

# BARRT

The original Blackberry Application Reregistration Request Tool

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## **Introduction**

BARRT is an acronym for Blackberry Application Reregistration Request Tool.

There is a wide variety of software applications available for Blackberry devices. Often, commercial applications have a unique registration key based on the unique PIN number of the device. This protects the software vendor from piracy, and protects the user's investment in the software from use by others.

Unfortunately, if you need to swap your Blackberry device, you have to ask the software vendors for another registration code, based on your new PIN number. To do this, you need to have not only a list of the software installed on your device, but the registration numbers, and vendor contact information as well. For most, this is an infrequent task, but a cumbersome one.

Storing all the information needed to request Reregistration and reducing the time this process takes was the catalyst for the creation of BARRT.

BARRT is a small database application that allows a Blackberry user to store the names, registration codes, and vendor email addresses of all of their software applications. If a user changes their device, at the click of a button they can generate emails\* requesting Reregistration codes from any or all of the application vendors stored in the database.

All of the screen displays launched from the Main display are modal, that is, if you open the User Setup display, you won't be able to launch any other portion of the software or even click on the Main display until you close the User Setup display.

The following information is a description of BARRT's features and operating instructions. Please read through this document before attempting to use the software. It will save you some headaches!

\*Emails are generated using the built in "mailto: URL" abilities of the Windows Operating System. This feature must be enabled to automatically generate emails. Even if the feature is disabled, the user can copy/paste from the Application Information display.

## **Some Important Points**

The Main Screen is displayed when the application is launched. From here, you can access User Setup, Application Information, Email Generation, and Database portions of the applications.

Here are some points to keep in mind

- User Information and at least one Application Record must be entered to use BARRT
- Emails are automatically generated, but not automatically sent. You have a chance to preview and edit them before manually sending them.
- BARRT is a commercial application, registered to one user. It is illegal to make copies of the software and distribute them to unlicensed users

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## The Main Display



From the main display a user can access all other parts of the software. A Demo version is available (limited to only 3 Application Records, but otherwise is fully functional), and operates the same as the commercial version.

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## User Setup

BARRT is currently a single user application. You must enter a minimum of first name, last name, email address and PIN number to save a User Record. You can optionally enter the address of your outgoing mail server, and your server password (these fields are for future functionality).

If you swap your device and want to use the software to generate emails to your software vendors, you must enter your new PIN number from the User Setup display.

The software will alert you if the PIN number or new PIN number is more or less than 8 characters long. All letters A – Z are forced to uppercase in both PIN fields.

If a User Record is already stored, you'll receive a warning that you're about to overwrite the record.

Each field on the User display is limited to a certain number of characters as follows:

• First Name	25 Characters
• Last Name	25 Characters
• Email Address	25 Characters
• PIN Number	8 Characters
• New PIN Number	8 Characters
• Outgoing Mail Server	30 Characters
• Password	15 Characters

**User Information**

First Name: Joe      Last Name: User      Your Email: juser@mycompany.com

**PIN & Email Server Information**

BB PIN: 12345678      New PIN: FFFFFFFF

Optional Outgoing Mail Server: mailhost@mycompany.com      Optional Password: XXXXXX

Save      Cancel

User Setup Display

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## Application Information

The Application Information display is where you enter and edit information about your Blackberry applications.

The three fields on the Application Information display are also limited as to the number of characters you can enter.

- Application Name 30 Characters
- Registration Code/Key 25 Characters
- Vendor Email 25 Characters

If you enter more characters, your entry will be reduced to the first 25 or 30 characters only.

Applications are displayed in alphabetical order, regardless of the order of entry. **Application names must be unique.**

If you try to enter an application name that is already stored in the database, BARRT will assume you're updating the record, and ask you if you want to overwrite it.

Application Name	Code/Key	Request Reregistration?	Vendor Email
Application One	1234567	Yes	support@app1.com
Application Three	1287645	No	support@app3.com
Application Two	123456	Yes	support@app2.com

Application Information Display

In the illustration above, “Application One”, and “Application Two” have the same registration number. Since the *names* are not the same, BARRT accepts whichever was entered second as a new application.

To enter an application, you must enter the name, code/key, and the vendor email. The “Request Reregistration?” section defaults to “No”, meaning you don’t want to request Reregistration information for that application. You can still store the application and vendor information.

There is a section of the Application Information display that in the illustration above reads “Data for 3 Applications stored in BARRT”. There are also three application records displayed in the main window. These should always agree. If not, see the section on the databases.

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Without any application records, only the “New” and “Cancel” buttons are available to use. The other four will display a message telling you there are no applications stored.

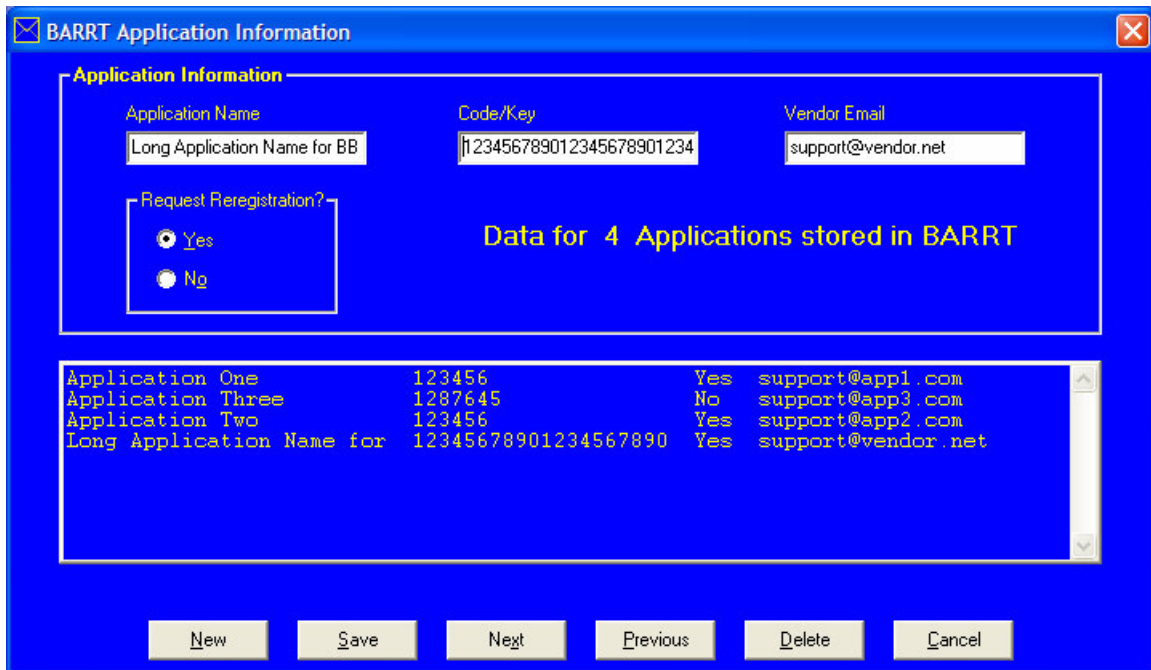
“New” clears the Application Name, Code/Key, and Vendor Email fields, and sets focus on the Application Name field. “Next” and “Previous” move forward or backward one record at a time. If you need to edit a record, you can click one or the other until your record is displayed, make the necessary edits, and then click “Save”.

If you didn’t change any part of the Application Name, BARRT assumes you are overwriting an existing record, and will display a message warning you that will happen if you continue. If the application name is altered in any way, and then you click “Save”, BARRT will save the displayed information as a new Application Record.

To “Delete” an application, use “Next” or “Previous” until the application you want to delete is displayed, and then click “Delete”. You’ll get two warnings that you’re about to delete a record, and then it’s gone. What if you delete or change a record, and then realize you didn’t mean to? There is a **log file named “BARRT.dat”** in the same folder as the application. You can open this file with Notepad.exe or any other text editor.

Every time you add or change User Information, add, edit, or delete an Application Record, or generate an email, it gets logged to this file. It records all user transactions. If you delete it, it will be created again the next time you make any kind of transaction with BARRT.

One last thought about registration Codes or Keys. You can enter up to 25 characters, but the area of the Application Information display where your entries are view only will only display the first 20 characters of any record. You’ll be able to see the remaining 5 in the text field using “Next” or “Previous”.



Look at the last entry above. The actual information that was entered was:

Application Name: “Long Application Name for BB Software”

Registration Code/KEY: “1234567890123456789012345”

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If you put the cursor in the “Code/Key” field, you could move it one more space to the right and see the last “5” of the registration code.

### **Generating Email**

Almost every computer has a **default email program**, even if it’s the only email program. Anytime an email is created when you click on a web link, or a link in a document, the computer understands you want to send an email, and launches the email message from the default email program. BARRT uses this feature to automatically generate emails.

**BARRT Email Application Vendors**

Send To:  CC To:

Subject:  Your Address:  Your Mail Server Name:

Compose Message to Vendors:

\*\*\*\*\* READ THIS FIRST! \*\*\*\*\*

Clicking the "Email Test" button will send a test email to every vendor to verify you can reach them via email (this email won't contain actual Reregistration Request information, and you should use this infrequently). Your email address will be automatically copied on each message.

Clicking the "Select" button sends an email only to those vendors where you selected the

Email Display

There are three types of emails you can generate with BARRT. The first is a test email. When you click the **“Email Test”** button, one email for each vendor email address in the database will be created. The message to the vendor contains your PIN number, but other than your email address and name, no other information about you or any of your applications. It allows you to “test” email communication between Yourself and all of your application vendors.

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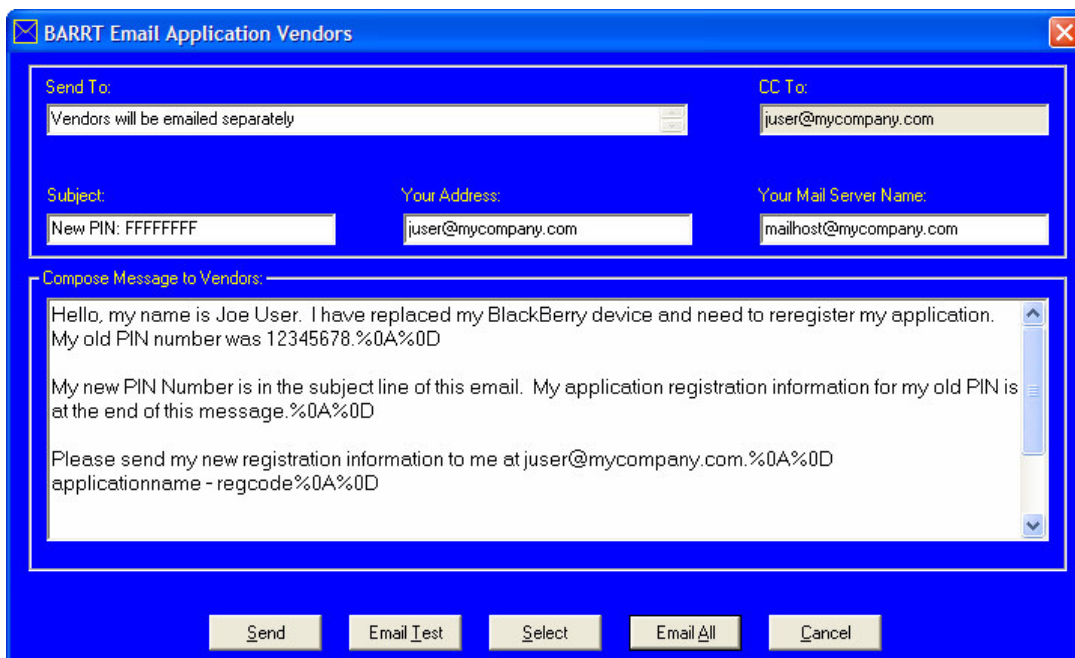
The screenshot shows a dialog box titled "BARRT Email Application Vendors" with a blue border. It contains several input fields: "Send To:" with the text "Vendors will be emailed separately", "CC To:" with "juser@mycompany.com", "Subject:" with "My PIN: 12345678", "Your Address:" with "juser@mycompany.com", and "Your Mail Server Name:" with "mailhost@mycompany.com". Below these fields is a large text area labeled "Compose Message to Vendors:" containing a pre-written email message. At the bottom of the dialog are five buttons: "Send", "Email Test", "Select", "Email All", and "Cancel".

Email Test message

For any message type, when you click the “Send” button, the text is captured from the text fields, and sent to the default email program for each email generated. That means you can change any of the information automatically displayed, just in case you would rather word the email differently.

The email messages are contained in two text files, “**Email Message Test.txt**” for test messages, and “**template.txt**” for Reregistration request messages. If you feel that you absolutely have to make changes to the canned messages, make sure you maximize the window of the text editor you use.

Most programs that display text will automatically “wrap” the lines of text when reaching the end of the display area. You’ll also notice the special characters “%0A%0D” at the end of each paragraph. These characters won’t appear in the actual email message; they tell email programs to insert a carriage return and line feed at that point. They may not be necessary with other email programs. **MAKE A COPY** of the message templates before you make any changes.



The screenshot shows the same "BARRT Email Application Vendors" dialog box. The "Send To:" field now contains "New PIN: FFFFFFFF". The "Subject:" field contains "New PIN: FFFFFFFF". The "Compose Message to Vendors:" text area contains a different pre-written email message. At the bottom are the same five buttons: "Send", "Email Test", "Select", "Email All", and "Cancel".

Reregistration Request Message



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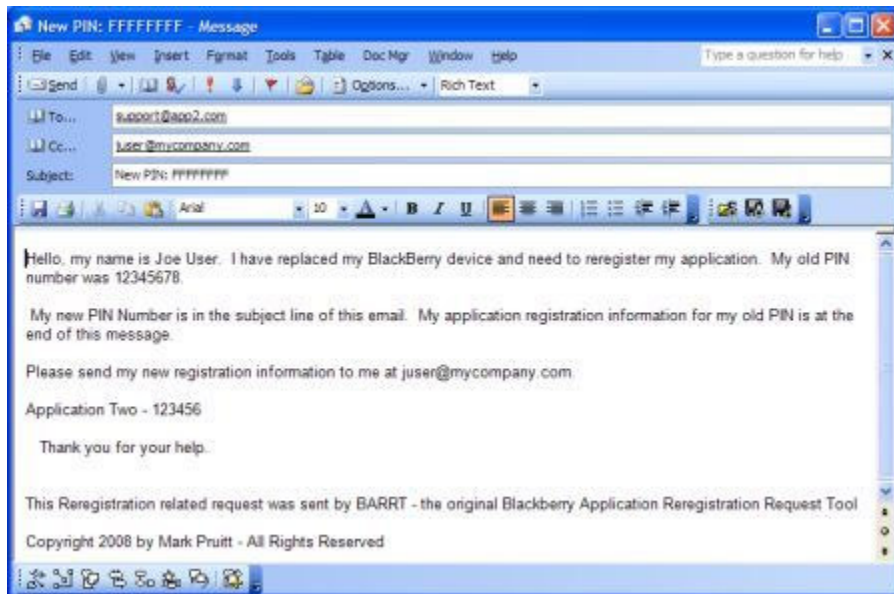
In these two text files, there are certain key words that the software removes and replaces with your information:

- |                            |  |
|----------------------------|--|
| • “fname”                  | replaced with your first name  |
| • “lname”                  | replaced with your last name   |
| • “emailaddress”           | replaced with your email address   |
| • “XXXXXXXX”               | replaced with your PIN   |
| • <b>“applicationname”</b> | <b>name of a Blackberry application (Reregistration requests only)</b>   |
| • <b>“regcode”</b>         | <b>registration code or key for above (Reregistration requests only)</b> |

If you change either of the messages, make sure you put these back at the appropriate places, or your personal information won't appear in the email messages.

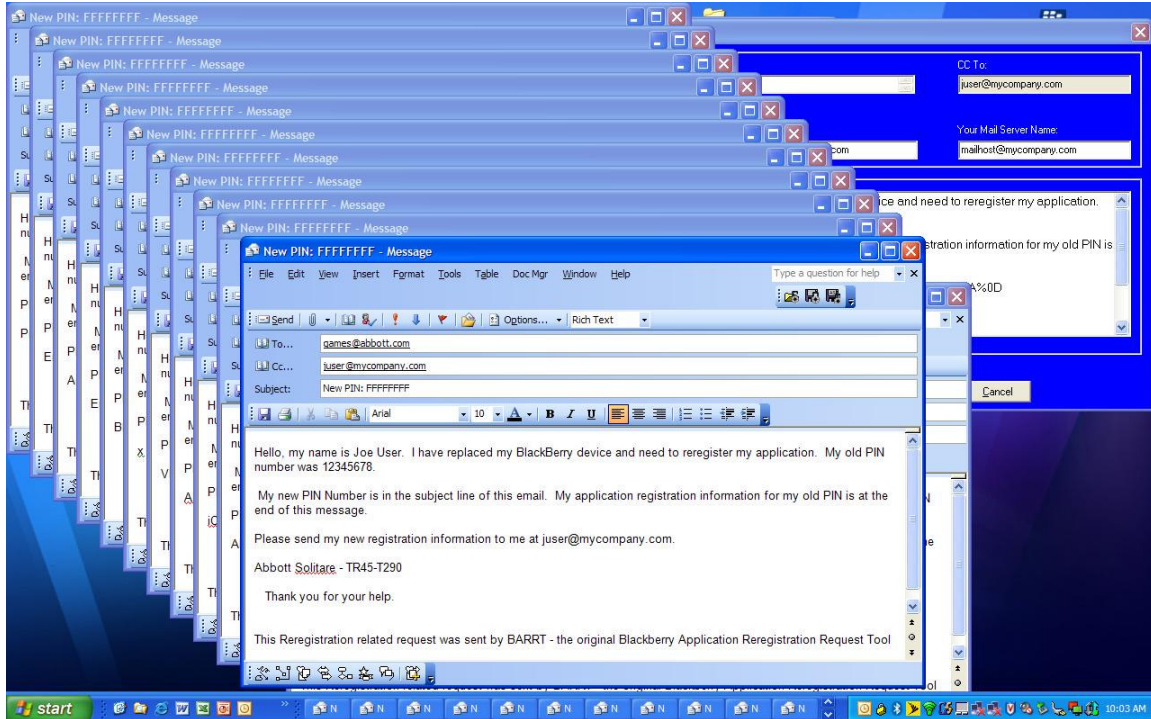
The second kind of message is when you click **“Email All”**. This will generate one email for each software application you've entered into the database, even if you selected “No” for the “Request Reregistration” option when entering the application. In the example above, all the new information is entered, except for the name of the application, and the registration code; these will be added to each email individually.

The third kind of message is a **“Select”** message sent only to those vendors where you entered “Yes” for “Request Reregistration”. This template is the same as the one used for “Email All”. Below is an example of a message sent to request Reregistration for a specific Blackberry application:



Example message generated via Outlook

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Desktop Screenshot – “Email All” Reregistration Request

The new PIN number appears in the subject line. If you haven’t entered it in at the User Setup display, you won’t be able to preview a Reregistration request; the email display will shut down, and you’ll go to the Main display, so you can open the User Setup and enter/save it.

At this point, you can change anything you wish to before clicking “Send” on the message. Notice on the second line from the bottom is the name/registration code/key for the application. The special characters that were in the screen shot before this one have been filtered out by the email program. If you decide not to send this or any of the other types of email messages at this point, just click the “x” in the upper right hand corner to close this window.

### Databases

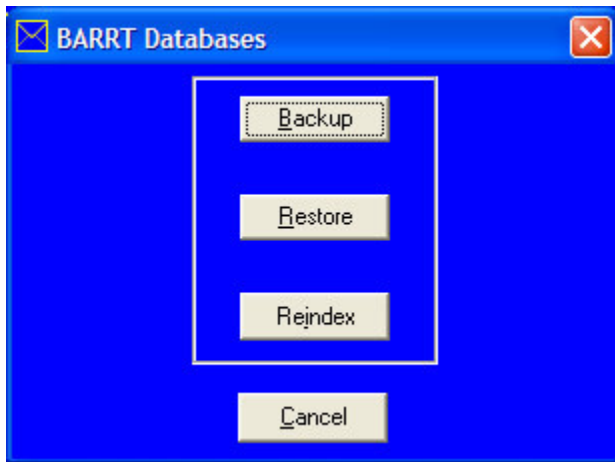
There are two separate databases used by BARRT, “Application.dbf” for Application Records, and “User.dbf” for the User Record. Why a whole database for “the” User Record? Because, “BARRT is currently a single user application.”

It’s a good idea to occasionally back up your databases. If anything happens to your working files, you can restore them. The backup databases and their associated files are in the folder named “BNG” . Don’t attempt to use or alter the contents of this folder.

In the section for the Application Information display it was pointed out that there were 3 Application Records being displayed, and the message display said “Data for 3 Applications stored in BARRT”. If there is any difference in those numbers either the database and/or the index has become corrupted. The first step is to try and Reindex the databases. Applications are indexed in alphabetical order by the name of the application.

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Reindexing rewrites the information in the index file, based on what is in the database. If your data still seems quirky after reindexing, you can “Restore” it from your backup copies, provided you’ve backed the databases up.



It should be very rarely you need to do anything with the databases.

Another strong point for .dbf files is that you can almost always open them with a spreadsheet program like Excel. The records will be displayed in the order they were entered.

You don’t need to Backup the databases every time you use BARRT, but it won’t hurt anything if you do.

### **Support**

Temporarily, support will be available via [BARRTsupport@gmail.com](mailto:BARRTsupport@gmail.com). Please use this email for reporting any problems. Someone will respond to your email as soon as practically possible.

### **License**

The complete software license is available for reading in the “BARRT License.txt” file. It is the end user’s responsibility to read and comply with the terms of the license. By using the BARRT software, the end user acknowledges the terms of the license.

### **Epilogue**

Thank you for trying BARRT. Hopefully, this isn’t an application you’ll need to use often, but we’re sure that if you do need to use it, you’ll be glad you have it!

