

QSO Card Creator XV
 User Guide (Xojo Edition)
 Version 2.0.0.0
 © 2026 Robert J. Simoneau (N1ET)

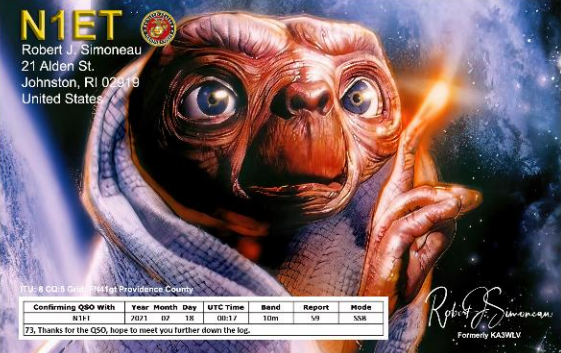
QSO Card Creator XV v2.0.0.0 ©2026 Robert Simoneau - N1ET

File Cards Edit Setup Logs Tools Help

PriKey	Callsign	ContactDate	ContactTime	Band	Mode	Status	RST_Sent	RST_Rcvd	Frequency	Power	Comment
1	N1ET	2021-02-18	00:17	10m	SSB	Mailed	59	59	28.075	100	
2	K1DT	2021-02-20	09:04	1.25m	FM	Blacklisted	59	59	223.980	5	DAVID TESS...
3	KZIK	2021-03-10	13:01	1.25m	FM	Blacklisted	59	59	223.980	5	JOHN R WI...
4	N1DM	2021-03-10	13:04	1.25m	FM	Mailed	59	59	223.980	5	DOMENIC ...
5	W1GS	2021-03-10	13:06	1.25m	FM	Mailed	59	59	223.980	5	WILLIAM J ...
6	KC1NAB	2021-03-10	23:03	1.25m	FM	Mailed	59	59	223.980	5	ROBERT T ...
7	KC1ANX	2021-03-16	02:10	2m	FM	No Email	59	59	145.350	5	William J Li...
8	KD4HCU	2021-03-25	14:15	70cm	DMR	Mailed	59	59	420.000	2	CHRISTOP...
9	A1HK	2021-03-25	20:02	70cm	DMR	Mailed	59	59	420.000	2	JOHN A SZ...
10	N3VSI	2021-03-25	20:10	70cm	DMR	Mailed	59	59	420.000	2	Larry D Tho...

Send

Comment Exclude Sent



N1ET
 Robert J. Simoneau
 21 Alden St.
 Johnston, RI 02919
 United States


131 - 8 QSO's Great 141 for 2021 Logbook Count

Confirming QSO with	Year	Month	Day	UTC Time	Band	Report	Mode
N1ET	2021	07	18	08:17	10m	59	SSB

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

Robert J. Simoneau
Formerly KA3WLV

Records: 25921 Selected: 1



N1ET

Robert J Simoneau

21 Alden St
 Johnston, RI 02919

United States

E-Mail Address

robertsimoneau1955@gmail.com

Newest QSO: 2026-05-22 15:57
 Max Comment Length: 90

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1. Overview

QSO Card Creator is a desktop application designed for amateur radio operators to manage contacts and generate QSL cards using ADIF logs. This program was developed to assist me in confirming my QSO contacts on amateur radio. The application allows for the import of standard ADIF files from other loggers or through UDP capture, and annotating its database with which contacts have been sent QSL cards by this program. Each ADIF import is appended to the application's database.

The application allows for Import, Export, Editing, and deletion of records, and utilizes an SQLite database for fast and accurate access. A QRZ membership of XML or above is required to obtain the email address of your contact for the purpose of sending an electronic copy of your QSL card. Your contacts 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. A version of the program is available for MacOS, Windows 11, and Unix.

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. An ICF editor is part of the program and can aid in the creation of the ICF file. 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 help on our Facebook page, or contact me. There are also videos to assist you at n1et.com. 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. This version of QSOCardCreator adds a contacts database editor and a ICF file editor.

The program marks the sending of the QSO card by placing "Mailed" in the field called status within its database. 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 selected record as unsend. To mark a record as unsend, you must be on that record. Therefore, the exclude send checkbox must be unchecked for you to see the record. Additionally, there is an option to set the send flag of a record without sending an email by pressing its shortcut key or using the menu item. 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 to the email address specified in setup as the test recipient. 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 activate the menu choice or shortcut key. 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 remove callsign from the blacklist. You can view who is on the Blacklist by viewing 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. Selecting multiple rows in the grid and pressing the Send key will batch process the records. This operation is memory-intensive, so it is recommended to process only 50 records at a time.

Selecting multiple rows in the grid will allow for batch mode in most functions such as Bulk Clear flag and Bulk Set flag on the Tools menu, as well as in the sending of mail. 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, Log, cards and database to a directory named QSOCardCreatorSysFileBackup in the specified location.

The program has UPD integration with any program capable of sending WSJT log messages, such as SDR-Control or WSJT-x itself. For POTA purposes, it also has integration with FLRig to get the Frequency, Power, Band and mode from the radio.

2. Quick Start

1. Configure QRZ and Email (Setup)
2. Import ADIF (File → Import ADIF)
3. Select a QSL card (Cards → Select Card)
4. Select contacts (Standard selection methods)
5. Click Send E-Mail

3. Main Window

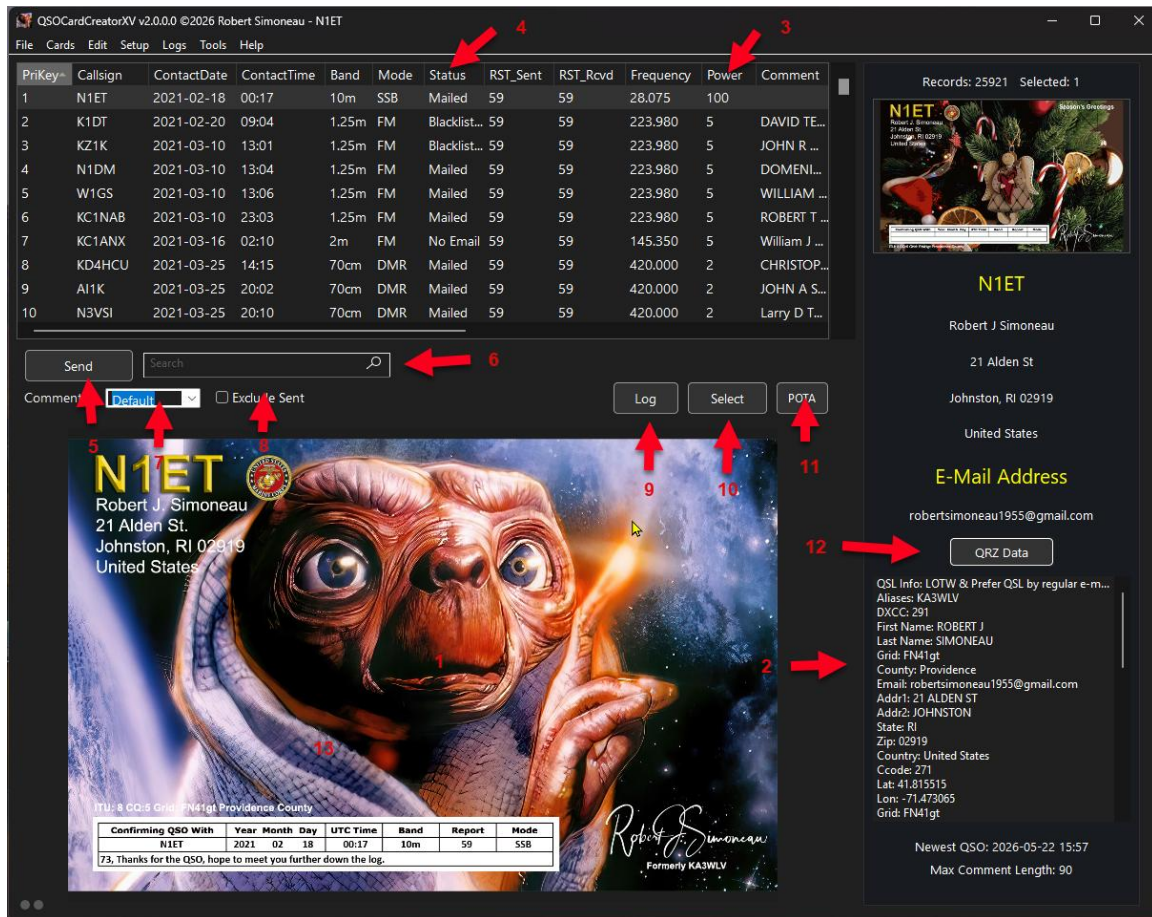


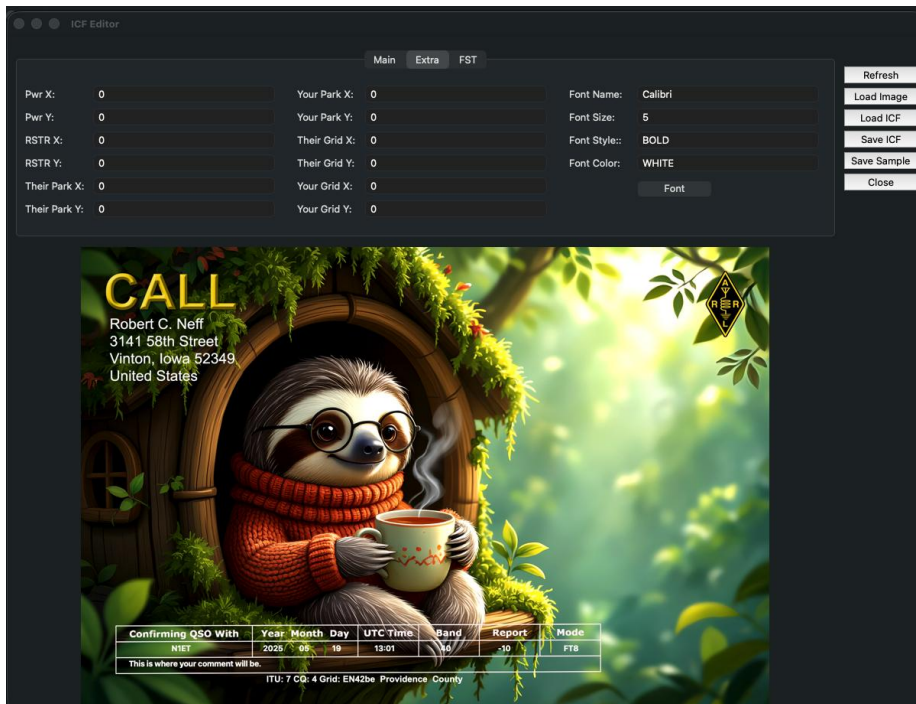
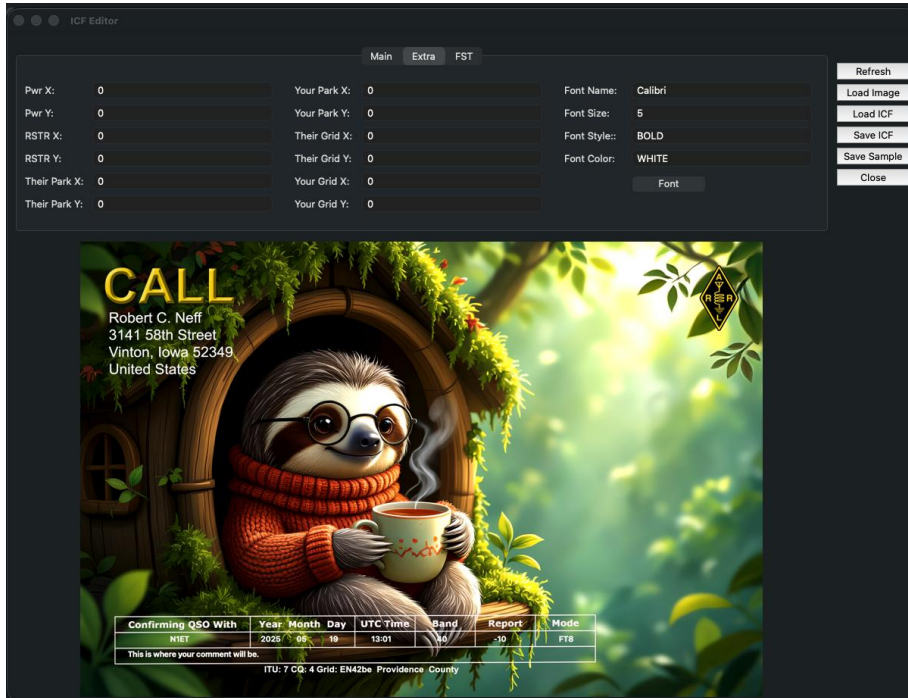
Figure 1 – Main Window

The main window is separated into three main sections (See figure1), which are the live card preview (1), QRZ lookup panel (2), and the contact grid (3). The controls on the main screen are what you will use most often. The general practice is to work the contacts, export from the logger and import into QSOCardCreator. If the Exclude Sent checkbox (9) is checked, you will only see those needing to be sent. As each record is sent, the status is

updated and the record is removed from the grid. The object is to keep the grid empty. If you need to see all records, simply uncheck Exclude Sent. You can click the Status column of the grid to manually change the status of that record. Below is a list of the other controls accessible from this main screen.

1. QSO Card Image.
2. QRZ downloaded data.
3. Contact Grid.
4. Status Falg
5. Send E-Mail button – Will send a mail to the contact of the current row or run batch if multiple records are selected.
6. Search – Conducts a search of the records currently in the grid.
7. Comment – This pulldown will allow you to pick the default comment which comes from setup, a one-time comment which will go with the current send and then revert back to default, or a temporary comment which stays till you return by selecting default,
8. Custom comment – Allows you to add, delete, or select a comment to use See Figure 5,
9. Exclude Sent – When checked you see only the records with a blank status, while unchecked shows you all records.
10. Edit record button opens the ADIF editor and allows you to change the data and fill in missing data for the card. This function also can be used as a basic logger, with the records later exported in a ADIF file to be imported into your main logger.
11. Select Card button shows you the cards available and lets you select the one to use.
12. QRZ Data button – Allow you to view the data received from QRZ. The key acts as a toggle.
13. Card data section which shows the QSO data. The ICF file decides what gets shown on the card using a X,Y coordinate system. A X value of zero will prevent that detail from showing.

4. ICF Editor



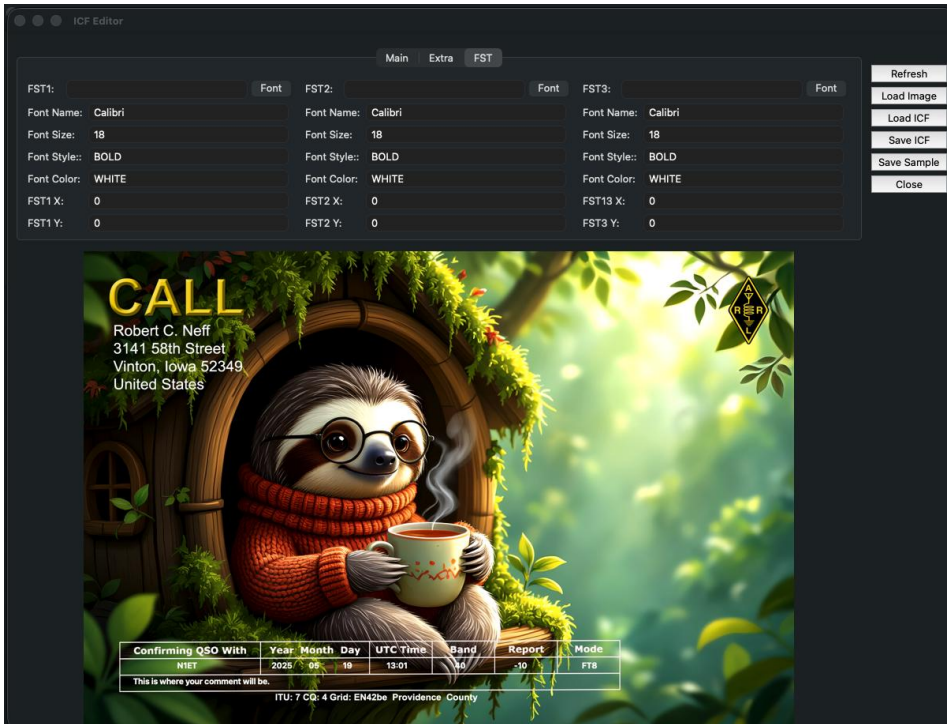


Figure 2 – ICF Editor

The ICF Editor allows precise placement of text elements on your card using X/Y coordinates. You click on the image and get an estimate of the coordinates needed and type in those values into the X or Y field for the element. An easier way is to position your cursor in the X or Y textbox and use your left and right arrow keys to move a pixel at a time. Shift and arrow will move 10 pixels at a time. You can be in the X or Y box and use the Arrows (Left, Right, Up or Down) to move the data.

If starting with a new card, you can load an existing Image Configuration File (ICF) where the data box is located where you want the new card to have it, load the new image and save the ICF file with a different name. If you are adjusting an existing file, load it in, adjust, and then overwrite the old ICF.

5. ADIF Editor

The screenshot displays the ADIF Editor interface with the following fields and controls:

Field	Value
Pri Key:	1
Callsign:	N1ET
Contact Date:	2021-02-18
Contact Time:	00:17
Band:	10m
Mode:	SSB
Status:	[Dropdown]
Their Grid:	FN34
Last card sent:	[Empty]
Sent Timestamp:	[Empty]
RST Send:	59
Frequency:	28.075
Power:	100
RST Rcvd:	59
Your Park:	US-2879
Their Park:	US-1227
Your Grid:	FN41GT
Comments:	[Text Area]

Navigation and Action Buttons:

- First, Prev, Next, Last
- Delete, New, Save, Refresh
- Search, [Empty Input], Close

Figure 3 – ADIF Editor

You reach this editor by pressing the Log button on the main screen. The data for the currently selected grid record will be preloaded in the edit fields. When creating a new record, the program will prevent duplicates from being saved. This can be used as a basic logger at your base station.

6. Preferences/Settings

The image shows two screenshots of a software interface's settings panels. The top panel is titled 'Mail' and contains the following fields:

- Callsign: N1ET
- Key: [Redacted] Show
- QRZ Username: N1ET
- QRZ Password: [Redacted] Show
- E-Mail username: robertsimoneau1955@gmail.com
- E-Mail Password: [Redacted] Show
- E-Mail SMTP Server: smtp.gmail.com Port: 587 Security: STARTTLS
- From E-Mail Address: robertsimoneau1955@gmail.com
- Default E-Mail Subject: QSL Contact - <QRZCALL> DE <MYCALL>
- Default E-Mail Body Text: <QRZNAME>,

 Thank you the QSO. Please find my electronic Q
- Default Card Comment: 73, Thanks for the QSO.
- E-Mail for test mode: robertsimoneau1955@gmail.com
- Opt out HTML: If you prefer not to receive future e-mails confirming uj Opt-out instructions

The bottom panel is titled 'System' and contains the following sections:

- Card Image Config File: /Users/robertsimoneau/XojoProjects/Test/CF/04_Beavertail.icf <<
- Default ADIF Import folder: /Users/robertsimoneau/Downloads <<
- Default Backup Location: /Volumes/Simmy2/QSOCardCreatorXVBackup <<
- WSJT UDP**
 - Enable Listener Address: 127.0.0.1 Port: 2237
 - Enable Forward Address: 127.0.0.1 Port: 2238
- Resend Rules**
 - Skip if sent within 3 days
 - Match Band
 - Match Mode
- Batch Delay**
 - Cards before delay 0
 - Delay in seconds 0
 - NOTE: 0 0 = No Delay
 - Enable debug logging
- E-mail Inclusions**
 - Contact data
 - Credits
 - Keep cards
 - Keep history
 - Test mode

Both panels have 'Reload', 'Cancel', and 'Save' buttons at the bottom.

Figure 4 – Settings

Configure application behavior and email. Be sure to use the Save System Files on the Setup menu after updating the settings. You can edit the default e-mail body text from here, but it is easier for the setup menu item.

7. Card Selection

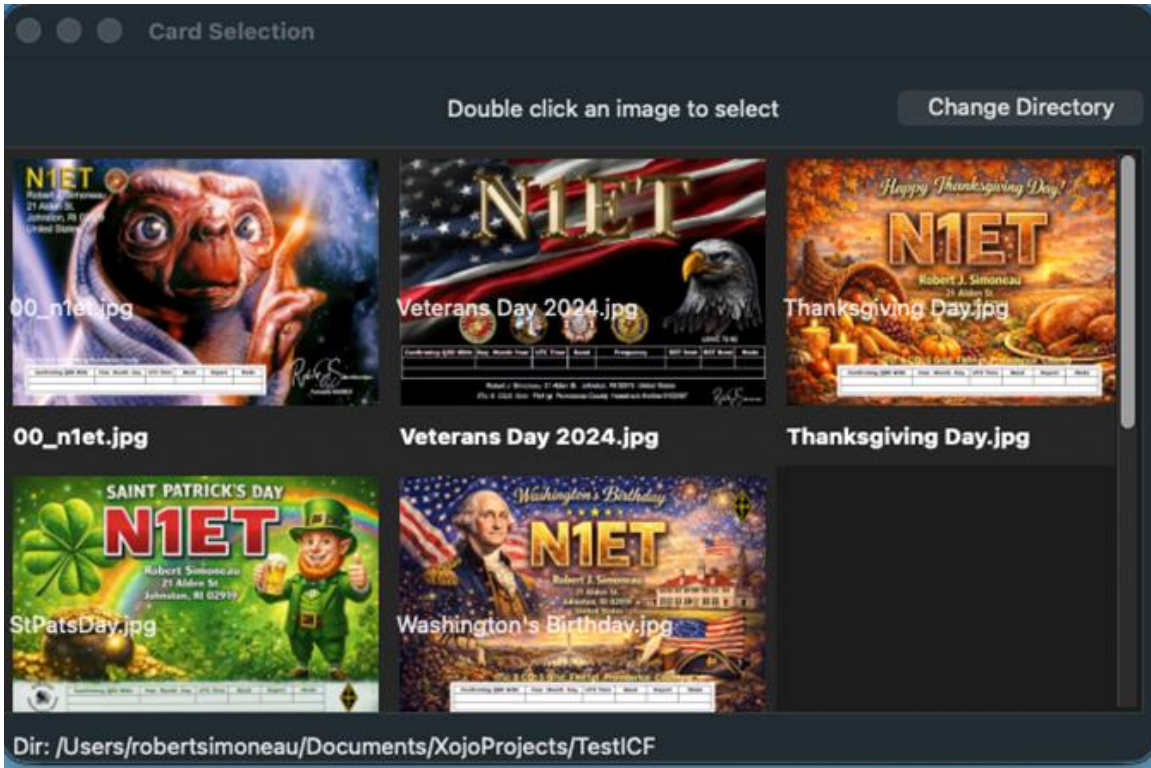
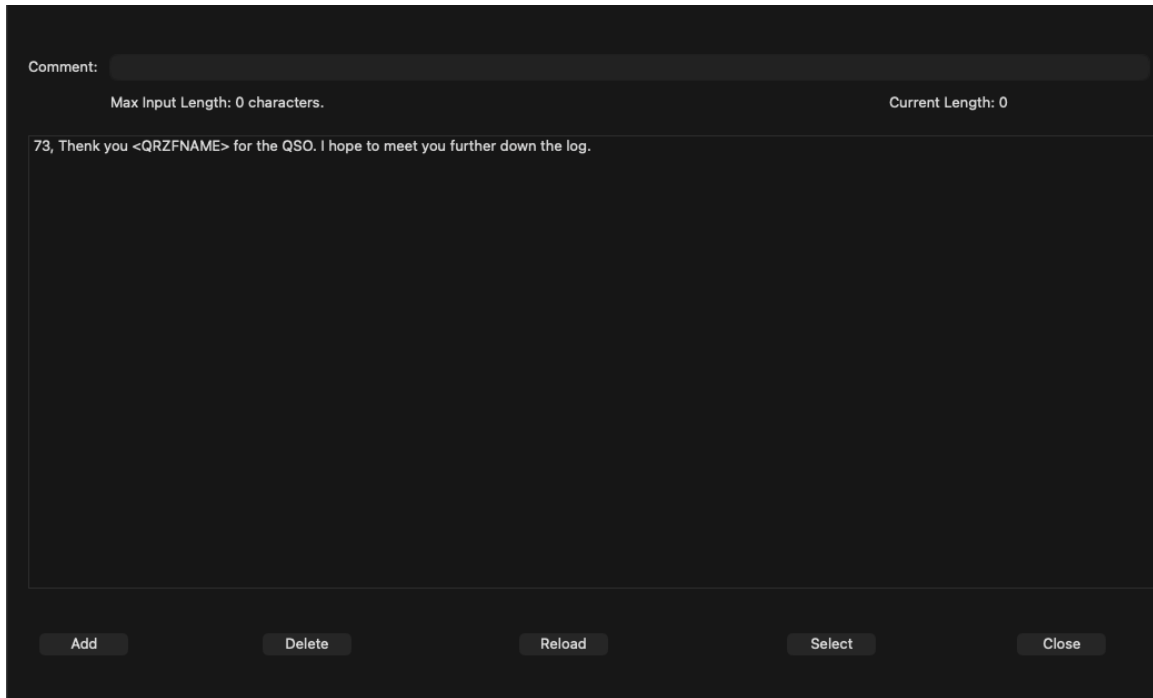


Figure 5 -Card Selection

Choose your card design. This option saves the chosen directory to the settings file. Always keep the image file and ICF files together.

8. Custom Comments



The screenshot displays a dark-themed interface for managing custom comments. At the top, there is a header bar with the label "Comment:" on the left and a progress indicator "Max Input Length: 0 characters." on the right. Below this is a large text input area containing the text "73, Thank you <QRZFNAM> for the QSO. I hope to meet you further down the log." At the bottom of the interface, there is a row of five buttons: "Add", "Delete", "Reload", "Select", and "Close".

Figure 6 – Custom Comments

Manage reusable comments. Global variables can be used in your comments and will be replaced with the true data when used. See the appendices for the global variables available.

9. Edit Default Message body

Body

```
<QRZNAME>, <br /> <br /> Thank you the QSO. Please find my electronic QSL card attached (I have dozens, so collect all you can). This card is just to confirm I have uploaded the contact to LoTW, Clublog, QRZ, and if applicable, POTA. These cards are printable on 4x6 photo paper. <BR><BR><A href="https://www.n1et.com/optout">Opt out of QSO e-mails</A><BR><BR>73, <BR>Bob Simoneau (N1ET)<BR>LICW # 2580 <BR>SKCC # 26064 <BR> <BR><A href="https://www.qrz.com/db/N1ET">QRZ</A>&nbsp;&nbsp;&nbsp;<A href="https://www.n1et.com/">N1ET</A>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<A href="https://www.n1et.com/Store">QSOCardCreator </A> <BR>
```

Preview

Robert J Simoneau,

Thank you the QSO. Please find my electronic QSL card attached (I have dozens, so collect all you can). This card is just to confirm I have uploaded the contact to LoTW, Clublog, QRZ, and if applicable, POTA. These cards are printable on 4x6 photo paper.

[Opt out of QSO e-mails](#)

73,
Bob Simoneau (N1ET)
LICW # 2580
SKCC # 26064

[QRZ](#) [N1ET](#) [QSOCardCreator](#)

Insert Tokens / Formatting

- <QRZCALL>
- <QRZFNAME>
- <QRZLNNAME>
- <QRZNAME>
- <MYCALL>
- <BAND>
- <MODE>
- <TIME>
- <COMMENT>
- <YOUR_PARK>
- <THEIR_PARK>
- <YOUR_GRID>
- <THEIR_GRID>
- <FREQ>
- <PWR>
- <RSTS>
- <RSTR>
- <FST1>
- <FST2>
- <FST3>
- <LINE_BREAK>
- <DOUBLE_LINE_BREAK>
- <BOLD_ON>
- <BOLD_OFF>
- <ITALIC_ON>
- <ITALIC_OFF>
- <PARAGRAPH>

Cancel Save

This is the text that makes up the body of the e-mail. You can insert any of the Global Variables on the right and they will be replaced with real test from the QRZ XML download. For example, if you look at the HTML output above, you can see that the name came from the use of <QRZFName>

10. Integration

The screenshot shows a configuration window with two tabs: "Mail" and "System".

Mail Tab:

- Card Image Config File: `/Users/robertsimoneau/XojoProjects/TestICF/04_Beavertail.icf`
- Default ADIF Import folder: `/Users/robertsimoneau/Downloads`
- Default Backup Location: `/Volumes/Simmy2/QSOCardCreatorXVBackup`

System Tab:

WSJT UDP:

- Enable Listener
- Address : 127.0.0.1
- Port : 2237
- Enable Forward
- Address : 127.0.0.1
- Port : 2238

Resend Rules:

- Skip if sent within 3 days
- Match Band:
- Match Mode:

Batch Delay:

- Cards before delay: 0
- Delay in seconds: 0
- NOTE: 0 0 = No Delay

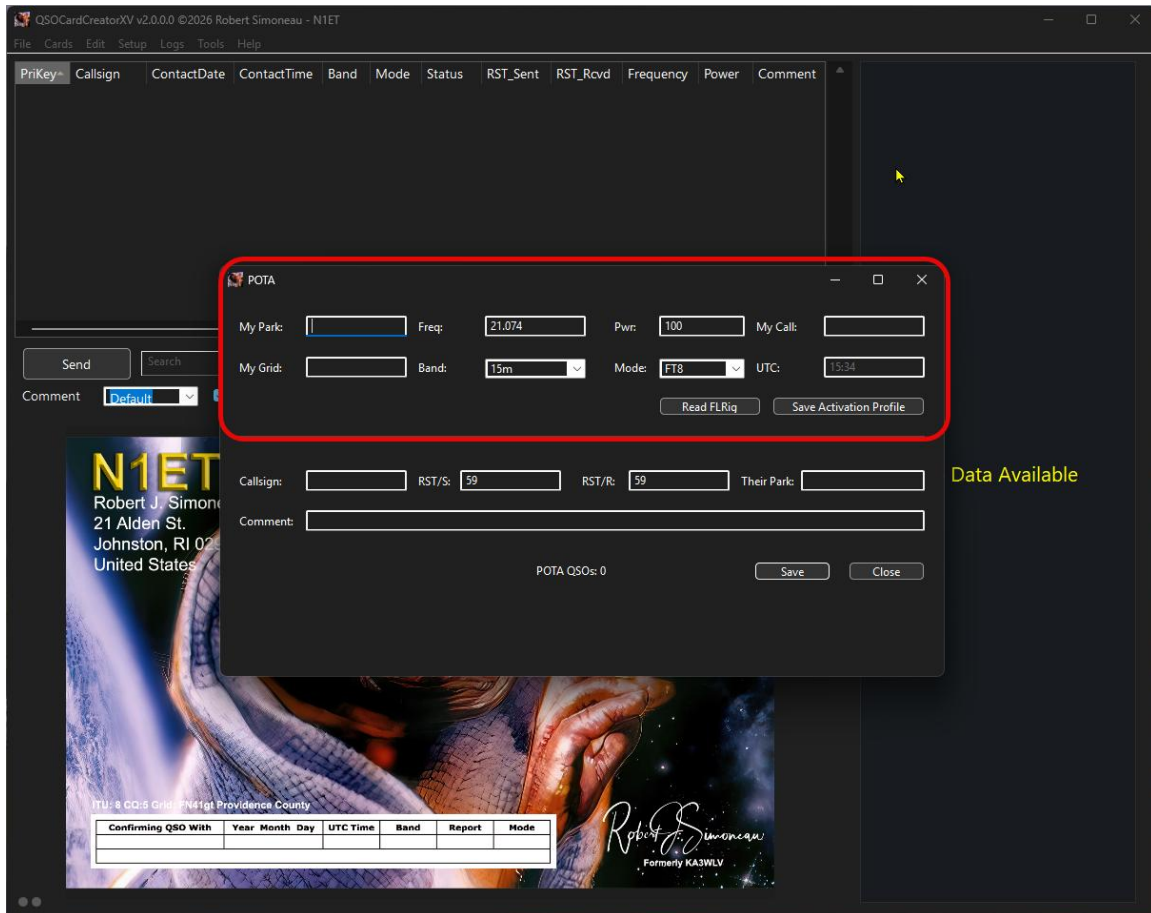
E-mail Inclusions:

- Contact data
- Credits
- Keep cards
- Keep history
- Test mode

Buttons at the bottom: Reload, Cancel, Save.

Besides allowing for the import of ADIF files, the application can also be configured as an UDP listener to capture the Logging information straight from WSJT, Grid Tracker 2, SDR Control for Mac, or any application that can transmit/format WSJT UDP messages. This application can also forward received packets for use by others.

11. POTA



You should fill in the POTA park info and then save the Activation profile. You can press the Read FLRig button to get the data from the radio if using FLRig. If you are doing a SSB park activation, after filling and saving the activation profile, just enter the call, RST/R, RST/S, and park number for a park to park. If they have more than one park, separate each with a comma and a record will be written for each park. Their gridsquare and yours are looked up for the park in the download all parks file from the POTA site. Occasionally update that file from the menu option Tools/Update POTA Parks Database. If you are combining Digital and voice for the activation, just leave the POTA window open and use WSJT or whatever you are using. If QSOCardCreatorXV is configured to listen to UDP correctly, all digital contacts will be associated with that POTA activation. When complete, use the menu option: File/Export ADIF/Export Current POTA activation. You can then upload that file to the POTA site, as well as import it into your master logger for sending to QRZ, LOTW, Clublog..etc. On the Tools menu there is an option to map the ADIF file.

Appendix A – Keyboard Shortcuts

QSO Card Creator XV supports keyboard shortcuts on both macOS and Windows.

General

Mac	Windows	Action
⌘Q	Ctrl+Q	Exit Application
⌘A	Ctrl+A	Select All Contacts

Cards Menu

Mac	Windows	Action
⌘E	Ctrl+E	Send E-Mail
F2	F2	Clear Sent Flag
F3	F3	Set Sent Flag
⌘S	Ctrl+S	Save Card Image
⌘P	Ctrl+P	Print Card
F5	F5	One-Time Test E-Mail
⌘M	Ctrl+M	Manually Enter E-Mail
F7	F7	QRZ Data
^⌘B	Ctrl+Shift+B	Add to Blacklist
^⌘B	Ctrl+Alt+Shift+B	Remove from Blacklist

File Menu

Mac	Windows	Action
⌘O	Ctrl+O	Import ADIF
⌘E	Ctrl+Alt+E	Export ADIF (Whole Log)
⇧⌘E	Ctrl+Shift+Alt+E	Export ADIF (Selected Records)
⌘C	Ctrl+Alt+C	Export Log to CSV
⌘D	Ctrl+D	ADIF Database Editor
⌘L	Ctrl+L	Show File Locations
⌘I	Ctrl+Shift+I	Clear Imported ADI Records

Setup Menu

Mac	Windows	Action
⌘,	Ctrl+,	Preferences
⌘S	Ctrl+Shift+S	Save System Files
⌘R	Ctrl+Shift+R	Restore Setup File
⌘M	Ctrl+Shift+M	Edit Message Body
⌘B	Ctrl+B	Blacklist Maintenance

Tools Menu

Mac	Windows	Action
⌘H	Ctrl+H	Sent Cards History
⇧⌘F2	Ctrl+Shift+F2	Bulk Clear Flag
⇧⌘F3	Ctrl+Shift+F3	Bulk Set Flag
⌘K	Ctrl+Shift+K	Rebuild / Compact Keys
⌘N	Ctrl+Shift+N	Edit Card Layout

^⌘E	Ctrl+Shift+E	Edit Current Card Layout
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Logs Menu

Mac	Windows	Action
⌘F11	Ctrl+F11	Open Log File
⌘L	Ctrl+Alt+L	Send Log File
⇧⌘F10	Ctrl+Shift+F10	Clear Log

Help Menu

Mac	Windows	Action
F1	F1	User's Manual
⇧F1	Shift+F1	QSO Flag Legend
^F1	Ctrl+F1	Global Variables
⌘W	Ctrl+Alt+W	Website
⌘U	Ctrl+Alt+U	Check for Updates

Notes

macOS uses ⌘ (Command), ⌥ (Option), ⇧ (Shift), and ^ (Control).

Windows uses Ctrl, Alt, and Shift equivalents.

Shortcut behavior may vary slightly depending on keyboard layout and system configuration.

Appendix B – ICF File Layout

The ICF file controls how QSO data is displayed on the card image. All coordinates are in pixels from the top-left corner.

Core Settings

Setting	Description
IMAGEFILE	Card image path
MAXCOMMENTLEN	Max comment length

Font & Style Settings

Setting	Description
INFOFONT	Font name
INFOFONTSIZE	Font size
INFOFONTSTYLE	REGULAR, BOLD, ITALIC
INFOFONTCOLOR	Color or HEX

Field Padding

Setting	Description
CALLSIGN_PAD	Padding
MONTH_PAD	Padding
DAY_PAD	Padding
YEAR_PAD	Padding
TIME_PAD	Padding
BAND_PAD	Padding
MODE_PAD	Padding
RST_PAD	Padding

Position Fields

Field	X	Y
Callsign	CALLSIGN_X	CALLSIGN_Y
Month	MONTH_X	MONTH_Y
Day	DAY_X	DAY_Y
Year	YEAR_X	YEAR_Y
Time	TIME_X	TIME_Y
Band	BAND_X	BAND_Y
Mode	MODE_X	MODE_Y
RST	RST_X	RST_Y
Comment	COMMENT_X	COMMENT_Y

Optional Fields

Field	X	Y
Frequency	FREQ_X	FREQ_Y
Power	PWR_X	PWR_Y
RST Received	RSTR_X	RSTR_Y

Their Park	THEIR_PARK_X	THEIR_PARK_Y
Your Park	YOUR_PARK_X	YOUR_PARK_Y
Their Grid	THEIR_GRID_X	THEIR_GRID_Y
Your Grid	YOUR_GRID_X	YOUR_GRID_Y

Free Style Text (FST)

Setting	Description
FST1 / FST2 / FST3	Custom text
FST*_X / FST*_Y	Position
FST*FONT	Font
FST*FONTSIZE	Size
FST*FONTSTYLE	Style
FST*FontCOLOR	Color

Appendix C – Global Variables / Tokens

These tokens can be used in email subject, body, and card layouts. They are replaced at runtime with QSO and QRZ data.

Contact Information

Token	Description
<QRZCALL>	Contact callsign
<QRZFNNAME>	First name
<QRZLNNAME>	Last name
<QRZWNAME>	Full name

Station Information

Token	Description
<MYCALL>	Your callsign

QSO Data

Token	Description
<BAND>	Band
<MODE>	Mode
<TIME>	UTC Time
<DATE>	QSO Date
<FREQ>	Frequency
<PWR>	Power
<RSTS>	Sent signal report
<RSTR>	Received signal report

Comments & Text

Token	Description
<COMMENT>	Comment text

Formatting Tokens

Token	Description
<LINE_BREAK>	Single line break
<DOUBLE_LINE_BREAK>	Double line break
<BOLD_ON>	Start bold
<BOLD_OFF>	End bold
<ITALIC_ON>	Start italic
<ITALIC_OFF>	End italic
<PARAGRAPH>	Paragraph spacing