


# Download CIPHERConnect to Android Devices

## Prior to Use of CIPHERConnect

**CIPHERConnect** is a COM-to-key utility designed for CIPHERLab cordless scanners (e.g. 156x and 166x) to work as an input device for the Android phone and tablet, enabling intensive data collection via Bluetooth Serial Port connection.

**CIPHERConnect** is ready and available via Google Play Store. Go online and look for the applications:

 **CIPHERConnect Pro** A free version with limited support

 **CIPHERConnect Demo** A demo interface displaying data collection from the scanner

Follow the instructions below to Download and Update for the mobile devices.

**Note** Get the latest update directly from CIPHERConnect Online Help site at <http://connect.cipherlab.com> or Google Play Store.

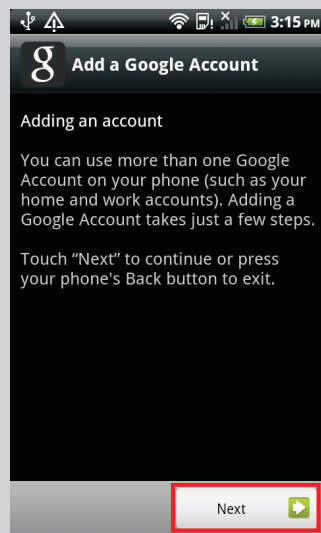
**Note** An external storage is required (e.g. SD card) for CIPHERConnect Demo.

## Download and Update

On the Home screen, press the [menu] key.

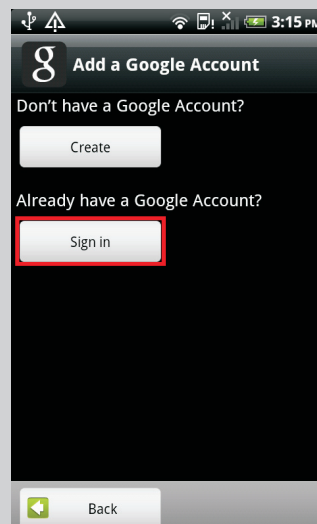
Go to **All apps** and select **Play Store**.

Touch [Next] to sign in with a Google account.



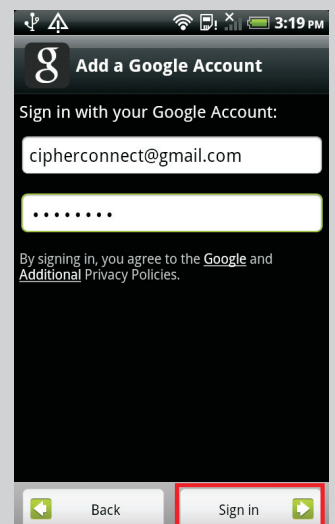
1

Touch [Sign in].



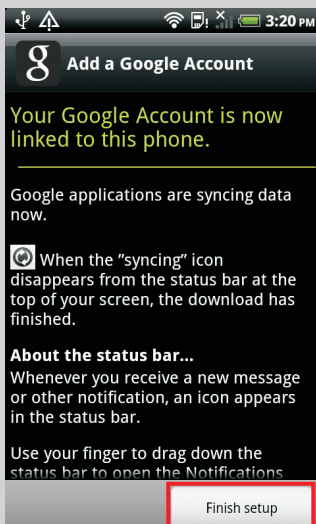
3

Input the username and password, and then touch [Sign in].



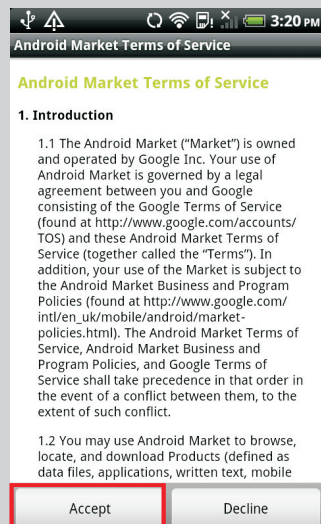
4

Touch [Finish setup].




5

Touch [Accept] to continue.



6

Touch the icon  to browse the market.



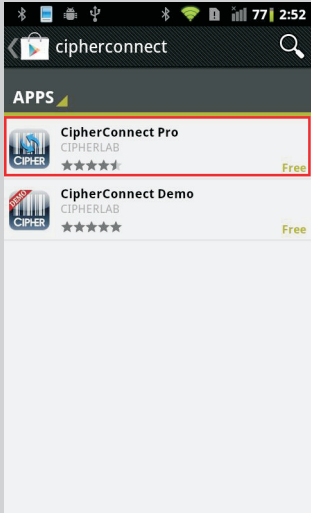
7

Type "cipherconnect" in the text field, and then touch [Enter].



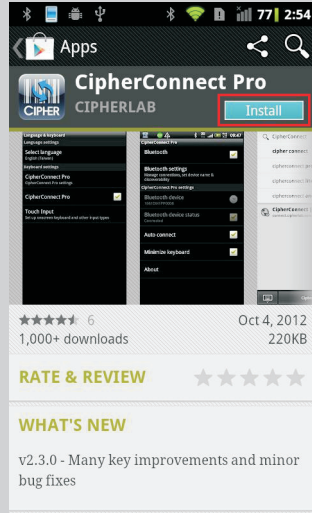
8

After searching the store with success, two apps icons show up. Touch **CipherConnect Pro** to continue.



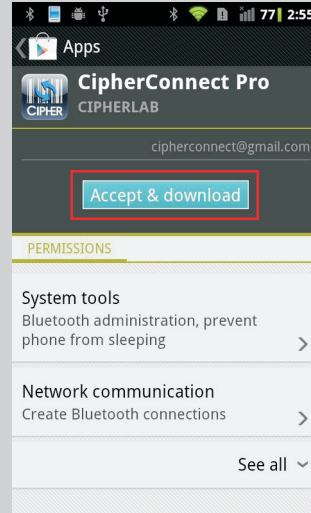
9

A description of the application is shown. Touch [Install] to continue.



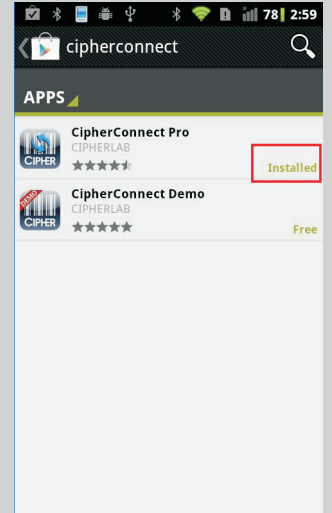
10

After you touch [Install], touch [Accept & download] to download the application.



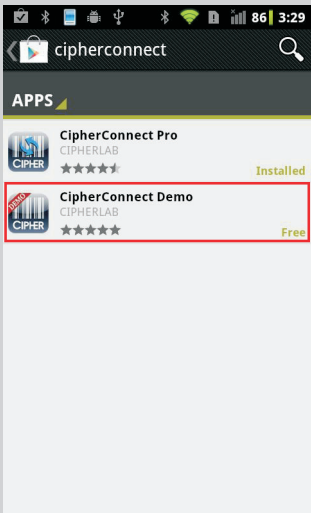
11

Once the download process is completed, the message "Installed" is displayed.



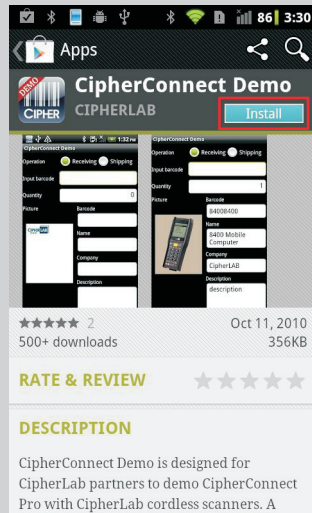
12

Then you can also touch **CipherConnect Demo** to install the demo utility.



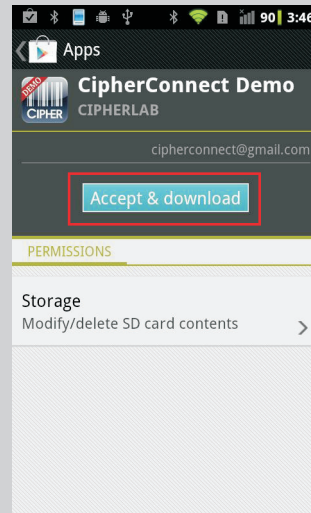
13

A description of the demo utility is shown. Touch [Install] to continue.



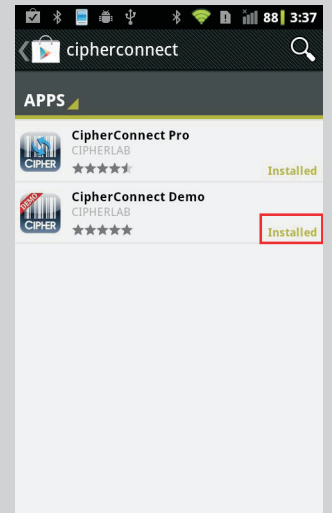
14

Touch [Accept & download] to download the application.



15

Once the download process is completed, the message "Installed" is displayed.



16



After download, the demo utility icon can be found in the application drawer. This is a utility for the purpose of demonstrating data collection.

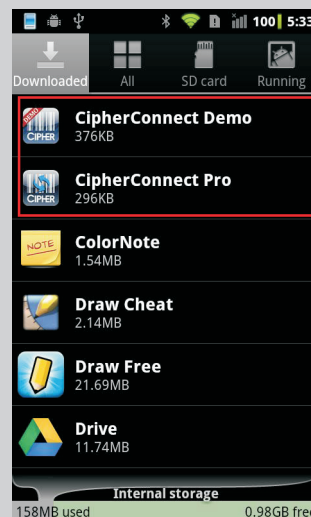
Before using **CipherConnect Pro** or **CipherConnect Demo**, please follow the steps in the **Connection and Configuration** section.



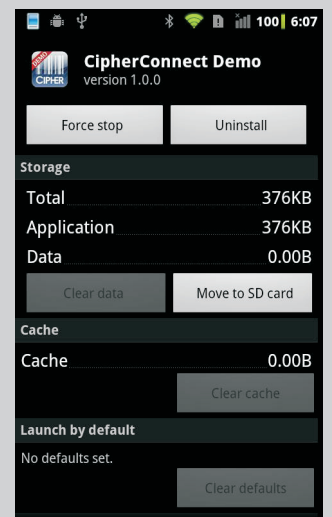
To uninstall the apps, press the [menu] key on the Home screen.

Go to **Settings | Applications** and select **Manage applications**.

Select **CipherConnect** from the application list.



The application info is displayed. Touch the highlighted buttons to execute desired commands.



# Configure CipherConnect for Android Devices

## Preparation for Scanner

CipherConnect is ready for use after successful downloads via Google Play Store. Working with CipherLab cordless scanners (156x and 166x), it can deliver optimal performance.

- 1 Turn on the scanner, and wait until the LED indicator becomes flashing blue.
- 2 Press the trigger to scan the barcode below to set the output interface as "BT SPP Slave".



Preset PIN <0000>  
SPP Slave Mode

- 3 The scanner is active at power-on for two minutes by default, waiting for a connection request from the mobile phone. Follow the instructions below for Connection and Configuration on the mobile device.

**Note** The mobile platform must be Android 2.1 and above with SPP profile; 1660 firmware must be version 1.33 or later; 1661 firmware must be version 1.04 or later; 1662/1664 firmware must be version 1.00 or later;

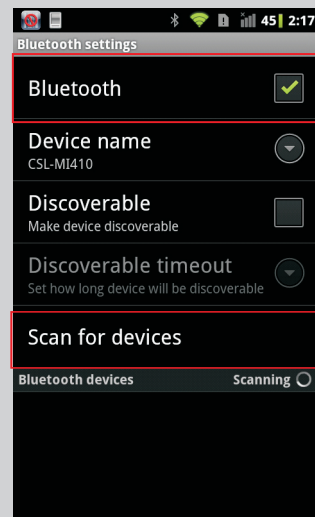
**Note** 1560/1562 firmware must be version 1.26 or later; 1564 firmware must be version 1.03 or later. You may use your own preset PIN code with the scanner. Yet, dynamic input of PIN is also supported. Refer to a separate scanner user guide for complete settings.

## Connection and Configuration

On the Home screen, press the [menu] key.

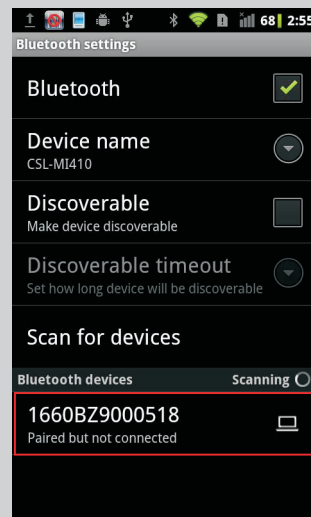
Go to **Settings | Wireless & networks** and select **Bluetooth settings**.

Touch **Bluetooth**. When the check box next to it is ticked, touch **Scan for devices** to find nearby Bluetooth® devices.



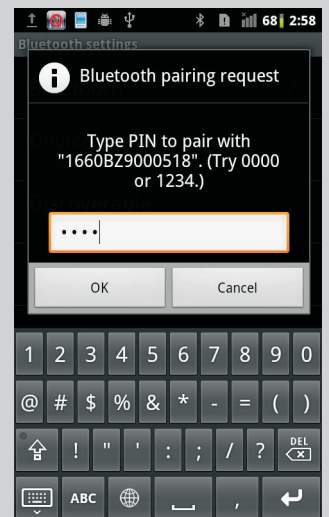
1

Select CipherLab scanner (e.g. 1660).



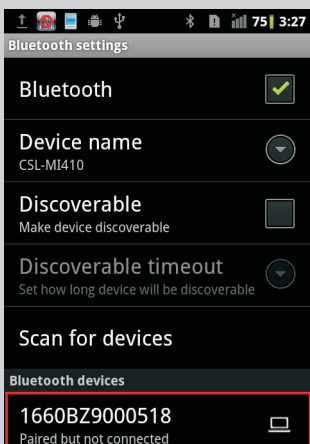
2

Input the preset PIN code (if you have scanned the barcode above, type '0000' in the field) of the scanner, and then touch [OK].



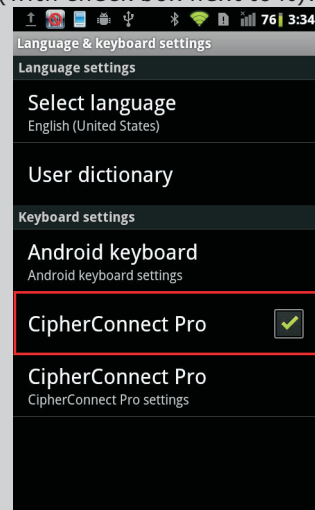
3

Once paired successfully, the message "Paired but not connected" is displayed beneath the device.



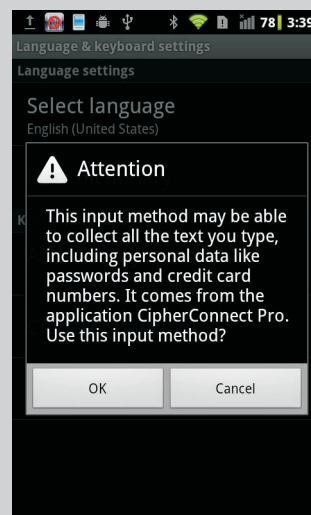
4

Return to main menu and go to **Settings | Language & Keyboard**. Touch **CipherConnect Pro** (with check box next to it).



5

Touch [OK] in the **Attention** dialog box to confirm the usage of **CipherConnect Pro** as the input method.



6

With the check box ticked, touch **CipherConnect Pro** (with "settings" message beneath) to configure settings.



7

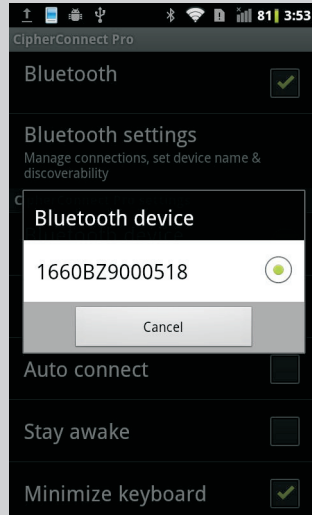


On **CipherConnect Pro Setting** screen, touch **Bluetooth® Device**.



9

Select the scanner from the **Bluetooth® Device** list.



10

Touch **Bluetooth® Device Status** to connect to the scanner. Once connected, the message "Connected" is displayed beneath it.



11



We suggest that you enable [Auto Connect]. After initial connection, it can automatically connect to the scanner upon execution, or resume connection once connection error is resolved.

With Transmit Buffer enabled on the scanner, you can continue scanning data even when getting out of range.



Connection Errors:

- Error** The scanner is getting out of range.  
**Action** Get back to range ASAP.

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- Error** The scanner becomes inactive after standing by for two minutes at power-on.  
**Action** Press the blue key to wake up the scanner.

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- Error** The scanner shuts down automatically after idling for ten minutes.  
**Action** Press the [Power] key to turn it on.

## CipherConnect Demo

Use this utility to experience how data collection works. You are supposed to use your own data collection utility.

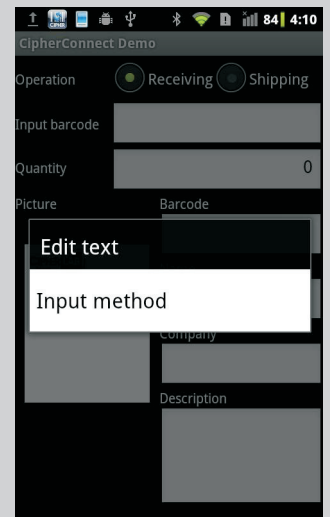
12

Press the [menu] key on the Home screen, and go to **All apps**. Touch **CipherConnect Demo**.



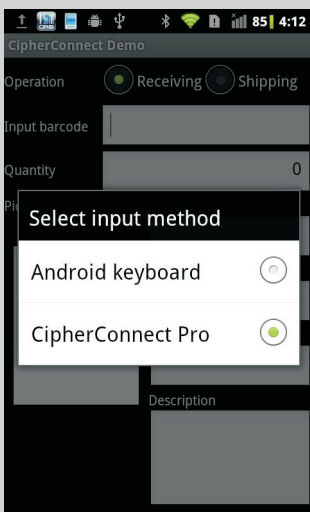
13

Touch and hold the input field "Input barcode", and then select [Input method] from the **Edit text** option.



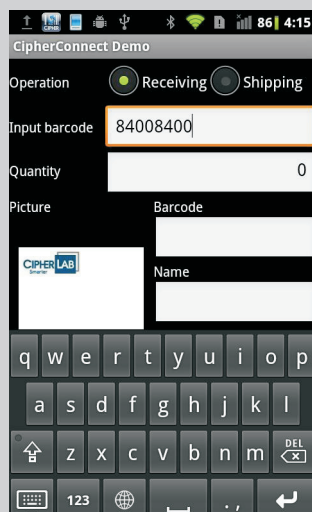
14

Switch the input method to **CipherConnect Pro**.



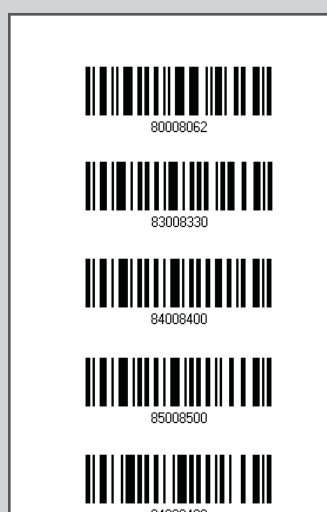
15

Once **CipherConnect** keyboard is displayed on the screen, trigger the scanner to read a testing barcode.



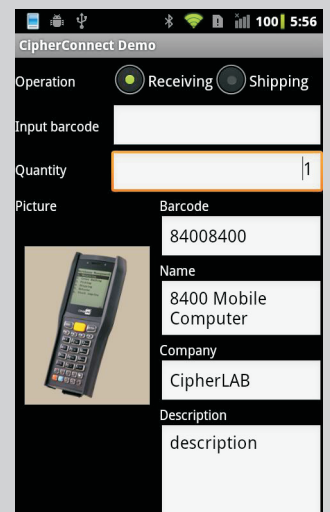
16

Testing Barcodes for Use with Demo Database



17

Take Receiving Operation for example. The barcode input will bring up product details from the demo database.



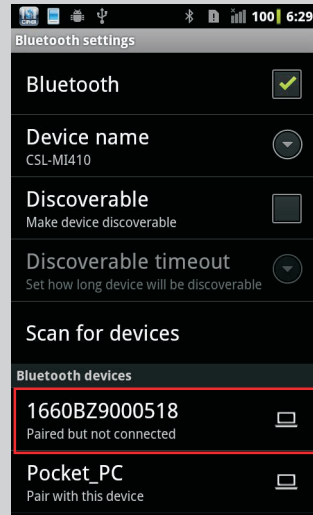
18



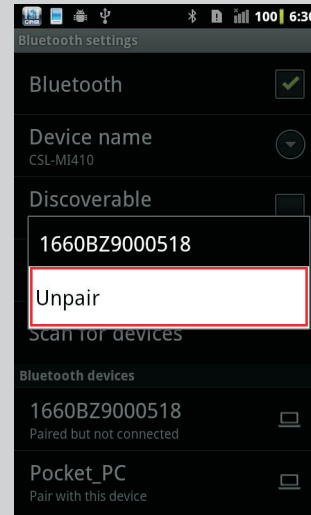
Tip


To unpair a device, touch the **Bluetooth® settings** on the **CipherConnect Pro** screen.

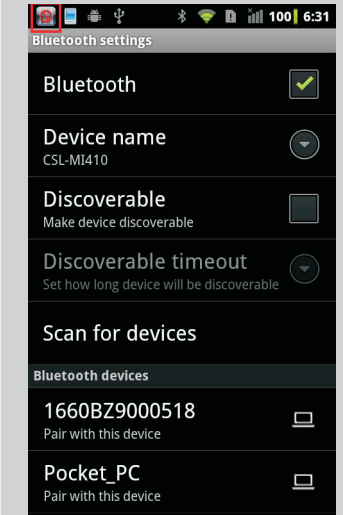
On **Bluetooth® settings** screen, touch and hold the paired device.



Touch [Unpair].



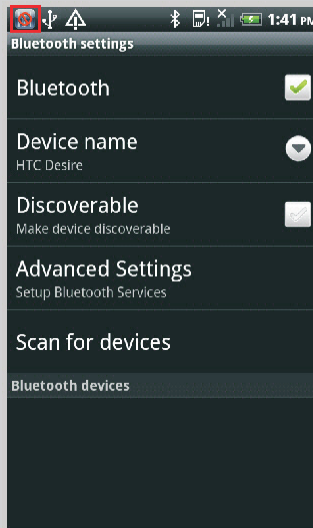
The **CipherConnect** icon on the status bar becomes  to indicate the mobile phone is disconnected from the scanner.



Tip

Check for the **CipherConnect** keyboard status.

See the **CipherConnect** icon on the status bar.



Learn the **CipherConnect** icon:

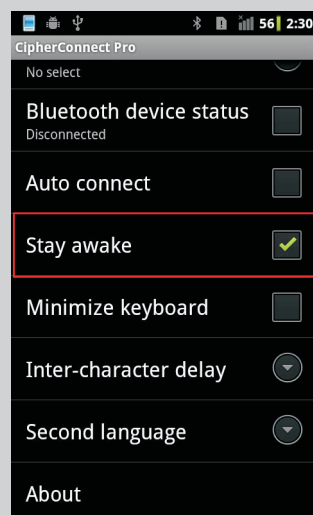
	Indicates the mobile phone is connected with the scanner.
	Indicates the mobile phone is connecting to the scanner.
	Indicates the mobile phone is disconnected from the scanner. Check if any of the connection error conditions is met.



Tip

Touch **Stay awake** to keep the screen from turning off while the scanner is connected to **CipherConnect**. If the connected scanner gets into sleep mode, **CipherConnect** is disconnected and the screen will enter power saving mode.

On **CipherConnect Pro** screen, touch **Stay awake**.

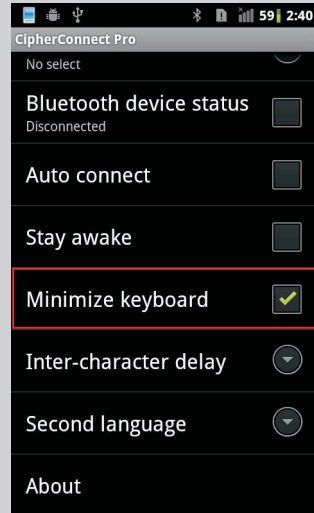




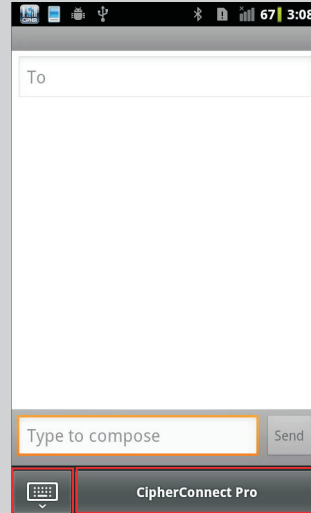
**Tip**

Select **Minimize keyboard** to reserve more screen spaces for showing application data.

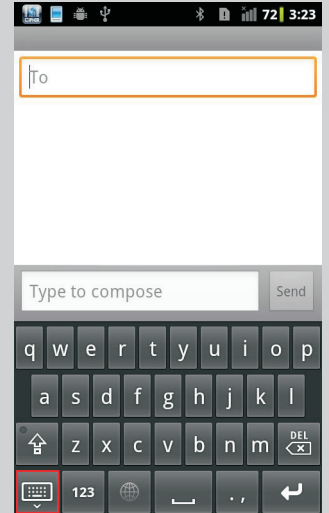
On **CipherConnect Pro** screen, touch **Minimize keyboard**.



Touch the keyboard icon to hide the two buttons at the bottom. Or touch the **CipherConnect Pro** button to show the on-screen keyboard.



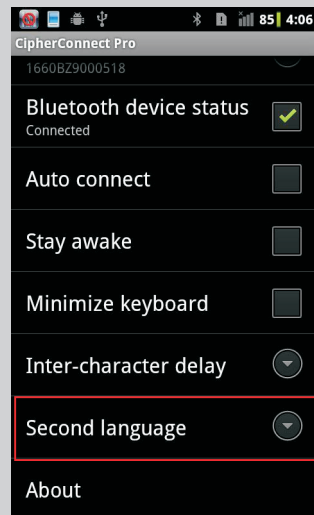
When the on-screen keyboard displays, touch the keyboard icon to hide it.



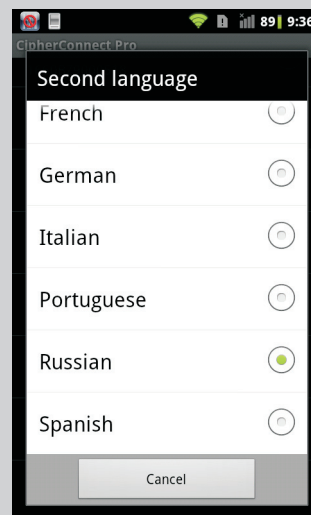
**Tip**

Select **Second language** to enable the language toggling button of the on-screen keyboard.

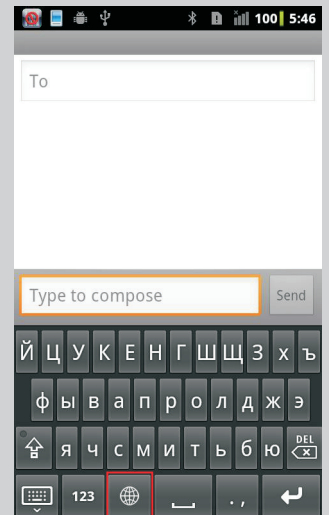
On **CipherConnect Pro** screen, touch **Second language**.



Select a language option from the list as the second keyboard language.



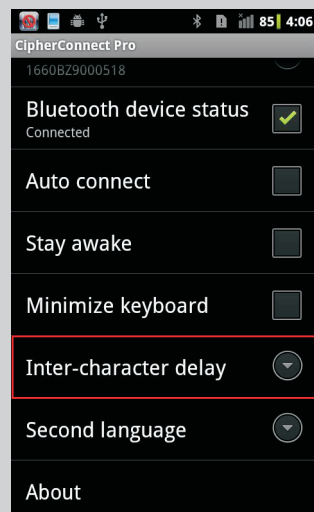
Touch the graphic icon to toggle between English and the selected second keyboard language.



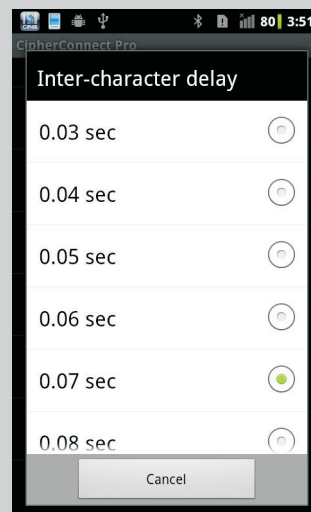
**Tip**

Touch **Inter-character delay** to configure the delay time between characters.

On **CipherConnect Pro** screen, touch **Inter-character delay**.



Select the delay interval ranging from 0.03 to 0.1 seconds.



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