



B2 Mobile Test Suite User Guide

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Powered by B2»

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Revision History

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Chapter 1 - Overview

1.1 B2 Mobile Test Suite - Purpose

The B2 Mobile Test Suite (MTS), which consists of two smartphones pre-loaded with static device test accounts – including American Express, Discover, Mastercard and Visa – allow organizations to test various forms of mobile payments that consumers may use when making purchases.

1.2 Target Audience

This document is intended for integrators, developers, POS vendors and merchants who wish to develop and test a solution that supports mobile payments using the B2 MTS.

Chapter 2 - B2 Mobile Test Kit Contents

The following items comprise a B2 MTS kit.

- Apple® iPhone® 8
- Samsung® Galaxy® S7
- MTS Case
- Apple® lightning to USB cable
- Apple® USB power connector
- Samsung® USB power connector
- USB 3.0 (comes with Samsung®)
- USB to micro USB cable
- 2 x SIM cards, installed in each phone
- 2 x SIM Card Extraction tool, included with phone user guides
- Apple® Welcome to iPhone® Reference Card
- Samsung Quick Reference Manual

Chapter 3 - Apple® iPhone

This section will outline some information about the iPhone® and its use in a testing environment.

This is a view of the iPhone home screen.



3.1 Powering On and Off

To turn the iPhone® on, press and hold the side button until the Apple logo® appears.

To turn the iPhone® off, press and hold the Side button until the red slider appears then select and drag the Power icon to the right.

You can refer to the Apple® Welcome to iPhone® Reference Card for additional information on operation of the phone.

3.2 Settings

3.2.1 Passcode and Touch ID®

The passcode for the iPhone® is '2580'. Touch ID® can be configured if the customer chooses to.

3.2.2 Connectivity

Online connectivity is needed to remotely manage and update the iPhone®, or to add cards to the Apple Wallet™. This is primarily done via Wi-Fi. To set up your Wi-Fi tap the Settings icon, then choose Wi-Fi. The phone is shipped with Airplane Mode ON. A SIM card is installed in the phone if Wi-Fi connectivity isn't available. To activate the SIM for data usage, please contact B2 at mobile@b2ps.com. Additionally, if you activate the SIM you will need to turn OFF Airplane Mode and turn ON Cellular Data.

3.2.3 Display Lock

The phone screen will shut off after five minutes of idle time. This can be adjusted by selecting Settings->Display & Brightness->Auto-Lock.

3.3 Apple Wallet™

The Apple Wallet™ contains eight cards, two each for American Express, Discover, Mastercard, and Visa. The Apple Cash card isn't activated. Appendix A has information on the cards.

Chapter 4 - Samsung® Galaxy® S7

This section will outline some information about the Galaxy® S7 and its use in a testing environment.

This is a view of the Samsung S7 home screen.



4.1 Powering On and Off

To turn the Galaxy® S7 on, press and hold the Power/Lock key until the screen lights.

To turn the Galaxy® S7 off, press and hold the Power/Lock key, then tap 'Power Off' on the screen, then tap 'Power Off' a second time.

You may refer to the Samsung® Quick Reference Manual for additional information on operation of the phone.

4.2 Settings

4.2.1 Passcode

The passcode isn't configured.

4.2.2 Connectivity

Online connectivity is needed to remotely manage and update the Galaxy® S7. This is primarily done via Wi-Fi. To set up your Wi-Fi tap the 'I' icon, choose 'Settings', then Wi-Fi. A SIM card is installed in the phone if Wi-Fi connectivity isn't available. To activate the SIM for data usage, please contact B2 at mobile@b2ps.com. Additionally, if you activate the SIM you will need to turn ON Cellular Data.

4.2.3 Display Lock

The phone screen will shut off after ten minutes of idle time. This can be adjusted by tapping the 'I' icon, choose 'Settings', and then Display.

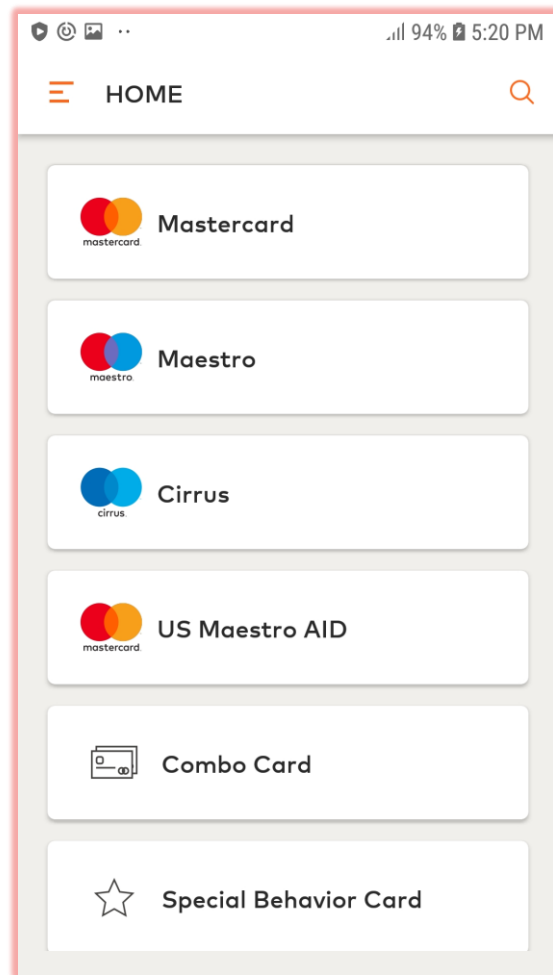
4.3 Apps on the Phone

4.3.1 Samsung Knox® Management

This app assists in remote management of the phone. This isn't used for normal testing by the customer.

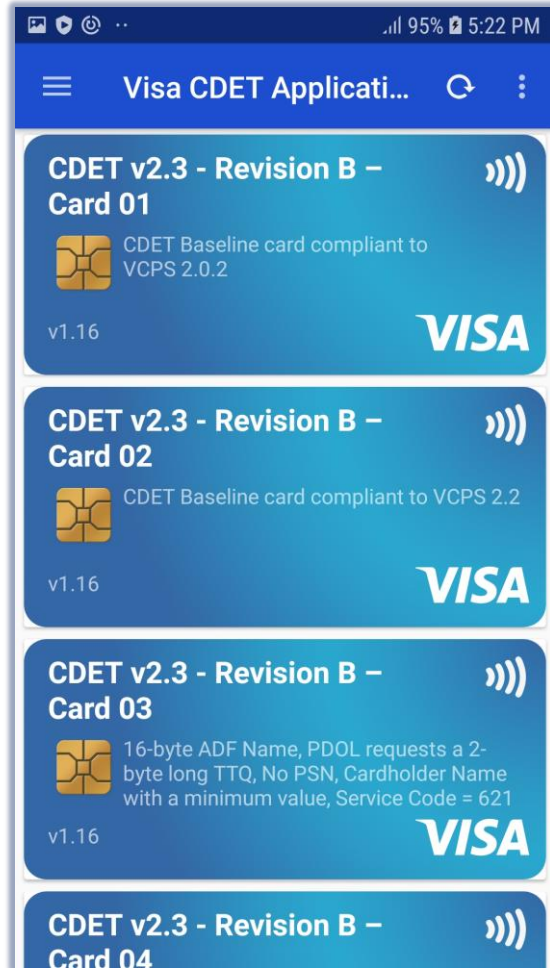
4.3.2 Mastercard Contactless Test Tool

This app contains copies of the card images found in Mastercard's MTIP. This is a view of the main app screen.



4.3.3 Visa CDET

This app contains copies of the card images found in Visa's CDET. This is a view of the main app screen.



Please note, when switching between the Mastercard and Visa apps you will be prompted with “Replace default payment app?” Select ‘REPLACE’.

4.4 Transaction Tracing and Log Files

The Mastercard and Visa apps both communicate with the contactless interface on a PIN Pad/POS Terminal via the phone's NFC interface.

The information transmitted between the NFC interface and contactless reader can be displayed on the phone's screen, as well as stored in log files.

For further review, the log files can be transferred to a Windows-based computer or a computer with MacOS. To transfer the files, connect the included USB cable between the phone and the computer.

On a Windows-based computer the phone will be visible in Windows Explorer. On a MacOS-based computer you will need to install an app called 'Android File Transfer'.

Once the phone is connected to a computer, the log files can be found on the phone in these locations:

Mastercard: \Document\Mastercard_L3_Logs
Visa: \CDET\logs

To ensure that logging is turned on in each app, check the following settings:

Mastercard: Menu -> Settings -> 'Display Logs' slider to the right.
Also, the storage path of the log files is listed here as well.
Visa: Menu -> Settings -> Tick the 'Display Log' box

Chapter 5 - Support

For any support issues you may have or for questions related to usage and functionality of the phones, as well as additional guidance on how to handle hardware issues please contact mobile@b2ps.com.

As mentioned previously, each phone is managed using the B2 Mobile Device Management (MDM). This gives B2 the ability to remotely update applications on the phone, and in the case of the Samsung® Galaxy® S7 the ability to remotely control the phone.

Appendix - Apple Wallet™ Test Cards

A.1 American Express 1

Last 4-digits of card PAN 2212
Device Account Number (DAN): 3702 957571 60955

A.2 American Express 2

Last 4-digits of card PAN 9159
DAN: 3702 959001 00684

A.3 Discover 1

Last 4-digits of card PAN 5037
DAN: 6504 8402 4170 4177

A.4 Discover 2

Last 4-digits of card PAN 8741
DAN: 6504 8402 4043 1855

A.5 Mastercard 1

Last 4-digits of card PAN 1471
DAN: 5204 2427 5008 6937

A.6 Mastercard 2

Last 4-digits of card PAN 1488
DAN: 5204 2402 5037 2716

A.7 Visa 1

Last 4-digits of card PAN 0492
DAN: not-static

A.8 Visa 2

Last 4-digits of card PAN 0224
DAN: not-static