red.
- Version 11.6 In test mode the emails will be sent to the test e-mail address
- But the true intended address is mentioned in the log.
- Reworked batch mode logic.
- Change recommended card size to 1800x1200 @ 300 for Better printing results.
- Fixed blacklist not working due to lowercase.
- Added action date to history file.
- Contacts can elect not to receive your cards by placing NOQSOCC or NOEQL in their QSL Info field on QRZ.
- Users with either phrases with turn the QSL DATA button text to red.
- Version 11.7 Parse all global variables in message body.
- Fixed minor problem with bulk clear and set functions
- Smoothed out batch send movement.
- Speed up of Bulk clear and set, particularly when logger closed,
- Check N3FJP ACL Server if ACL is open on Sync DB. Version
- Version 11.8 Fix for Log4OM batch mode.
- Version 11.9 Changed sponsor image on setting screen.
- Added Global variables <YOUR\_GRID> and <THEIR\_GRID> per user

request.

Added <YOUR\_GRID> and <THEIR\_GRID> to ICF file.

Added <YOUR\_GRID> and <THEIR\_GRID> to internal ADIF database.

Increased speed of movement within grid.

Removed carriage return characters from the default message body to avoid corruption of the setup file. Use <br> instead.

Version 12.0 Added DB System for HRD SQLite Database.

Fixed index error when manually setting QSOFlags.

Replaced Access Database Engine 2016 with Access Database Engine 365.

Fix Log4OM Prikey too large for integer, causing Bulk Set and Clear to fail.

Fixed FST Styles.

Adding the pipe character | to the comment text causes a carriage return and line feed.

Added Horizontal scrollbar to custom comment box.

Notification of Test mode when sending e-mail.

Fixed card select window skipping cards with uppercase file extensions.