The ARTDemo V 2.0 Mobile Application for BlackBerry

Prelim

Amp'ed RF Technology, Inc.
(phone) 408 213-9530
(fax) 408 213-9533

Table of Contents

1. How to install and start ARTDemo V2.0 for BlackBerry? 4

1.1. How to install? 4

1.2. How to start? 4

2. Welcome Screen..... 5

2.1. About..... 5

2.2. OK..... 5

2.3. Exit..... 6

3. Main Screen..... 7

3.1. Option Screen..... 7

4. Remote Bluetooth Device..... 8

4.1. Scan for Devices..... 8

4.2. Bluetooth device List 8

4.2.1. Connect 9

4.2.2. Detail 9

4.2.3. Re-Scan 9

4.2.4. Paired Devices 9

4.3. Device Connected 10

4.3.1. Data Transfers..... 10

4.3.1.1. Send 11

4.3.1.2. Settings..... 11

4.3.1.3. Clear 13

Preliminary

4.3.1.4. Stop 13
4.3.2. Disconnect 14
4.3.3. Detail 14
4.3.4. Re-Scan 15
4.3.5. Paired Devices 15
5. Local Bluetooth Service 16
5.1. Enable SPP Server 16
5.2. Connected Devices List 16
5.2.1. Data Transfers 16
5.2.1.1. Send 17
5.2.1.2. Settings 18
5.2.1.3. Stop 19
5.2.1.4. Clear 20
5.2.2. Disconnect 20
5.2.3. Detail 20
5.3. BlueGuard 21
6. Local Bluetooth Settings 22
6.1. Discoverable 22
6.2. Device Name 22
6.3. Device Address 22

Preliminary

Amp'ed RF Technology, Inc.
(phone) 408 213-9530
(fax) 408 213-9533

User Manual of ARTDemo V2.0 for BlackBerry

1. How to install and start ARTDemo V2.0 in the BlackBerry phones?

1.1. How to install?

In the product we can provide you "ARTDemo.alx" and "ARTDemo.cod" setup files which you can copy to your phone and install using "BlackBerry Desktop Manager". Then you need to select an "Application" tab and import file into phone first. Then simply click on "Apply" button which install ARTDemo Application into your phone and ready to use.

1.2. How to start?

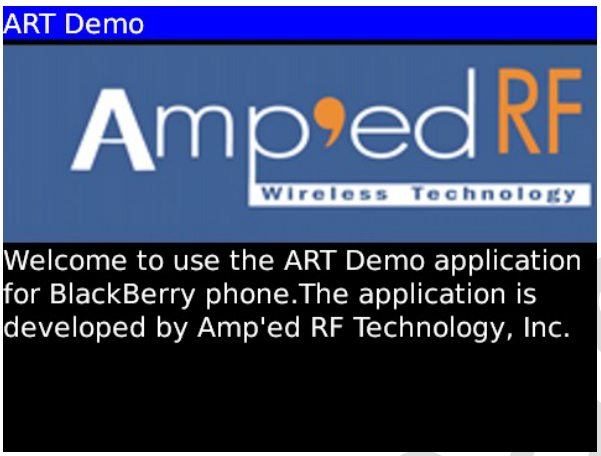
After installed the "ARTDemo" you find the icon in your menu inside "Downloads" with named "ARTech". Simply click on this icon to start the ART Demo application. Before using the ART Demo application, please first disable "Serial Port Profiles" under the phone Bluetooth Configuration.

Note: Before starting the ART Demo for BlackBerry, please perform "Reset" command on the USB dongle.

Preliminary

2. Welcome Screen

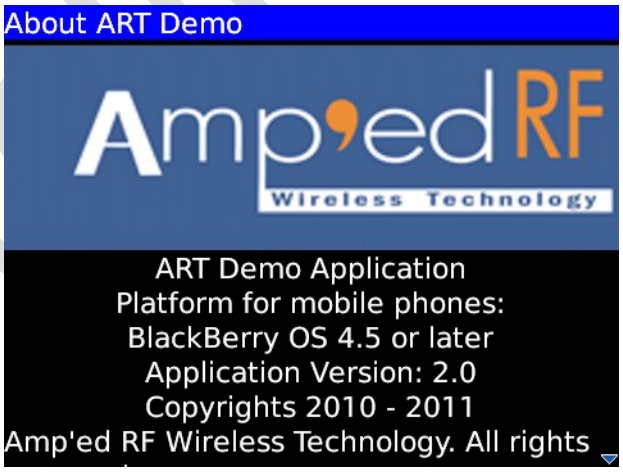
Once the ARTDemo starts successfully, the screen will show the following:



The welcome screen is displayed with welcome message and company logo. At a bottom of the screen three buttons are located: "About", "OK" and "Exit".

2.1. About

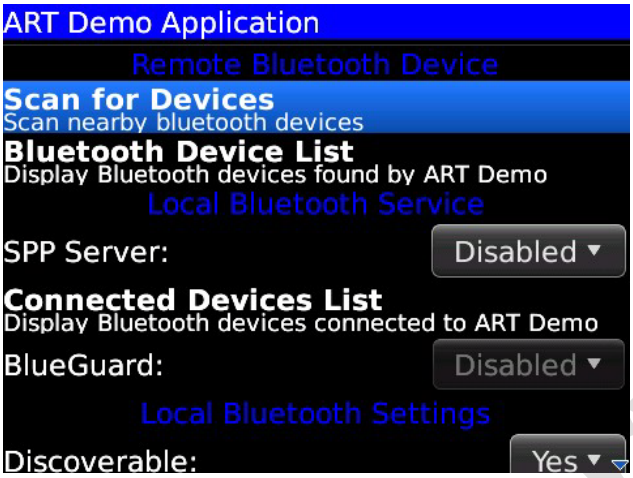
Once a user is pressed "About" button, the "About ARTDemo" screen will appear with application information the following:



2.2. OK

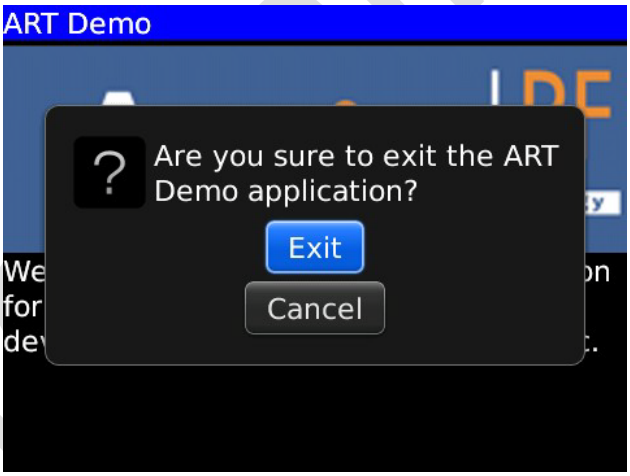
Once a user is pressed "OK" sub menu, the Main Screen will appear the following:

Preliminary



2.3. Exit

Once a user is pressed "Exit" sub menu, it will appear with a dialog box to ask your permission "OK" or "Cancel". If you selected "OK" then it caused exit of Application.



Primary

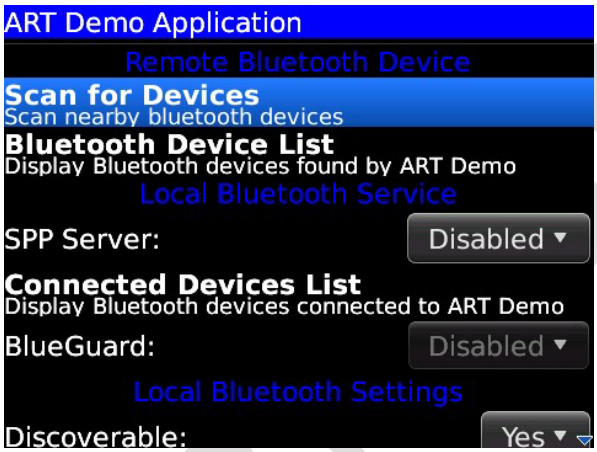
3. Main Screen

The ARTDemo V2.0 main screen includes three parts:

(1) Remote Bluetooth Device for more information described in a chapter 4.

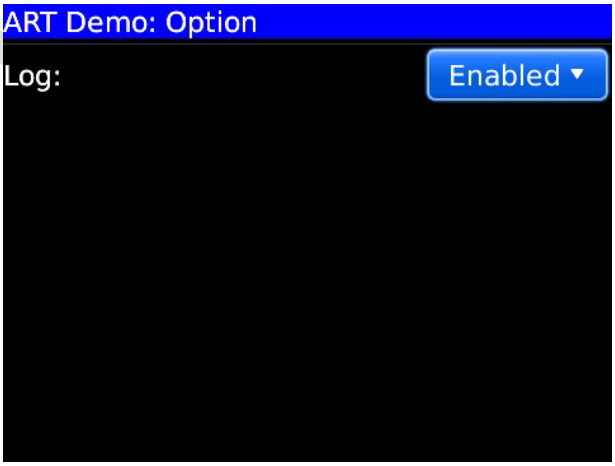
(2) Local Bluetooth Service for more information described in a chapter 5.

(3) Local Bluetooth Settings for more information described in a chapter 6.



3.1. Option Screen

User can only press "Option" menu on the Main Screen to forward to "Option" screen it is optional if you don't want to save log information please disabled the "Log". If you save log information it stores as a text file named "ARTDemoLog.txt" in the SD Card root directory.

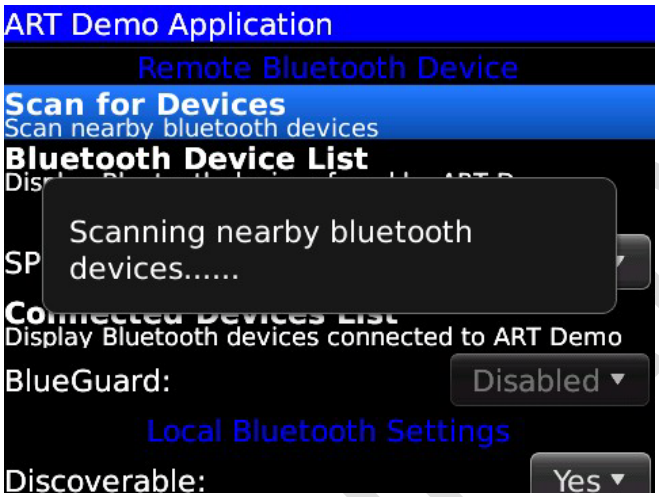


Preliminary

4. Remote Bluetooth Device

4.1. Scan for Devices

After pressing "Scan for Devices", the app will start to scan nearby Bluetooth devices.



4.2. Bluetooth Device List

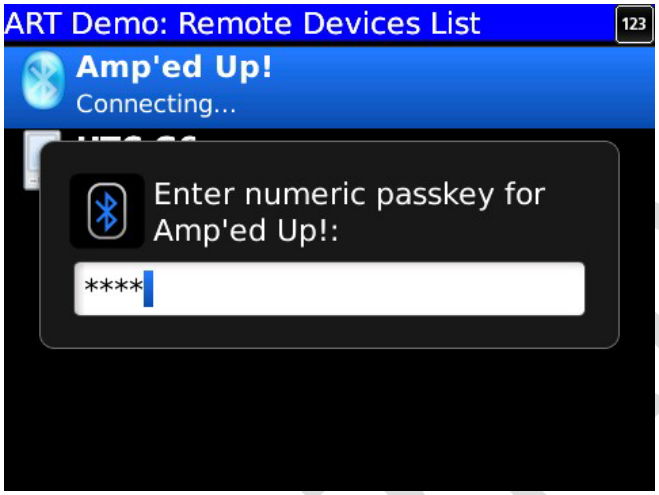
After pressing "Bluetooth Device List", the app will display "Bluetooth Device List". At bottom on a screen two menus are located: "Connect", "Detail", "Re-Scan" and "Paired Devices".

This screen is displayed all devices which are found by the ARTDemo app. Each device displayed with device name, pairing state and connection state.

Preliminary

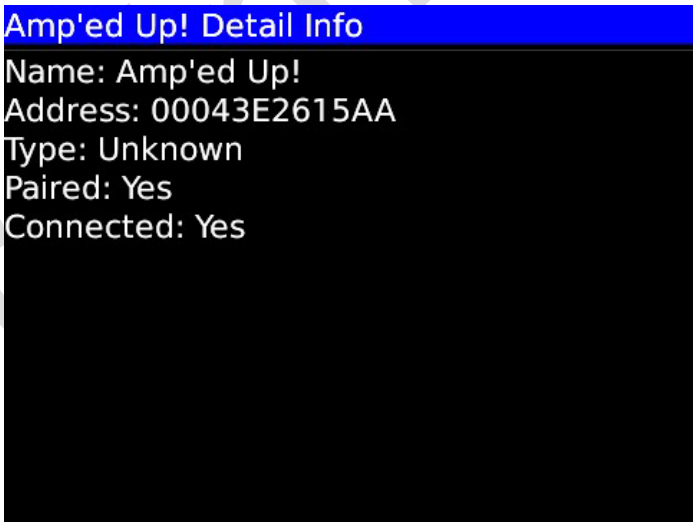
4.2.1. Connect

After pressing "Connect" sub menu, it connects to the device, if the device is not paired with the phone, it will appear with pairing dialog.



4.2.2. Detail

After pressing "Detail" sub menu, the following screen will display device information.



4.2.3. Re-Scan

The "Re-Scan" sub menu is for re-scanning the near by Bluetooth devices.

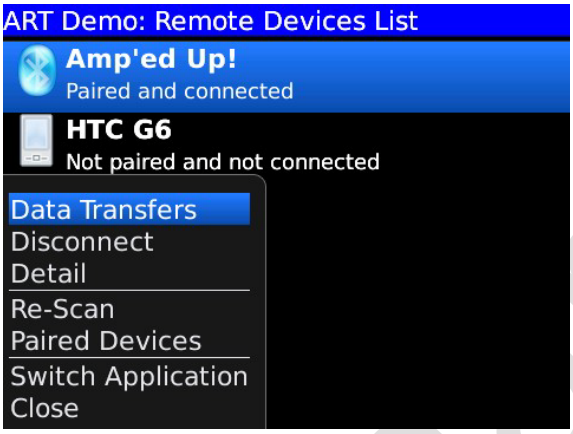
4.2.4. Paired Devices

The "Paired Devices" sub menu is getting all devices which are paired with the phone itself.

Preliminary

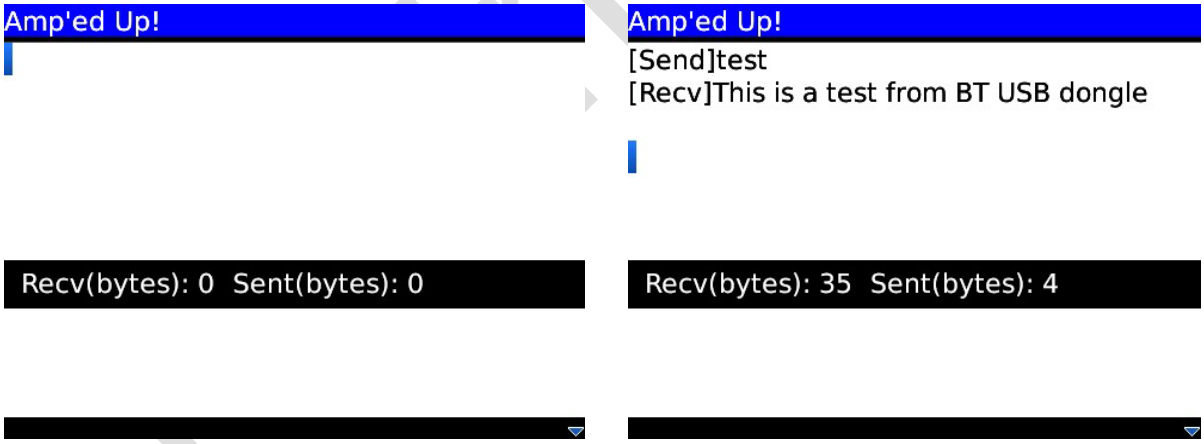
4.3. Device Connected

The phone is connected with the device then it will display the following menu: "Data Transfers", "Disconnect", "Detail", "Re-Scan" and "Paired Devices".



4.3.1. Data Transfers

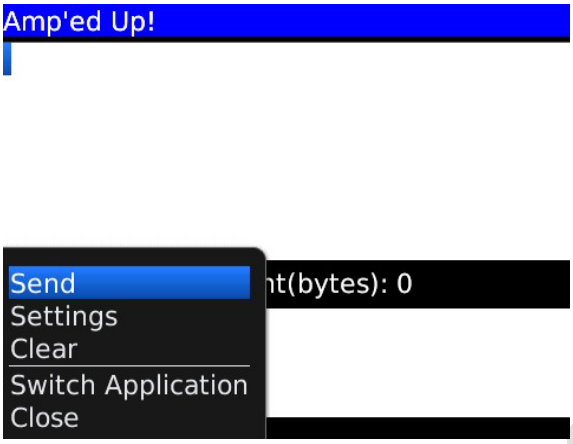
After pressing this menu is to start data transfers functions.



Enter text then press the "Send" sub menu to send it to the remote device by SPP link. The app will display the text when it receives the message from the remote device. The middle region displays how many data bytes were sent and received.

Pressing menu will display four sub menus: "Send", "Settings", "Clear" and "Stop".

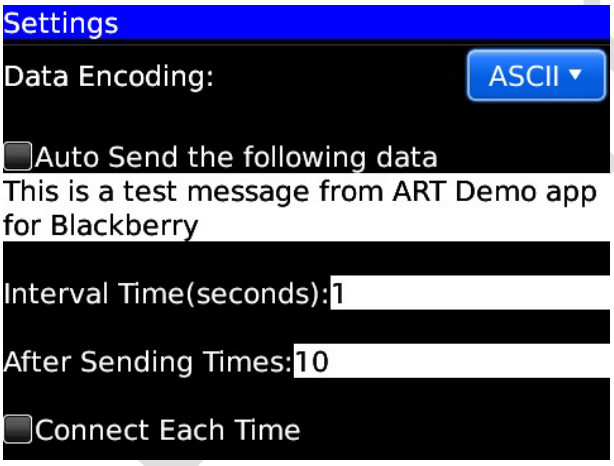
Preliminary

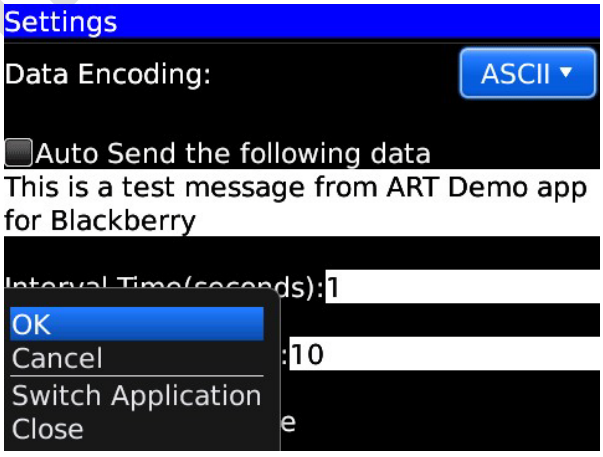


4.3.1.1. Send

Add text into the edit text field and press the “Send” sub menu send text to the remote device by SPP link.

4.3.1.2. Settings





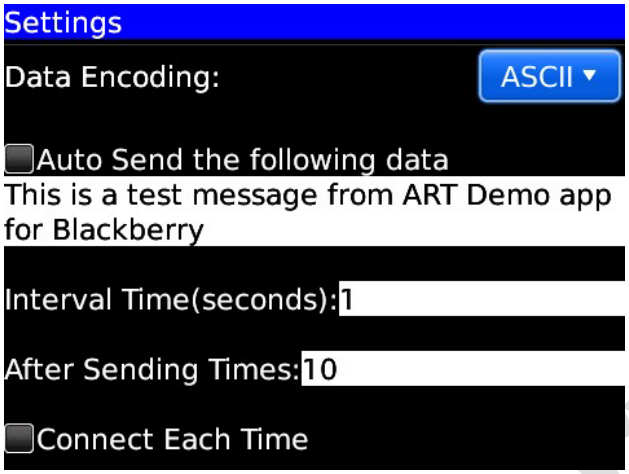
- **OK**

Press this menu to save these settings, and return to the "data transfers" screen. If it is set to “auto send”, the “data transfers” screen will start to send data automatically to the device.

- **Data Encoding**

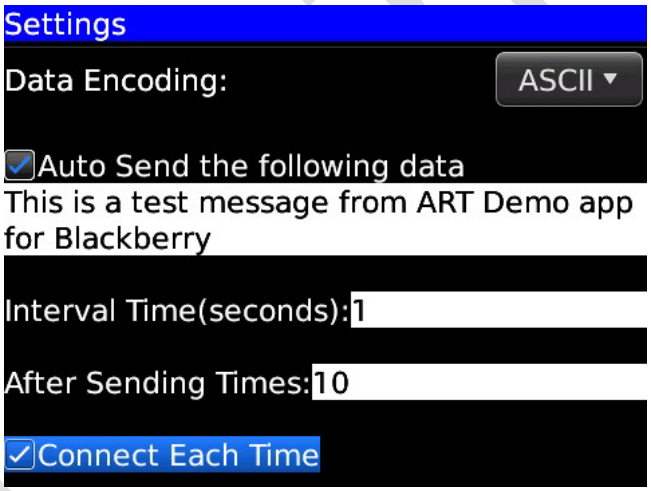
Data encoding can either be ASCII or UTF-8. The default value is ASCII.

Preliminary



- **Auto Send the following data**

This checkbox will enable the app to automatically send data to the remote device. The user define text is defined in the box below the checkbox.



- **Interval Time**

Set interval time to send data automatically each time.

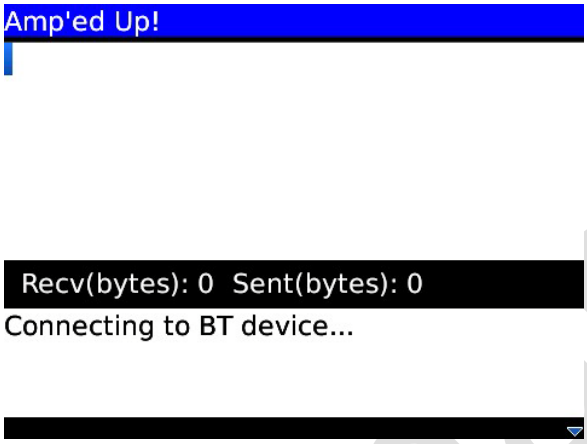
- **After Sending Times**

Set this value 10 means, after sending 10 messages, the app will perform re-connect to the device.

Primary

- **Connect Each Time**

The Connect Each Time enabled, than after every 10 messages, the app will re-establish the connection. Pressing the "Stop" button will stop automatic data sending operation.

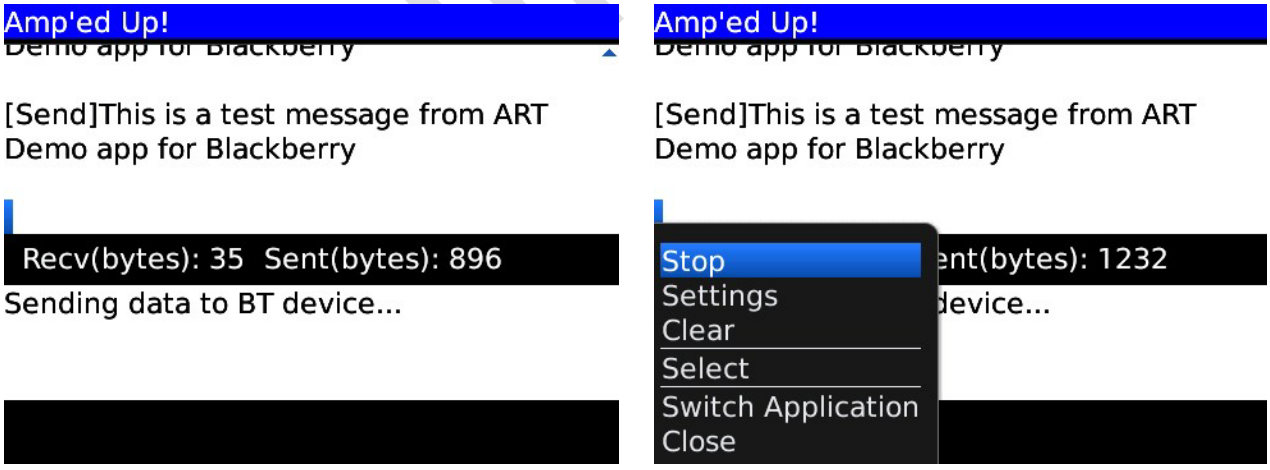


4.3.1.3. Clear

After pressing this sub menu is to clear all the data from Data Transfers Screen.

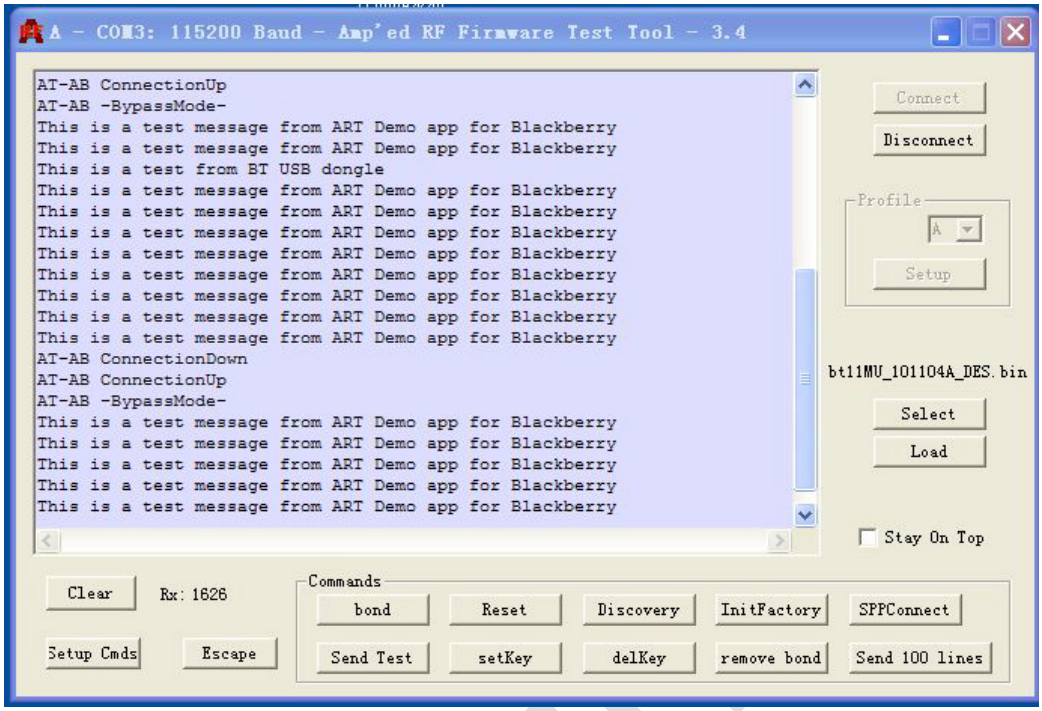
4.3.1.4. Stop

After pressing the "Stop" sub menu it will stop automatic data sending operation.



The USB dongle Screen was displaying messages when performing Auto-Send operation.

liminary



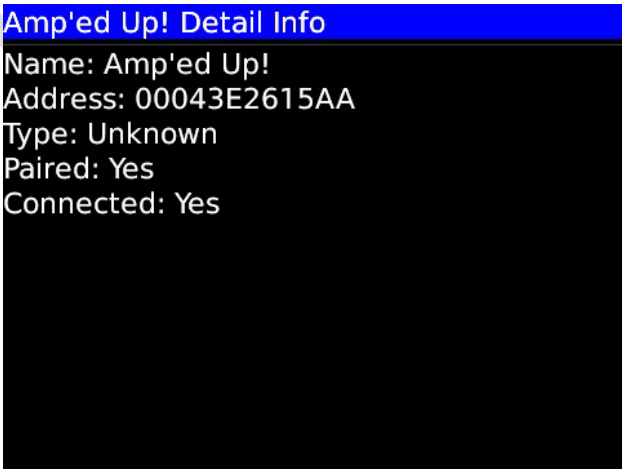
To restart the Auto Test please enabled the "Auto Send the following data" in a "settings".

4.3.2. Disconnect

After pressing this menu is to disconnect the connected Bluetooth Device.

4.3.3. Detail

After pressing "Detail" sub menu, the following screen will display device information.



Preliminary

4.3.4. Re-Scan

The "Re-Scan" sub menu is for re-scanning the near by Bluetooth devices.

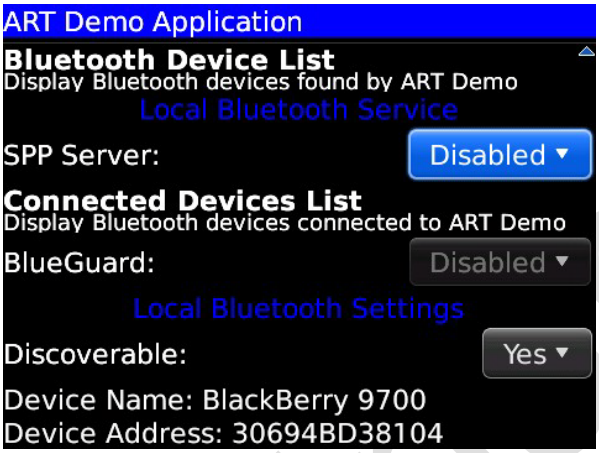
4.3.5. Paired Devices

The "Paired Devices" sub menu is getting all devices which are paired with the phone itself.

Preliminary

5. Local Bluetooth Service

Local Bluetooth Service has three settings options: "Enable SPP Server", "Connected Devices List" and "BlueGuard"

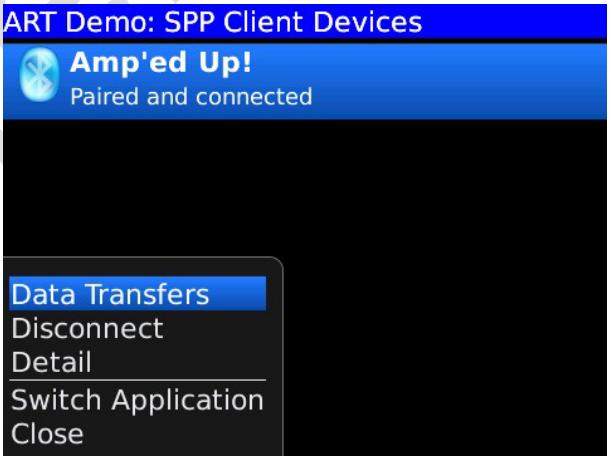


5.1. Enable SPP server

To start SPP server checked the "Enable SPP server" and to stop SPP Server unchecked the "Enable SPP server".

5.2. Connected Devices List

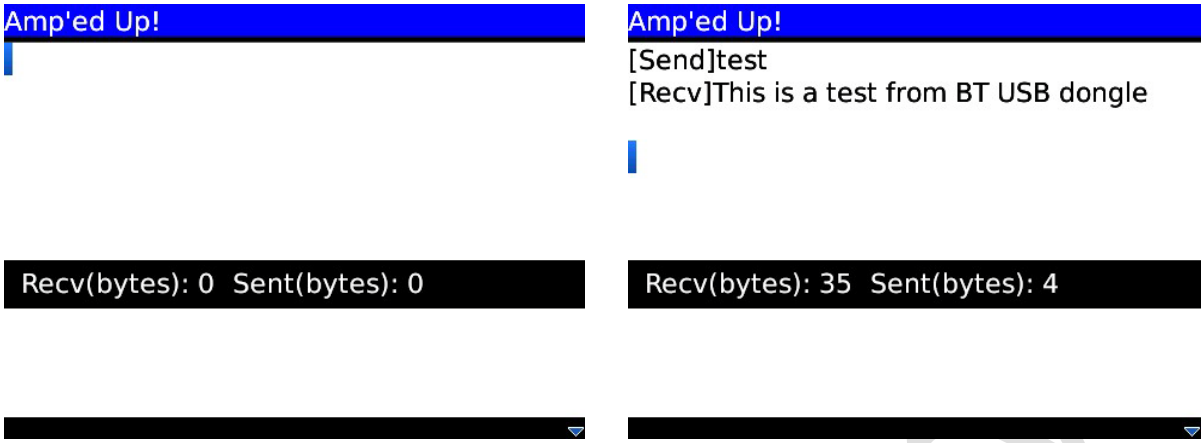
After pressing this setting it will display "Connected client device list". Select a client device, then press menu; it will display the following menu: "Data Transfers", "Disconnect" and "Detail".



5.2.1. Data Transfers

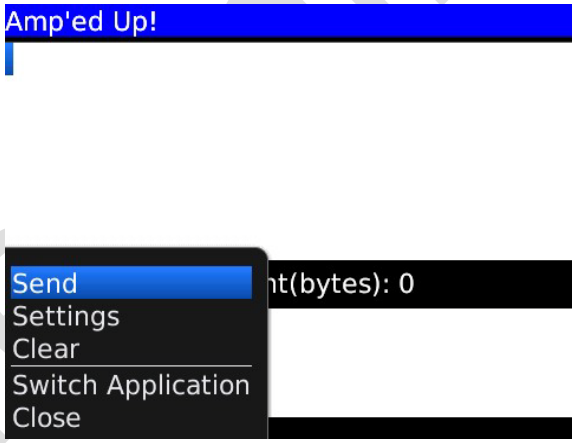
After pressing this menu is to start data transfers functions.

Preliminary



Enter text then press the "Send" sub menu to send it to the remote device by SPP link. The app will display the text when it receives the message from the remote device. The middle region displays how many data bytes were sent and received.

Pressing menu will display four sub menus: "Send", "Settings", "Clear" and "Stop".

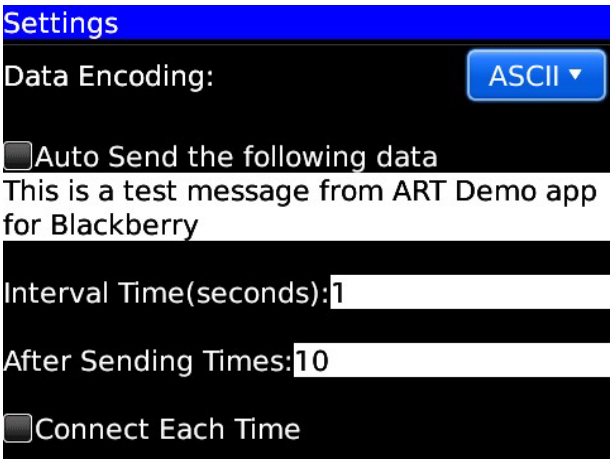


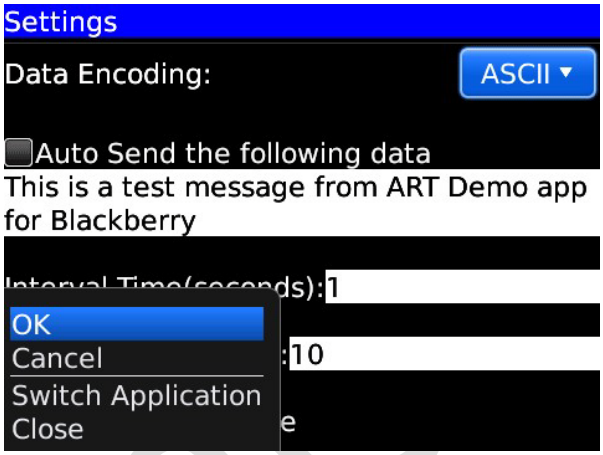
5.2.1.1. Send

Add text into the edit text field and press the "Send" sub menu send text to the remote device by SPP link.

Preliminary

5.2.1.2. Settings



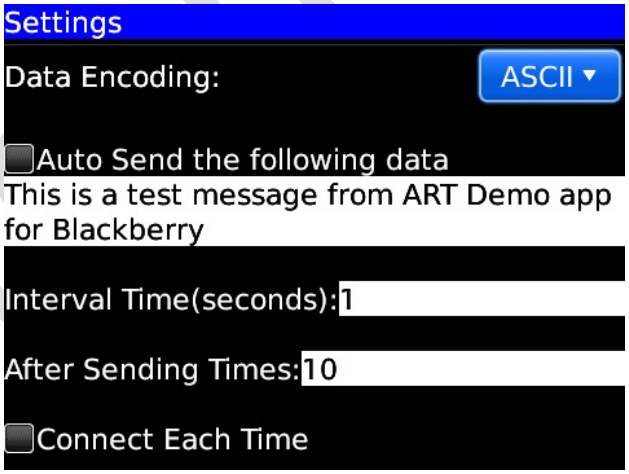


- **OK**

Press this menu to save these settings, and return to the "data transfers" screen. If it is set to "auto send", the "data transfers" screen will start to send data automatically to the device.

- **Data Encoding**

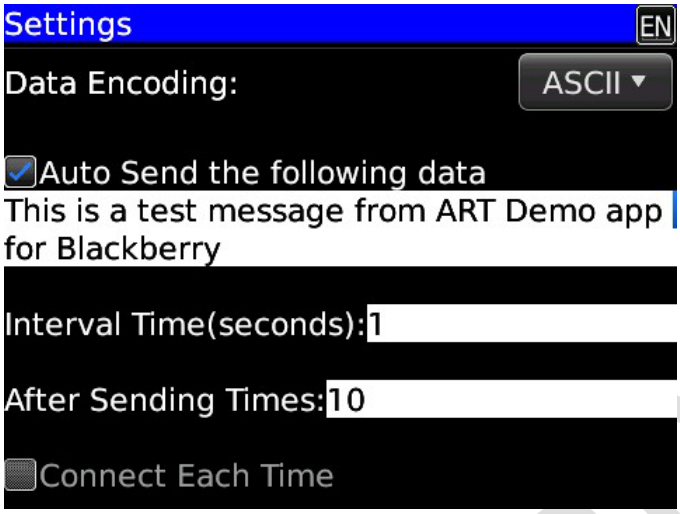
Data encoding can either be ASCII or UTF-8. The default value is ASCII.



- **Auto Send the following data**

This checkbox will enable the app to automatically send data to the remote device. The user define text is defined in the box below the checkbox.

Preliminary



- **Interval Time**

  Set interval time to send data automatically each time.

- **After Sending Times**

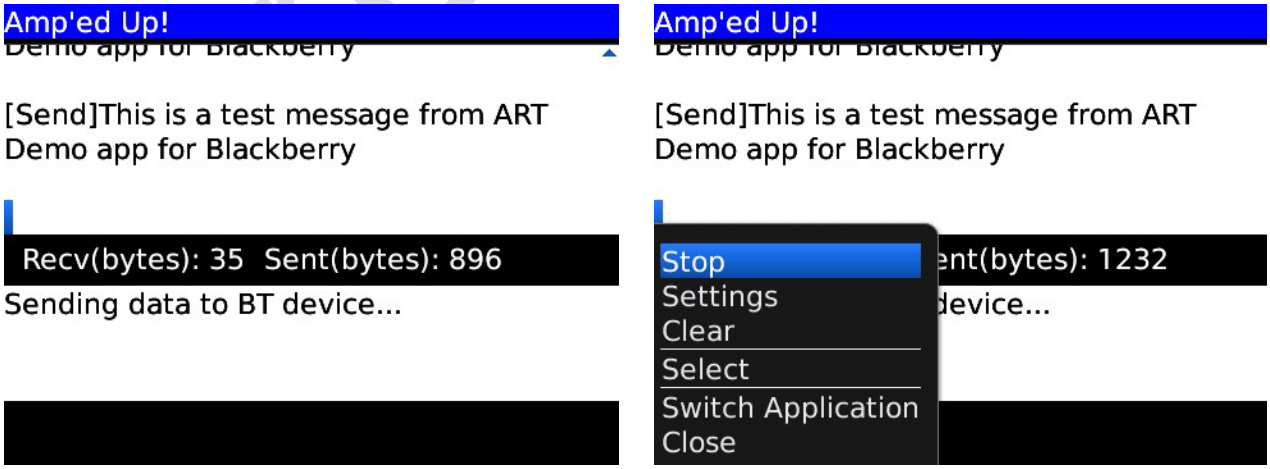
  This item is disabled.

- **Connect Each Time**

  This item is disabled.

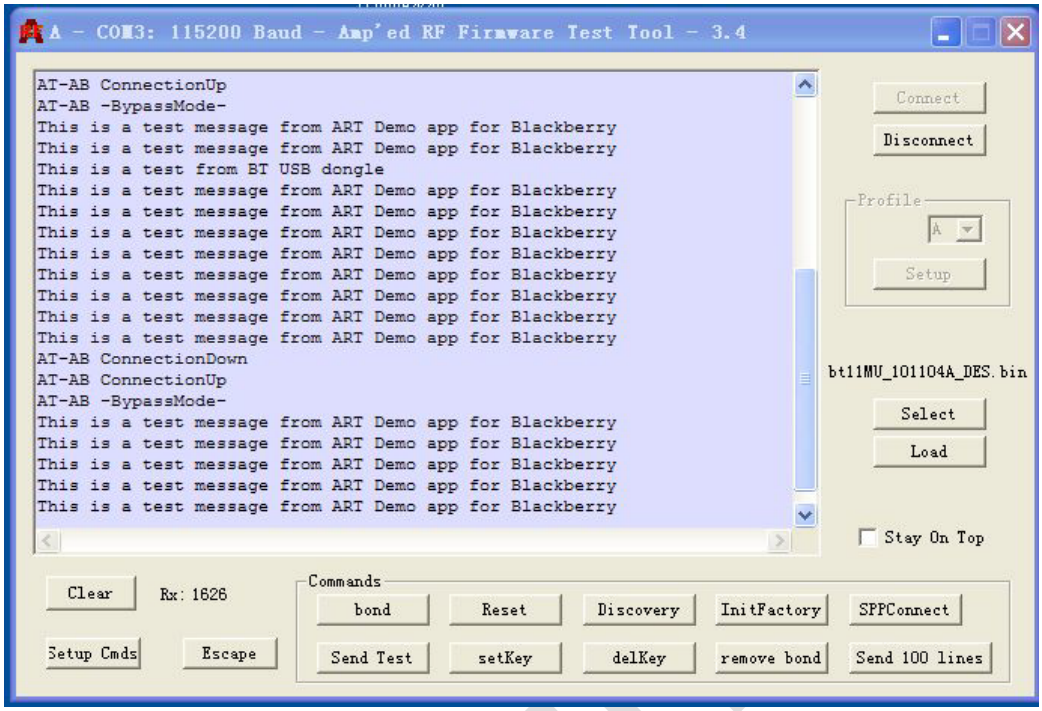
5.2.1.3. Stop

After pressing the "Stop" sub menu it will stop automatic data sending operation.



The USB dongle Screen was displaying messages when performing Auto-Send operation.

Preliminary



To restart the Auto Test please enabled the "Auto Send the following data" in a "settings".

5.2.1.4. Clear

After pressing this sub menu is to clear all the data from Data Transfers Screen.

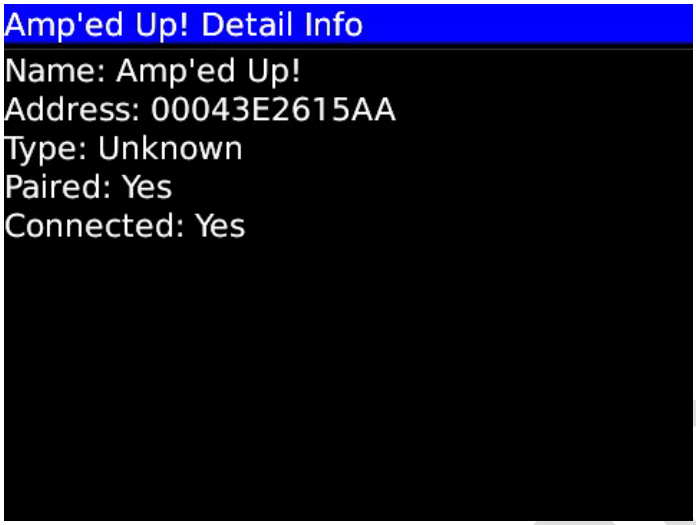
5.2.2. Disconnect

After pressing this menu is to disconnect the connected Bluetooth Device.

5.2.3. Detail

After pressing "Detail" the following screen will display device information.

Preliminary



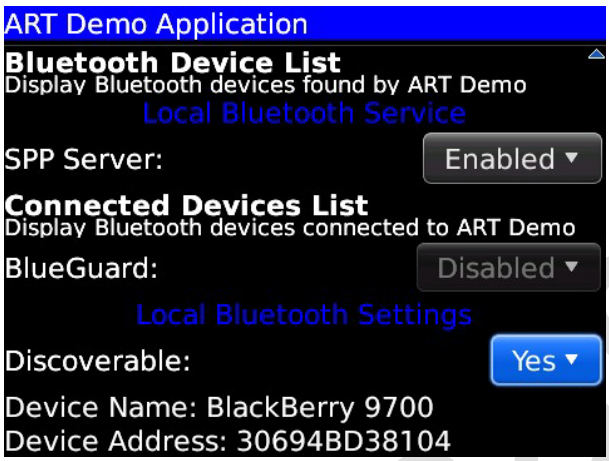
5.3. BlueGuard

BlueGuard is not supported for this version of application.

Preliminary

6. Local Bluetooth Settings

Local Bluetooth Settings have four options: "Discoverable", "Device Name", "Device Address".



6.1. Discoverable

In order to make phone discoverable please set the status to "Yes" or else select "No"

6.2. Device Name

This option is displayed the local Bluetooth device name.

6.3. Device Address

This option is displayed the local Bluetooth device address.

Preliminary

All Copyrights© reserved by Amp'ed RF Technology (2010 -2011).