



Model	G3 series	Date	6 <sup>th</sup> Nov 20	014	Country	Global			
Revision	Rev 3.1	Туре	H/W		Buyer	All			
Contents	Service Information	Guide 🗆 Notif	ication	Target		DSC	ASC		

Guide to Smart Boot Diagnosis Tool

### **※** Outline 1 : G3 Series "No Power on" Issue Repair Process.

Smart Boot Diagnosis tool can only use below condition ( QDLoader Mode )

- "No power on" sample only (Freeze/ Auto power off sample can not use yet)
- When you connected the Phone to PC, if QHS USB Driver(Port) is not detected, you can not use this Tool..

	파일(F) 등작(A) 보기(M) 도용할(H) (추 바) [1] [2] [1] (14] [2] (15 (15 (15 (15 (15 (15 (15 (15 (15 (15	
Qualcomm HS-USB QDLoader 9008(COM20)		



Model	G3 series	Date	6 <sup>th</sup> Nov 2014		Country	Global				
Revision	Rev 3.1	Туре	H/W		Buyer	All				
Contents	Service Information	Guide 🗆 Notif	ication	Target	BRC	DSC	ASC			
	Guide to Smart Boot Diagnosis Tool									

### **※** Outline 2 : G3 Series "No Power on" Issue Repair Process.

1. Check the Anti-RollBack Issue.

JSB Status	Model & Suff	tx Informa	tion			
00400	1. Chipse	et Info.	MSM8974_G3			
CONSS	2. Model	Into.	LGD850_AAT	T_ATT	-	
1. Object More      1						
-						
FPROM DUMP						
Defective		Resi	it	Reference		
OFPROM AP ANTIRO	LLBACK_1	FAI		0x0AE70AC0		
QEPRON_AP_ANTIRO		FAI			1	
QFPRON_AP_ANTIROLLBACK_2 QFPRON_AP_ANTIROLLBACK_3		FAI		0x0AE70AC0		
QEPRON_AP_ANTIRO	LLBACK_4	EAI		0x0AE70AC0	-	
QFPROM_MSA_ANTIR	OLLBACK	OB		0x00000000		
QFPROM_MSA_ANTIR	OLLBACK	08		0x00000000	-	
* [		11			- P	
na Infa						
etection ANTI-ROLLBA	CK ISSUES					
Contrast of	TRACK LAW Dalla					
(2) Detected Qr	PROM AND-ROID	ack issues				
Could you	fix it ?				-	

#### 2. Download the Recovery file.



#### 3. S/W Download the New Version.



## [Caution]

- 1. If you have no Recovery file, you can't Run Smart Boot Diagnosis Tool.
  - D:/AP\_Chip/MSM8974\_G3\_Recovery/Model folder/\*.bin & \*mbn
- 2. Smart Boot Diagnosis Tool (Zip file) is going to continuously Update the B2B Notification.
- 3. After downloading Recovery file, You should download the latest S/W Version.
- \*. For detail process, you refer to the next page(page2~).



Model	G3 series	Date	6 <sup>th</sup> Nov 2	014	Country	Global		
Revision	Rev 3.1	Туре	H/W		Buyer	All		
Contents	Service Information	Guide 🗆 Notif	ication	Target	K BRC	DSC	ASC	

**Guide to Smart Boot Diagnosis Tool** 

## I. QHS-USB Driver Setting (32Bit)

- 1. Connect USB cable between defective Phone and PC
  - Symptom: No power on







Model	G3 series	Date	6 <sup>th</sup> Nov 2	014	Country	Global		
Revision	Rev 3.1	Туре	H/W		Buyer	All		
Contents	Service Information	□ Service Information ✓ Guide □ Notification			🖌 BRC	DSC	ASC	

## I. QHS-USB Driver Setting (32Bit)

### 3. Check the QDLoader HS-USB Driver.

and the second	(And the second s	a coat list Supran, State, No. 1	-	A Passing of
G 🕞 🗢 🖙 컴퓨터  새 볼륨 (D:)	Annual State and			
파일(F) 편집(E) 보기(V) 도구(T) 도움말(H)				
구성 🔻 🥥 열기 🔻 굽기 새 폴더				
4 2 즐겨찾기	이름	수정한 날짜	유형	크기
🚺 다운로드	SmartBootDiagv1.3.1_Oversea_SVC_20141029	2014-10-22 오후	ALZip ZIP File	1,379KB
🔜 바탕 화면	SmartBootDiagv1.3.1	2014-10-22 오전	응용 프로그램	1,842KB
🔝 최근 위치	ODLoader HS-USB Driver 64bit Setup			
	QDLoader HS-USB Driver_32bit_Setup	2014-10-22 오흐	파잌 폭더	
· [] 무서	AP_Chip		12 2 1	
비디오				
· 🖬 사진	I ODLoader US L	ICD Driver 2'	Dhit Ca	tura
🛛 🎝 음악	De QULUader HS-C	12P Duver_27	ZDIL_SE	tup
10	Construction of the second second second			
4 1분 컴퓨터				
▷ 🏭 새 볼륨 (C:)				
* 🕞 새 출듐 (U:)				



Model	G3 series	Date	6 <sup>th</sup> Nov 2	014	Country	Global		
Revision	Rev 3.1	Туре	H/W		Buyer	All		
Contents	Service Information	Guide 🗆 Notif	ication	Target	BRC	V DSC	ASC	

**Guide to Smart Boot Diagnosis Tool** 

## I. QHS-USB Driver Setting (32Bit)

4. install the QDLoader HS-USB Driver.



Setup Type		
Select the setup type that best suits your r	weeds.	200
Plese choose the driver build to be installe Select Free build for general use, checked	d. I build to collect log. for debug.	
Free Bld(Better Efficiency but no logging)	al	
Checked Bid(Runtime log print to Dbg)	(iew)	
Free Bld(Be	etter	
Free Bld(Be	etter	
Free Bid(Be Efficiency b	etter out no	
Free Bld(Be Efficiency b	etter out no	
Free Bid(Be Efficiency b logging)	etter out no	
Free Bid(Be Efficiency b logging)	etter out no	
Free Bid(Be Efficiency b logging)	etter out no	







	InstallShield Wizard Completed
0	The InstallShield Wizard has successfully installed Qualcomn USB Drivers For Windows. Click Finish to exit the wizard.



Model	G3 series	Date	6 <sup>th</sup> Nov 2014		Country	Global				
Revision	Rev 3.1	Туре	H/W		Buyer	All				
Contents	Service Information	mation 🖌 Guide 🛛 Notification			🖌 BRC	🖌 DSC	ASC			

Guide to Smart Boot Diagnosis Tool

## I. QHS-USB Driver Setting (32Bit)

5. Check Qualcomm HS-USB QDLoader 9008 Port in device manager. (QHS-USB Driver have been installed successfully.)





Model	G3 series	Date	6 <sup>th</sup> Nov 2	014	Country	Global		
Revision	Rev 3.1	Туре	H/W		Buyer	All		
Contents	Service Information	Guide 🗆 Notif	ication	Target	K BRC	DSC	ASC	

**Guide to Smart Boot Diagnosis Tool** 

## I. QHS-USB Driver Setting (64Bit)

- 1. Connect USB cable between defective Phone and PC
  - Symptom: No power on







Model	G3 series	Date	6 <sup>th</sup> Nov 2	014	Country	Global		
Revision	Rev 3.1	Туре	H/W		Buyer	All		
Contents	Service Information	□ Service Information ✓ Guide □ Notification			K BRC	V DSC	ASC	

Guide to Smart Boot Diagnosis Tool

## I. QHS-USB Driver Setting (64Bit)

### 3. Check the QDLoader HS-USB Driver.

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G 🔵 ♥ 📾 ▶ 컴퓨터 ▶ 새 볼륨 (D:) ▶	annual and an			
파일(F) 편집(E) 보기(V) 도구(T) 도움말(H)				
구성 ▼ 🥥 열기 ▼ 굽기 새 폴더				
▲ 🚖 즐겨찾기	이름	수정한 날짜	유형	크기
🚺 다운로드	SmartBootDiagv1.3.1_Oversea_SVC_20141029	2014-10-22 오후	ALZip ZIP File	1,379KB
🔜 바탕 화면	SmartBootDiagv1.3.1	2014-10-22 오전	응용 프로그램	1,842KB
🗐 최근 위치	DLoader HS-USB Driver_64bit_Setup			
	QDLoader HS-USB Driver_32bit_Setup	2014-10-22 오후	파일 폴더	
· · · · · · · · · · · · · · · · · · ·	AP_Chip			
이 문제 비디오			125	
▷ 🔄 사진	GODLoader HS-U	SR Driver 6	Ahit Se	atura
▷ <mark>_</mark> ) 음악	De QUEDader 113-0	30 DIIVEL_0	4011_30	etup
	CHICK CHILD TO A DESCRIPTION OF COLUMN			
▲ III 로 C(^)				
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Model	G3 series	Date	6 <sup>th</sup> Nov 2	014	Country	Global		
Revision	Rev 3.1	Туре	H/W		Buyer	All		
Contents	Service Information	Guide 🗆 Notif	ication	Target	BRC	V DSC	ASC	

**Guide to Smart Boot Diagnosis Tool** 

### I. QHS-USB Driver Setting (64Bit)

### 4. install the QDLoader HS-USB Driver.











1	InstallShield Wizard Completed
0	The InstallShield Wizard has successfully installed Qualcomm USB Drivers For Windows. Click Finish to exit the wizard.



Model	G3 series	Date	6 <sup>th</sup> Nov 2014		Country	Global				
Revision	Rev 3.1	Туре	H/W		Buyer	All				
Contents	Service Information	Guide 🗆 Notif	ication	Target	🖌 BRC	DSC	ASC			

Guide to Smart Boot Diagnosis Tool

## I. QHS-USB Driver Setting (64Bit)

5. Check Qualcomm HS-USB QDLoader 9008 Port in device manager. (QHS-USB Driver have been installed successfully.)





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Model	G3 series	Date	6 <sup>th</sup> Nov 2	014	Country	Global		
Revision	Rev 3.1	Туре	H/W		Buyer	All		
Contents	Service Information	Guide 🗆 Notif	ication	Target	BRC		ASC	

#### Guide to Smart Boot Diagnosis Tool

### **I**. Pre-Condition

- 1. Check the PC OS & System.
  - Win XP / Win 7 : x32bit / X64bit
     it is different X32bit's USB Driver & X64bit USB Driver.
- 2. Smart Boot Diagnosis tool can only use dedicated Qualcomm models. (nVidia / Mediatek models can not use this tool)

## II. Smart Boot Diagnosis Tool Setting

### 1. Download and Decompress a Zip file : folder (D:)

등급:	시스템 등급을 사용할 수 없습니다.
프로세서:	Intel(R) Core(TM) I5-3320M CPU @ 2.60GHz 2.60 GHz
설치된 메모리(RAM):	4.00GB(2.64GB 사용 가능)
시스템 종류:	32비트 운영 체제
페미터치	이 티스플레이에 사용한 수 아들 페 미 터치시 이렇어 언스니다.
킨 곳 되지.	이 니프콜레이에 사용을 두 있는 번 및 디자식 입식이 없습니다.
권 및 디지· 컴퓨터 이름, 도메인 및 작업 커프터 이르·	이 니에이에 저동을 두 있는 건 및 디자크 감독이 없습니다.   그룹 설정
근 및 디지. 컴퓨터 이름, 도메인 및 작업 컴퓨터 이름: 전체 컴퓨터 이름:	이 니데이에 제공을 두 있는 된 것 디지닉 감독이 있습니다. 1 그를 접정 PTMMF10-NC1001M PTMMF10-NC1001MLGE.NET
근 및 디시. 컴퓨터 이름, 도메인 및 작업 컴퓨터 이름: 전체 컴퓨터 이름: 컴퓨터 설명:	이 데데이에 제공을 두 있는 편 및 디자닉 실력이 값됩니다. 그를 설정 PTMMF10-NC1001M PTMMF10-NC1001MLGE.NET 활분도/과장/MC 서비스운영팀(boondo.hwang@lge.com);boondo.hwang;MC 서 스운영팀

▼         ▶         컴퓨터 ▶         새 볼륨 (D.) ▶           파일(F)         편집(E)         보기(V)         도구(T)         도음말(H)           구성 ▼           요기         새 볼륨			Con a real fait fragment (Sancher)	(Contra	a contransition
<ul> <li>☆ 즐겨찾기</li> <li>▲ 다운로드</li> <li>■ 바탕 화면</li> <li>&gt; 젤 친근 위치</li> <li>&gt; 값 라이브러리</li> <li>&gt; 값 문서</li> <li>■ 비디오</li> <li>● 내디오</li> <li>● 사진</li> <li>● 유악</li> </ul>	이름 ᡂ SmartBoot	tDiagv1.3.1_Oversea_SVC_	수정한 날파 20141029 ☞ V3 PC 검사 ④ 알집으로 압축물기(A) ④ 여기에 압축물기(C) ④ "SmartBootDlagv1.3_Of	유형 f" 에 압축	크기 물기(W)



Model

Revision	Rev 3.1	Туре	H/W		Buyer	All				
Contents	Service Information	Guide 🗆 Notifi	Guide Dotification		🖌 BRC	V DSC	ASC			
	Cuide to Smort Boot Diagnosis Tool									

Guide to Smart Boot Diagnosis Tool

### II. Smart Boot Diagnosis Tool Setting

2. Check the Configuration in Anti-RollBack check file Folder (. (D:/AP\_Chip/MSM8974\_G3)



LGE Internal Use Only



Model	G3 series	Date	6 <sup>th</sup> Nov 2014		Country	Global				
Revision	Rev 3.1	Туре	H/W		Buyer	All				
Contents	Service Information ¥	Guide 🗆 Notif	ication	Target	🖌 BRC	DSC	ASC			

### II. Smart Boot Diagnosis Tool Setting

3. Check the Configuration in Recovery file folder. (D:/AP\_Chip/MSM8974\_G3/Recovery/Model Folder)

and a support of the		and prove a real that happen, have been by the light
중 → 컴퓨터 → 새 볼륨 (D:) → AP_Ch	ip ▶ MSM8974_G3 ▶ Recovery ▶	
파일(F) 편집(E) 보기(V) 도구(T) 도움말(H)		
구성 ▼ 라이브러리에 포함 ▼ 공유 대상 *	▼ 굽기 새 폴더	
▲☆ 즉겨찬기	이름	수정한 날짜 유형
· 다운로드	All EU Global_XXXX_XXXX	2014-10-22 오후 파일 폴더
🔜 바탕 화면	LGAS 990_ABPT_ACG	2014-10-22 오후 파일 폴더
🗐 최근 위치	\mu LGD850_AATT_ATT	2014-10-22 오후 파일 폴더
	LGD851_ATMO_TMUS	2014-10-22 오후 파일 폴더
◢ 🧊 라이브러리	LGD858_ACMT_CMCC	2014-10-22 오후 파일 폴더
▷ 📑 문서	📕 LGD859_ACTE_CT	2014-10-22 오후 파일 폴더
▷ 📑 비디오	📕 LGL2 _AKDI_KDDI	2014-10-22 오후 파일 폴더
▷ 🔄 사진	LGLS 90_ASPR_SPRINT	2014-10-22 오후 파일 폴더
▷ 🎝 음악	🕌 LGUS990_AUCL_USC	2014-10-22 오후 파일 폴더
▲ 1톤 컴퓨터 ▷ 🏝 새 볼륨 (C:)	※ Recover	y file (*.bin / *.mbn)
▲ 새 볼륨 (D:)	ST ALL FLL	Clobal XXXX Creart Boat
AP_Chip	All EU	Giopal_YYYY_Stuatt_Boot
4 🚛 MSM89/4_G3		Global XXXX Smart Boot mbn
LUG	All EU	Global_XXXX_Smart_boot.mbn
P 🔐 Recovery		



Model	G3 series	Date	6 <sup>th</sup> Nov 20	014	Country	Global				
Revision	Rev 3.1	Туре	H/W		Buyer	All				
Contents	Service Information ¥	Guide 🗆 Notif	ication	Target	🖌 BRC 🤞	DSC	ASC			

**Guide to Smart Boot Diagnosis Tool** 

### **IV.** Run Smart Boot Diagnosis Tool

#### 1. Double Click the SmartBootDiagV1.3.1.exe file.



### 2. Connect the Phone and USB Cable.

USB Status	Model & Suffix Informa 1. Chipset Info.	MSM8974_G3	
NOT Ready	2. Model Info.	All EU Global_XXXX_XXXX	
SW Patch for QFPRC	OM Anti-RollBack issues		
Not	Ready	Not Connect	
-	esi	ult Reference	
-			
c	OM98	Connect	



Model	G3 series	Date	6 <sup>th</sup> Nov 2014		Country	Global		
Revision	Rev 3.1	Туре	H/W		Buyer	All		
Contents	Service Information	Guide 🛛 Notifi	cation	Target	BRC 4	DSC	ASC	

**Guide to Smart Boot Diagnosis Tool** 

### IV. Run Smart Boot Diagnosis Tool

#### 3. Detection Anti-RollBack Issue.

**(2)** Select "Yes"



USB Status	Model & Suff	ix Informa	ation		
001100	1. Chipse	et Info. MSM8974_G3		3	Ŧ
COM98	2. Model	Info.	LGD850_AAT	T_ATT	•
SW Patch for QFPRO	4 Anti-RollBack issue	s			
Defective	<b>9</b>	Pos	d <del>i</del>	Poforonco	
OFPROM AP ANTIR	OLLBACK_1	FAI	L	0x0AE70AC0	
QFPROM_AP_ANTIR	OLLBACK_2	FAI	L	0x0AE70AC0	
QFPROM_AP_ANTIR	OLLBACK_3	FAIL		0x0AE70AC0	
QFPROM_AP_ANTIR	OLLBACK_4	FAI	L	0x0AE70AC0	
QFPROM_MSA_ANT.	IROLLBACK	UK	•	000000000	_
QFPROM_MSA_ANT	IROLLBACK	OK		0x00000000	-
•		III			•
Detection ANTI-ROLLE	ACK ISSUES		X		
					^
		di tanun			
Detected 0	2FPROIVI Anti-Rollba	ICK ISSUES			
Could you	J fix it ?				-
	(4)				

③ Check the Anti-RollBack Result
④ If "FAIL" is over 1 item, Select "Yes"

LGE Internal Use Only



Model	G3 series	Date	6 <sup>th</sup> Nov 2014		Country	Global		
Revision	Rev 3.1	Туре	H/W		Buyer	All		
Contents	Service Information	Guide 🗆 Notif	ication	Target	BRC	V DSC	ASC	
				•				

**Guide to Smart Boot Diagnosis Tool** 

### IV. Run Smart Boot Diagnosis Tool

#### 3. Download the Recovery file.



(5) Select the Recovery folder(6) Select "OK"

SB Status Mo	1. Chipset Informa	ipset Info. MSM8974_G3			
COM98	2. Model Info.	LGD850_AATT_ATT	*		
W Patch for QFPROM Anti-Ro	lBack issues				
Dov	vnloading (1/	2) 3 %	Cancel		
FPROM DUMP					
Defective	Result	Reference	-		
QFPROM_AP_ANTIROLLBACK	1 FAIL	0x0AE70AC0			
QFPROM_AP_ANTIROLLBACK	2 FAIL	0x0AE70AC0	E		
QFPROM_AP_ANTIROLLBACK	3 FAIL	0x0AE70AC0			
QFPROM_AP_ANTIROLLBACK	4 FAIL	0x0AE70AC0			
QFPROM_MSA_ANTIROLLBAC	СК ОК	0x0000000			
QFPROM_MSA_ANTIROLLBAC	СК ОК	0x0000000			
< [			Þ		
og Info.					
- I CD950 AATT Smort Pool	hin . 59290 Khyton				
> LGD850 AATT Smart Boo	t.mbn : 324 Kbytes				
Describer ding (1/2)					



Model	G3 series	Date	6 <sup>th</sup> Nov 2014		C	Country	Global		
Revision	Rev 3.1	Туре	H/W			Buyer	All		
Contents	Service Information	Guide 🗆 Notifi	fication <b>Target</b>		•	BRC	🖌 DSC	ASC	
Guide to Smart Boot Diagnosis Tool									

### V. S/W Download

1. Necessarily, You should download the Improved latest S/W Version. (you should check the next page and use the latest SW version of the Suffix which is the Recovery file "OK".)





Model	G3 series	Date	6 <sup>th</sup> Nov 2014		Country	Global		
Revision	Rev 3.1	Туре	H/W		Buyer	All		
Contents	Service Information	Guide 🗆 Notif	ication	Target	BRC	V DSC	ASC	

#### **Guide to Smart Boot Diagnosis Tool**

## **VI. Tool Update**

- 1. Download and Decompress a Zip file : folder (D:)
- 2. Overwrite all Files.
- 3. Erase Old \*.exe file.



# Appendix. Recovery file & New S/W Ver update List (14106)

model.suffux	Recovery file	New S/W ver.
LGAS990.ABPTTN	OK	V10a
LGAS990.ABPTWH		V10a
LGD850.AATTTN		
LGD850.AATTWH		
LGD851TN.ATMOTN		
LGD851WH.ATMOWH		
LGUS990.AUCLWH		
LGUS990.AUCLTN		
LGVS985.AVRZTN	ОК	VS98511C_0 0
LGVS985W.AVRZWH	ОК	VS98511C_0 0
LGVS985B.AVRZBL	ОК	VS98511C_0 0
LGVS985R.AVRZRD	ОК	VS98511C_0 0
LGL24.AKDIBL	OK	V10e
LGL24.AKDIPK	OK	V10e
LGL24.AKDIWH	OK	V10e
LGD857.ACUOWH	OK	V10c
LGD857.ACUOTN	OK	V10c
LGD857.ACUOKG	OK	V10c
LGD858.ACMTWH	OK	V10c
LGD858.ACMTTN	OK	V10c
LGD858.ACMTKG	OK	V10c
LGD858HK.AHKGKG	OK	V10F
LGD858HK.AHKGTN	OK	V10f
LGD858HK.AHKGWH	OK	V10f
LGD859.ACTEWH	OK	V10g
LGD859.ACTETN	OK	V10g
LGD859.ACTEKG	OK	V10g