



KDC8 Data Wedge Guide for Android

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EXPOSURE TO THE BEAM MAY CAUSE EYE DAMAGE.

CAUTION:

Changes or modifications not expressly approved by the manufacturer must be responsible in compliance with KOAMTAC, Inc. Failure to comply may prohibit the user's authority to operate the equipment.

1. Introduction

1.1. KTSync

KTSync is an application that enables the user to collect data, such as barcodes, MSR, NFC, and UHF from KOAMTAC KDC devices. The user can also configure their KDC device with KTSync.

From 3.3.15, KTSync Android supports KDC8 Data Wedge functionality.

When using the Data Wedge feature, KTSync is working as a BLE peripheral and accepts the connection request. If a barcode is scanned using KDC8, the application on another connected device can receive the barcode data.

2. KDC8 Data Wedge Configuration

2.1. Preparation

1. Install ì KTSyncî . You can download it from the Google Play Store.
2. Android devices must be paired with each other.
3. KDC8 must have been successfully activated.

Device Roles in This Setup:

This setup involves two Android phones, Phone A and Phone B, each with a specific role:

Phone A (Client Mode Device):

Technically, Phone A works as a BLE peripheral [GATT Server], like a barcode scanner.

KDC8 must be activated and running on this device. Scanned data is broadcast to connected devices. This is called the ì Client Mode device.î

Phone B (Host Device):

Technically, Phone B acts as a BLE central [GATT Client].

Receives scanned barcode data from the Client Mode device when connected. This is called the ì Host Mode device.î

** Notes*

In this guide, we used "Samsung XCover 6 Pro" as Phone A and "Samsung Galaxy A35" as Phone B.

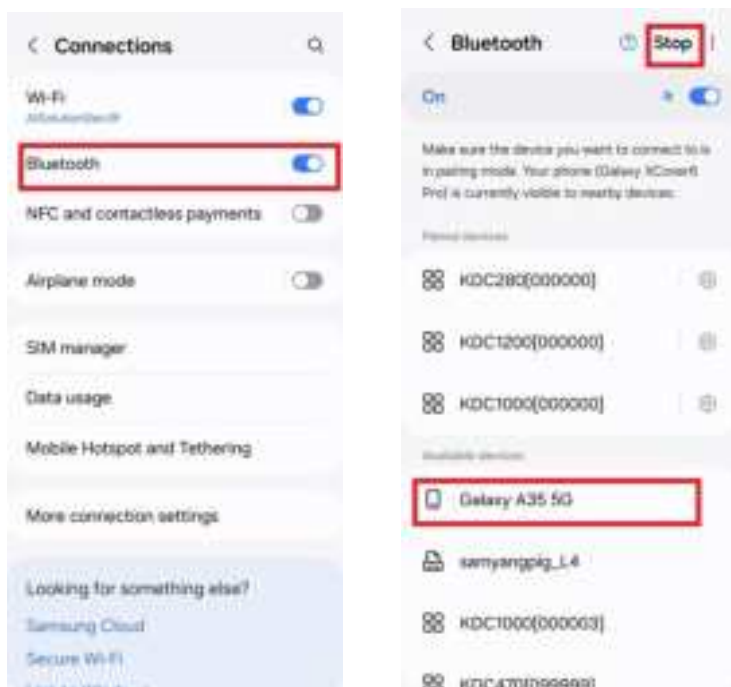
Both are Android 14 devices.

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2.1.1. Bluetooth Pairing

Please go to Android Settings > Connections > Bluetooth, and make sure Bluetooth is on.

When Phone A and Phone B enter the menu, the phone appears under `available devices`.



If Bluetooth pairing is successful, the device will show in `Paired devices`.



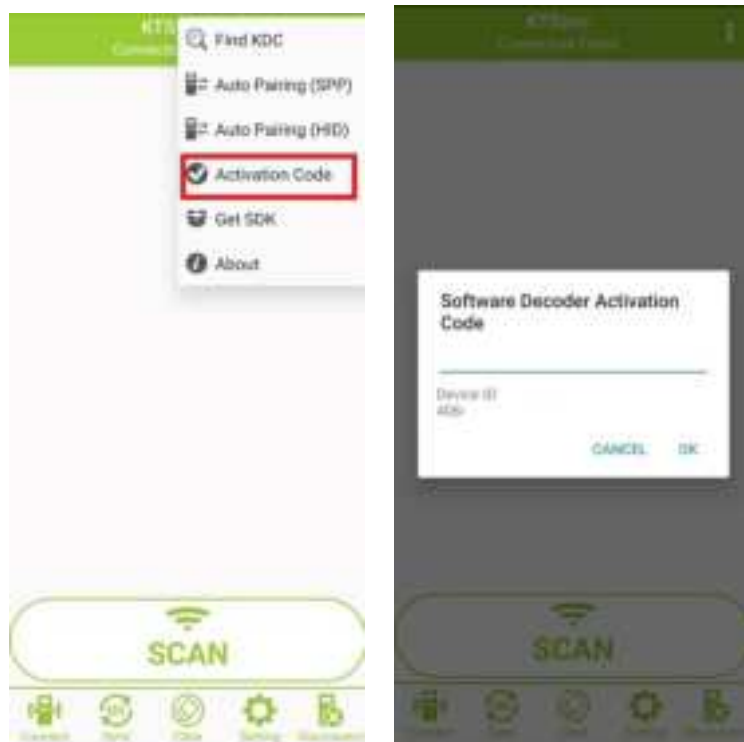
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2.1.2. KDC8 Activation

On Phone A [Client],

You must activate KDC8. You can input the code and activate KDC8 as follows.

Please contact KOAMTAC to request an activation code.



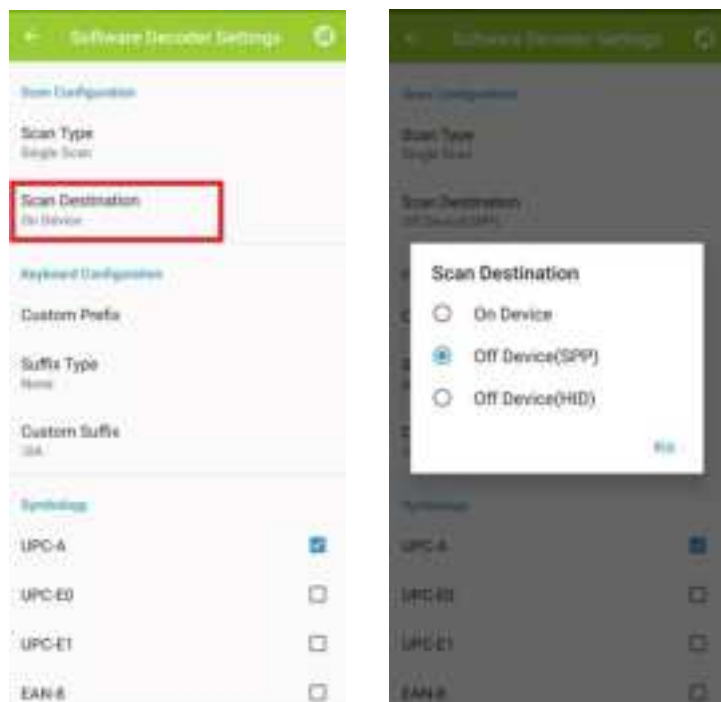
2.1.3. Scan Destination

On Phone A,

You must change the 'Scan Destination' setting for KDC8 to 'Off Device(SPP)'.

Once configured, Phone A will function as a BLE peripheral, like a barcode scanner, allowing other devices to connect to it.

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* Notes

Software Decoder Settings will show if KDC8 is activated.

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Now, Phone A begins BLE advertising, making it ready to accept connections when disconnected.



*** Notes**

To accept a connection request, BLE advertising must remain active on the Client Mode device.

If the connection fails due to an advertising issue or you want to connect another device, press the "Connect" button to restart BLE advertising.

BLE advertising will stop if you click the "Disconnect" button.

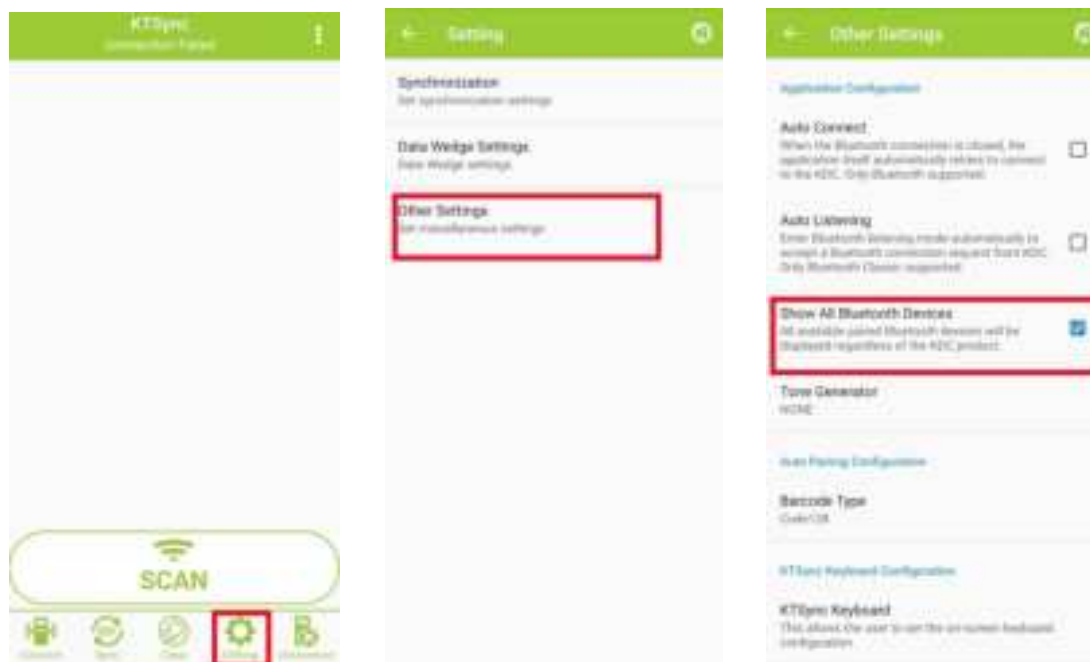
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2.1.4. Show All Bluetooth Device

On Phone B [Host],

By default, KTSync only shows KDC products.

However, to use KDC8 Data Wedge, you must connect to the other phone (Phone A). You must select the option 'Show All Bluetooth Devices' to allow connections to non-KDC products.



If set, KTSync on the Host device will also display other paired BLE devices in addition to KDC products.



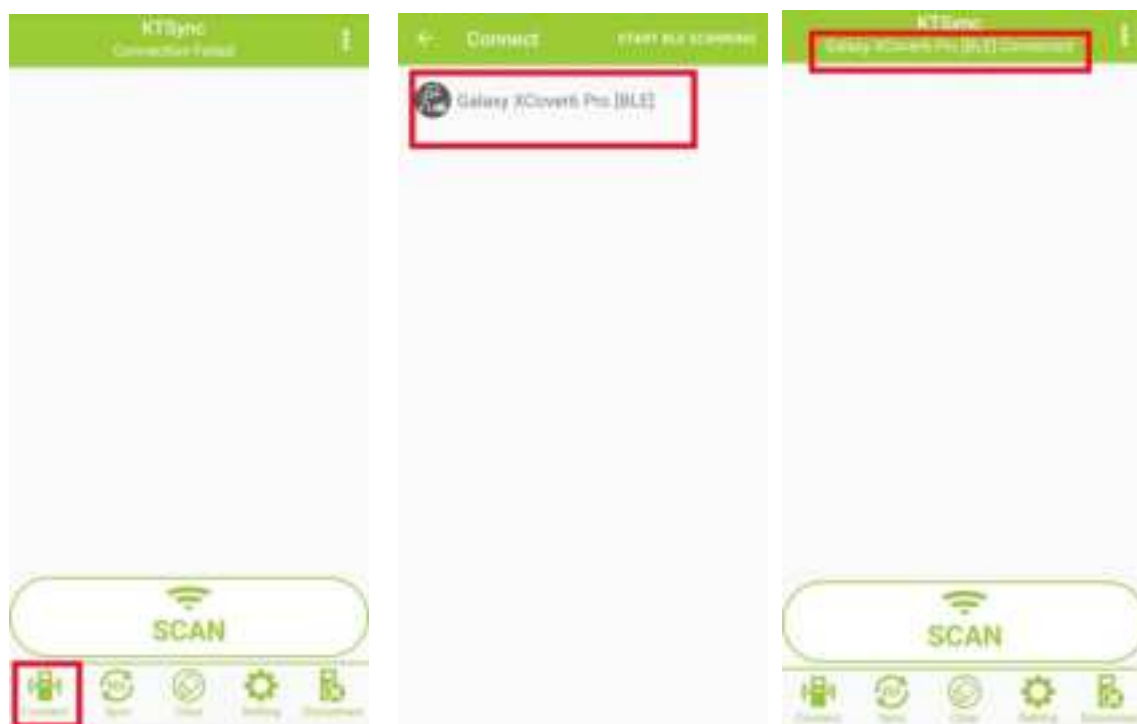
3. KDC8 Data Wedge Procedure

3.1. Connection

On Phone B,

Please select the paired Phone A [Client] from the available device list.

If the connection is successful, the 'Connected' message will be displayed.



* Notes

The BLE connection on the Client Mode device is managed by the system and it is maintained by the system even if you close KTSync on Client mode device.

You should disconnect explicitly from the Host Mode device side.

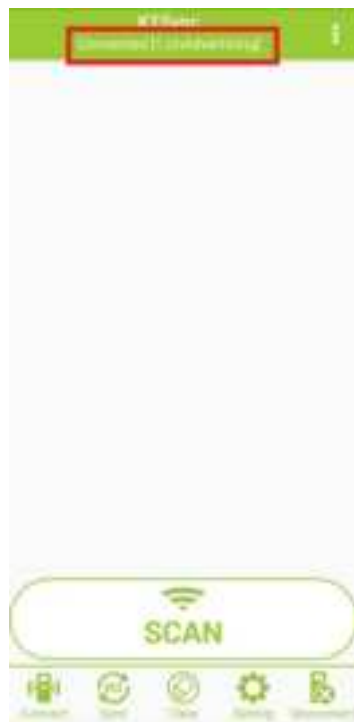
If not, scanned barcodes won't be received properly, although it seems that the connection is established.

If that is the case, please disconnect from BLE central side (Phone B) or reset the Bluetooth power on Phone A.

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On Phone A,

If the device is connected, the connection state will be changed and BLE advertisement is stopped.



** Notes*

The BLE connection on the Client Mode device is managed by the system and it is maintained by the system.

If the connection is established outside the application or managed by the system, the connection status may change unexpectedly, potentially causing minor issues.

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3.2. Scan Barcode

On Phone A,

Tap the 'Scan' button to scan a barcode using KDC8.

When a barcode is scanned, the data will be sent to the connected device, if the connection was successfully established.



4. Contact Information



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