



Brew MP Tools Validation Report
Pantech CDM8999

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Section 1 Summary

The following tools validation report is intended to communicate how well the Brew MP tools perform on the device. The data contained herein is not intended to demonstrate any capability of the hardware itself, rather just the Brew MP software and developer tools.

Throughout the document there are many abbreviated and technical terms. If any of these terms are unfamiliar, please refer to the Brew MP Glossary on the [Brew MP website](#).

1.1 Developer and OEM Mode Overview

1.1.1 Exposing Default Ports

During the validation process, attempts to install the Pantech USB drivers were successful. The Device Manager successfully exposed the following ports:

1. Pantech Handset (UDP)
2. Pantech Handset diagnostic serial port (UDP)

1.1.2 Switching to Developer Mode

There are three methods for switching a device into developer mode:

1. Use the System Task Applet
2. Use the native UI
3. Use a special key sequence.

Of these three methods, it is recommended that the developer use the System Task Applet over the USB connection.

1.1.3 Developer Mode Connect Validation

There is one method for connecting to the device and using the Brew MP tools in “Developer Mode”:

1. Connect over Gateway (Developer’s mode)

1.1.4 Switching to OEM Mode

There are two methods for switching a device into OEM mode:

1. Use the Loader tool
2. Use the native UI

1.1.5 OEM Mode Connect Validation

There are two methods for connecting to the device and using Brew MP tools in “OEM Mode”:

1. Connect over COM/DIAG (OEM mode)
2. Connect over COM/BTIL (OEM mode)

Section 2 Root Certificate Verification/Enablement

Tool	Test	Result	Issues	Solution
Signature Enablement	Enable using BDS root	PASS		
Signature Enablement	Enable using Test/CSK root	PASS		CTFTestRootExistence test should be found in Platform PRO kits 1.0.3+

Section 3 OEM Mode Validation

The following tables describe issues (if any) encountered when using the Brew MP tools over the COM/DIAG and COM/BTIL connection methods.

3.1 COM/DIAG Mode

Tool	Test	Result	Issues	Solution
Loader	Load module using local module signature	PASS		
Logger	Logger unlocked with signature enable	PASS		

3.2 COM/BTIL Mode

Tool	Test	Result	Issues	Solution
Loader	Load module using local module signature	PASS		
BTIL API tests	Connect BTIL API's	FAIL	AbbeyRoad tests are not getting executed on device.	
Logger	Logger unlocked with signature enable	PASS		
AppCreator	Flash Application Test	FAIL	Can not detect device in AppCreator.	
AppCreator	Trig Application Test	FAIL	Can not detect device in AppCreator.	
Test Studio	Load module	PASS		
Test Studio	Run module	PASS		
Test Studio	Retrieve logs	PASS		

Section 4 Developer Mode Validation

The following table describes issues (if any) encountered when using the Brew MP tools over the Gateway(GW) connection method.

Tool	Test	Result	Issues	Solution
GW	Enable using username / password	PASS		
Loader	Load module with global test enable signature	PASS		
Loader	Load module unlocked with username / password	PASS		
Connect API tests	Connect gateway API's	FAIL	Directory and File related test failures.	
Logger	Logger unlocked with username / password	PASS		
AppCreator	Flash Application Test	PASS		
Click2Run	Microsoft Visual Studio	PASS		
Click2Run	Eclipse	UNDETERMINED		
Click2Debug	Microsoft Visual Studio	PASS		
Click2Debug	Eclipse	UNDETERMINED		
Test Studio	Load module	PASS		
Test Studio	Run module	PASS		
Test Studio	Retrieve logs	PASS		

Section 5 Adversarial Tests

5.1 Developer Mode (Connect via Gateway)

Tool	Test	Result	Issues	Solution
Loader	Plug-Unplug	FAIL	Device gets out of gateway mode when USB cable is unplugged from it.	

5.2 OEM Mode (Connect via COM/BTIL)

Tool	Test	Result	Issues	Solution
Loader	Plug-Unplug	PASS		