



Brew MP Tools Certification Report
LG VN251: VN251ZR2

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Section 1 Summary

The Brew MP Tools Certification report is made up of two major areas of concern, OEM Mode and Developer Mode. This report will be broken up into sections representing the various examined aspects of OEM Mode and Developer Mode.

The data contained herein is not intended to demonstrate any capability of the hardware itself.

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 OEM Mode Certification Summary

The following report is intended to communicate the certification results for the following Brew MP tools and technologies on the LG VN251.

- SDK & Tools
- OEM USB Driver
- Flash tools
- Brew Loader and Logger
- Test Signatures
- Connection protocols COM/DIAG and COM/BTIL

1.2 Developer Mode Certification Summary

The following report is intended to communicate the certification results for the following Brew MP tools and technologies on the LG VN251.

- SDK & Tools
- Connect over Brew MP Gateway APIs
- On-Device debugging
- Device Interrogation
- Device Monitoring
- DES (Developer Enablement Services) test signing

Section 2 Tools Certification Results

2.1 OEM Mode Certification Results

2.1.1 Brew MP Tools Support

Tool	Test	COM/DIAG	COM/BTIL	Issues	Impact
Loader	Load module using local module signature	PASS	PASS		
Logger	Logger unlocked with signature enable	PASS	PASS		
AppCreator	Flash Application Test	N/A	PASS		
AppCreator	Trig Application Test	N/A	PASS		
BTIL API Tests	Connect BTIL API's (AbbeyRoad)	N/A	PASS		
Test Studio	Load module	N/A	PASS		
Test Studio	Run module	N/A	PASS		
Test Studio	Retrieve logs	N/A	PASS		

2.1.2 Test Signature Signing Results

Tool	Test	COM/DIAG	COM/BTIL	Issues	Impact
Signature Enablement	Enable using BDS root	N/A	PASS		
Signature Enablement	Enable using Test/CSK root		PASS		

2.2 Developer Mode Certification Results

2.2.1 Brew MP Tools Support

Tool	Test	Gateway Mode	Issues	Impact
Loader	Load module with global test enable signature	PASS		
Loader	Load module unlocked with username/password	PASS		
Connect API tests	Connect Gateway API's (Autobahn)	PASS		
Logger	Logger unlocked with username/password	PASS		
AppCreator	Flash Application Test	PASS		
Click2Run	Microsoft Visual Studio	PASS		
Click2Run	Eclipse	PASS		
Click2Debug	Microsoft Visual Studio	FAIL	Unable to debug. Unable to continue, step into, step over and step out. Application launches when attempting to debug with breakpoints.	Developers will not be able to use the debug feature to debug their applications.
Click2Debug	Eclipse	FAIL	Application launches when attempting to debug with breakpoints.	Developers will not be able to use the debug feature to debug their applications.
Test Studio	Load module	PASS		
Test Studio	Run module	PASS		
Test Studio	Retrieve logs	PASS		

2.2.2 DES Signing Results

Tool	Test	Result	Issues	Impact
Signature Enablement	Enable using DES	PASS		

2.2.3 Developer Mode Settings Screen

Test	Result	Issues	Impact
Device supports *#DEVMODE# to enable Developer Mode	FAIL	Device does not have *#DEVMODE# to enable Developer Mode.	Users have to enable developer mode through gatewayturnon command.
Device has a Developer Mode settings screen	FAIL		
Settings screen can be used to select USB Gateway only mode	FAIL		

Settings screen can be used to select USB Gateway + COM ports	FAIL		
Settings screen can be used to turn off the USB Gateway	FAIL		