VisionWorks (MTS) Application Installation Document

VisionWorks Analytics Spirent Communications, Inc

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This manual should be read and used as a guideline for properly installing and operating the product. This manual may be changed for the system improvement, standardization and other technical reasons without prior notice. Updated manuals are available at: www.support.spirent.com

Support: support@spirent.com

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Revision History

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8.1	02/09/2018	Rabindranath Singh	VoLTE Feature Setting on GS8	
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VisionWorks (MTS) Application Installation and E10 Configuration

Revision History

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1. Flashing the Phone with engineering build firmware A.1. Hold down three buttons



Hold down Volume down, Bixby/lower key, and Power buttons all at the same time. Press volume up button to continue.

A.2. Connect PC and device using USB cable.

A.3. Prepare the download program (Odin 3.xx) and binary files.

Open Odin3 v3.12.xx.exe

Have the two binary files downloaded and ready on the connected pc.

- ALL_OYN_G950USQU1AQGL_G950UOYN1AQGL_CL11982677_QB14446179_REV00_user_mid_noship_MULTI_CERT.tar.md5
- USERDATA_SPR_G950USQU1AQGL_CL11982677_QB14446179_REV00_user_mid_noship_MULTI_CERT.tar

A.4. Open and load the binary files (AP and CP)

Odin3 odin		Ĵ
ID-COM		
Log Options Pit (ID:00955-Added)1 COSM- Enter C for MDS. COSM- Check MDS bo not unplug the cable (COSM- Check work	Tips - How to download HOME binary OLD model : Download one binary "(BUILD (IER), XXX, HOME, tar.md5" end (02597X), 2013FOX, 20	
<osm> Chedring MDS finished Successfully <osm> Leave CS <osm> Enter CS for MDS <osm> Check MDS Do not unplug the cable <osm> Please wait <osm> Checking MDS finished Successfully <osm> Checking MDS finished Successfully</osm></osm></osm></osm></osm></osm></osm>	BL 10254141_Q812082684_RE100_user_mid_noship_MLTT_C V AP 10254141_Q812082684_RE100_user_mid_noship_MLTT_C V OP 10254141_Q812082684_RE100_user_mid_noship_MLTT_C	ERT_iss.tar.r ERT_iss.tar.r
		Mare DA
	Binary Size 5569.3MB	Mass D/L

A.5. Click start to load the build

Wait for the phone to load the build and reset itself to the beginning provisioning screen. Click/skip through the menus (no need to load a gmail account, Samsung account, or Wifi).



2. Samsung Galaxy S8 features / options setup:

1.1. Power ON.

Navigate: Press Power ON button to turn ON new device.



1.2. Development No-Ship Build check. To check for the no-ship release build. Navigate: Apps → Settings → About Phone → Build Number Example (VoLTE build) : G950USQU2BRB3F_QB17030392_noship



1.3. Developer Mode:

Enable Developer options on GS8.

To enable the hidden developer options mode feature on the device. Tap "build number" 7 times to enable, click back arrow and check for developer options under About Phone option.

Navigate: Apps → Setting → About Phone → Build number → Tap 7 times → Click back arrow → Scroll down to developer options

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< ABOUT PHONE Q	SETTI	NGS Q
Android security patch level August 1, 2017	4	Lock screen and security
Baseband version	2	Lock screen, Face Recognition, Fingerprints
Kernel version	S	Cloud and accounts Samsung Cloud, Backup and restore, Smart
4:4.16-11982677 dpi@SWDG9713 #1 Sat Jul 29 16:58:28 KST 2017	G	Google Google settings
Build number NRD90M.G950USQU1AQGL	25	Accessibility Vision, Hearing, Dexterity and interaction
Security Enhancements for Android st Enforcing SEPP_SECMOBILE_70_0009	90	General management Language and input, Date and time, Reset
Security software version	-	Software update Software update
MDF v3.0 Release 1 WLAN v1.0 Release 1 VPN v1.4 Release 8.1 ASKS v1.3_161228		Help User manual
Knox version Knox 2.8	()	About phone Status, Legal information, Device name
Standard SDK 5.8.0 Premium SDK 2.8.0 Customization SDK 2.8.0 Container 2.8.0	{}	Developer options Developer options
•		→ □ ←

1.4. Enable USB debugging option on GS8.

To enable a connection between device and Landslide with software development kit. Navigate: Apps \rightarrow Settings \rightarrow Developer Options \rightarrow USB debugging \rightarrow turn ON

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SETTIN	65 Q	< DEVELOP	PER OPTIONS	Q
	Lock screen and security	ON		
	Lock screen, Face Recognition, Fingerprints	Auto update	system	
s	Cloud and accounts Samsung Cloud, Backup and restore, Smart	Demo mode		
æ	Google	DEBUGGING		
	Google settings	USB debugg	ing	
75	Accessibility Vision, Hearing, Dexterity and interaction	connected.	e launches when dab is	
	General management	Revoke USB	debugging authoriza	tions
-0	Language and input, Date and time, Reset	Include bug	reports in power me	
	Software update Software update	bug report.	, poster meneral canaly a	
	Help	No mock location	on app	
	User manual			
	About phone	view attribut	te inspection	
0	Status, Legal information, Device name	Select app to	o be debugged	
{}	Developer options	. to upplication a	or to be donagged.	
	Developer options	Wait for deb	ugger	
• 7	\rightarrow \Box \leftarrow	• -		\leftarrow

1.5a. Disable (OTA) Auto Update System options.

If the developer mode is not enabled. Enable developer mode on the device. Launch the Settings application scroll down and tap on the Developer Options and Look for Auto Update System option and toggle off. Navigate: Apps →Settings →Developer Options → Auto update system → turn OFF

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TINGS	< DEVELOPER OPTIONS
	ON CO
Lock screen and security Lock screen, Face Recognition, Fingerprints	WebView implementation
Cloud and accounts	Chrome Stable
Samsung Cloud, Hackup and restore, Smart	Multiprocess WebView
Google	Kun webview renderers separately -
Google settings	Auto update system
Accessibility Vision, Hearing, Dexterity and interaction	Demo mode
General management	DEBUGGING
Language and input, Date and time, Reset	USB debugging
Software update Software update	Debugging mode launches when USB is connected.
	Revoke USB debugging authorizations
Help User manual	to all all a large state for a surrow of
About abone	Include oblig reports in power menu for taking a
Status, Legal Information, Device name	bug report.
Developer options	Mock location app
Developer options	no more control dpp 80t

1.5b. Disable Automatic Update Downloads (Settings → System Updates → Download updates Automatically → turn OFF

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< SYSTEM U	PDATES	Q	
Download upo Last checked on: 3 Downloading via n in additional charg via a Wi-Fi networl	lates manuall 3/27/18 nobile networks m jes. If possible, do k instead.	y nay result wnload	
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Update PRL			
Update Profile	,		
UICC Unlock Your device is lock	ed to Sprint SIMs	only.	
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1.6. Revoke USB debugging authorizations.

This step will revoke all the previous connected devices used for USB connection by this phone.

Navigate: Apps \rightarrow Settings \rightarrow Developer Options \rightarrow Revoke USB debugging authorizations

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ecurity Inition, Fingerprints	ON
s and restore, Smart	Demo mode
	DEBUGGING
and interaction	USB debugging Debugging mode launches when USB is connected.
ent	Revoke USB debugging authoriz
	Include bug reports in power me Include option in power menu for taking a bug report.
	Mock location app No mock location app set
	View attribute inspection
n, Device namé	Select app to be debugged No application set to be debugged.
	Wait for debugger
<	• = 0
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1.7. PlayStore Signup.

To access playstore. Navigate: Apps \rightarrow Play Store



1.8. Create GMAIL Account.

To access Play Store. Create a new account / use below existing account. Requirement: Username: <u>cspirent@gmail.com</u> (Example) Password: Spirent123

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	Descused
Add your account :	Forgot password?
Google	
Sign in to get the most out of your device. Learn more	
Email or phone	
Or create a new account	
NEXT 5	NEXT >
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1.9. Accept Terms of Service and Privacy Policy.

Agree Terms of Service and Privacy Policy by clicking ACCEPT and disable the Backup & Storage to Google Drive and Click NEXT.

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By signir	espirent@gma	the	G	oodle serv	ices	
Terms of	f Service and Priv	acy Policy.	rbc Taj suc Pa Pri	Ide85@gmail.c o to learn more ch as how to tui ta will be used i vacy Policy. okup & storage	om about each m it on or o according t	i service, ff later. o Google's
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1.10. Disable Auto-Update Apps.

To disable auto-update apps feature for Google PlayStore in PlayStore Setting. Navigate: **Google Play Store** \rightarrow **setting** \rightarrow **Auto-update apps** \rightarrow **Select Do not auto-update apps**.

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HOME GAMES MOVIES & TV MUS	📖 My apps & games	MUS
TOP CHARTS CATEGORIES EDITORS' CH	ft Home	TORS: CH
Recommended for You MORE	🛤 Games	Add icon to Home screen
<u></u> 👝 🖿 🚺	Movies & TV	Auto-update apps
🕗 🛩 🗖 🔍	Music	Do not auto-update apps
Snapchat I Messenger I Pandora I Inste - Text and Music 4.1* FREE 4.0* FREE 4.4* FREE 4.5*	Books	Auto-update apps at any time. Data charges may
Munic & Audio MORE	Newsstand	P apply. Auto-update apps over Wi-
	Account	CANCEL
S () 1 ()	Redeem	For all purchases through Google Play on this device
Spotify I Shazam I Apple Music I Tune Radi-	Wishlist	E Tune Use apps without installation Manage Android Instant Apps on this device
9.0* FREE 4.4* FREE 3.5* FREE 4.4*	Play Protect	About
Ads Suggested for You	🌣 Settings	Open source licenses License details for open source software
	•	

2. Enable and Disable options on GS8.

- 2.1. Change Lock Method.
 - Navigate: Apps → Setting → Lock screen and security → Screen lock type → None

TTINGS	Q	< LOCK SCREEN AND SECURITY Q SCREEN I	SC 21 30% 2255 PM
Conn Wi-Fi, E	ections luetooth, Data usage, Airplane mode	PHONE SECURITY Swipe	••••
)) Sound	ds and vibration , Vibration, Do not disturb	Screen lock type PIN, Iris Pattern	
Notifi Block, i	cations illow, prioritize	Face Recognition Medium security Your face has been registered. PIN	
Displa Brightn	ay ess, Blue light filter, Home screen	Fingerprint Scanner Add your fingerprints. Password	acunty, current look type
Wallpa	apers and themes	Iris Scanner Your irises have been registered. None	,
Adva Games	onced features One-handed mode	Smart Lock BIOMETRICS BIOMETRICS devices have been devices have be	nd Iris unlock can't be turned or
Devic Battery	e maintenance Storage, Memory	Secure lock settings Set your nearer lock functions, such as Auto lock and Lock instantly with Power key. Face	те. СП
Apps Default	apps, App permissions	LOCK SCREEN AND ALWAYS ON DISPLAY Fingerprints	
Lock st	screen and security sreen, Face Recognition, Fingerprints	Always On Display Show always Iris Replatened	
		Information and FaceWidgets	

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2.2. Disable Always ON display.

To turn OFF Always display ON feature. Navigate: Apps → Setting → Lock Screen and Security → Always On Display → turn OFF

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SETTINGS	Q	< LOCK SCREEN AND SECURITY
Connections Wi-Fi, Bluetooth	s , Data usage, Airplane mode	LOCK SCREEN AND ALWAYS ON DISPLAY
Sounds and Sounds, Vibratio	vibration on, Do not disturb	Show an image or information on the standby screen.
Block, allow, price	s oritize	Information and FaceWidgets Select what to show on the Lock screen and Always On Display.
Display Brightness, Blue	e light filter, Home screen	Notifications On
Wallpapers a Wallpapers, The	and themes	App shortcuts Select apps to open from the Lock screen.
Advanced fe Games, One-har	eatures nded mode	SECURITY
 Device main Battery, Storage, 	itenance , Memory	Samsung Pass Use biometric authentication to verify your identity easily and securely.
So Apps Default apps, Ap	pp permissions	Find My Mobile Locate and control your device remotely using your Samsung account.
Lock screen, Fa	and security ce Recognition, Fingerprints	Unknown sources Allow the installation of apps from sources other than Play Store or Galaxy Apps.
~ ~		• =

2.3. Enablie Location Services with High Accuracy. To enable location service with high accuracy.

Navigate: Apps → Setting → Connections → Locations → turn ON / Location method (High Accuracy)



2.4. Enable Bluetooth Services. To enable bluetooth on device. Navigate: Apps → Setting → Connections → Bluetooth → turn ON

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SETTINGS	Q	< CONNECT	IONS	Q
Wi-Fi, Bluetooth	s 1, Data usage, Airplane mode	Wi-Fi Connect to WI-FI	networks.	
Sounds and Sounds, Vibrati	vibration on, Do not disturb	Wi-Fi calling		
Block, allow, pri	S oritize	Bluetooth On		
Display Brightness, Blue	e light filter, Home screen	Phone visibili Allow other devic and transfer files	ity æs to find your phone	
Wallpapers Wallpapers, The	and themes mes, Icons	Data usage		
Advanced for Games, One-ha	eatures nded mode	Airplane mod Tum off calling, n data.	le nessaging, and Mobile	
Device main Battery, Storage	ntenance a, Memory	NFC and pay Make mobile pay read or write NFC	ment ments, share data, and ; tags.	
OC Apps Default apps, A	pp permissions	Mobile Hotsp	oot and Tethering	
Lock screen, Fa	and security ice Recognition, Fingerprints	Mobile netwo	orks	
		Location		
• –	$\Box \leftarrow$			÷



2.5. Disable WIFI Services. To disable WIFI on the device.

Navigate: Apps \rightarrow Setting \rightarrow Connections \rightarrow WIFI \rightarrow turn OFF.

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SETTIN	GS Q	<	CONNECTIONS		Q
D	Connections Wi-Fi, Bluetooth, Data usage, Airplane mode	2	Wi-Fi Sonnect to Wi-Fi networks		\bigcirc
⊲ ≫	Sounds and vibration Sounds, Vibration, Do not disturb	,	Wi-Fi calling		
=	Notifications Block, allow, prioritize	e e	Bluetooth Connect to nearby Bluetoo	th devices.	\bigcirc
	Display Brightness, Blue light filter, Home screen		Phone visibility Allow other devices to find and transfer files.	your phone	
	Wallpapers and themes Wallpapers, Themes, Icons	ſ	Data usage		
	Advanced features Games, One-handed mode		Airplane mode Furn off calling, messaging lata.	a, and Mobile	
٢	Device maintenance Battery, Storage, Memory	ſ	NFC and payment Viake mobile payments, all ead or write NFC tags.	nare data, and	
	Apps Default apps, App permissions	r	Mobile Hotspot and	Tethering	
ß	Lock screen and security Lock screen, Face Recognition, Fingerprints	ſ	Vobile networks		
		I	ocation		
• ;		-	2	J 4	-

2.6. Change Auto Rotate to (Portrait) mode.

Swipe down from top of the screen to reveal notification panel. These instructions apply to standard mode only. Tap Auto Rotate Tapping Auto Rotate locks the screen into the current viewing mode (i.e., Portrait, Landscape). To return to Auto rotate, tap the current mode icon (i.e., Auto rotate $\langle 0 \rangle$, Lock rotation $[\bullet]$).



2.7. Disable Sound mode.

You can switch between sound modes, while preserving the individual sound settings you have made.

Navigate: Apps → Settings → Sounds and vibration → Sound mode, and then choose a mode: Sound: Mute: Your phone plays no sounds or vibrations. Onscreen reminders will still occur.

	国 図 ∞ 回 C か M (11:35 AM)	国際∞Ⅲ代本区 % % al 93% ■ 11:35 AM		
SETTINGS	< SOUNDS AND VIBRATION Q	< SOUND MODE		
Connections Wi-Fi, Divetooth, Data usage, Airplane mode	Sound mode sound	Sound		
Sounds and vibration Sounds, Vibration, Do not disturb	Vibrate while ringing	Vibrate		
Notifications Block, allow, prioritize	Use Volume keys for media Control the media volume by default when you press the Volume keys.	Temporary mute Set how long to keep your phone muted		
Display Brightness, Blue light filter, Home screen	Volume	before returning to the previous sound mode (Sound).		
Wallpapers and themes Wallpapers, Themes, Icons	Vibration intensity			
Advanced features Games, One-handed mode	AT&T Now or Never			
Device maintenance Battery, Storage, Memory	Vibration pattern Basic call Notification sounds			
Apps Default apps, App permissions	Set the default notification sound and notification sounder for appres such as Messagers, Calendar, and Fmail			
Lock screen and security Lock screen, Face Recognition, Fingerprints	Do not disturb Mute all calls and alerts, except for your custom exceptions.			
• = - +	• = - +	• =		



2.8. Disable Ringtone and Media volume. To disable all volume controls. Navigate: Apps → Settings → Sounds and Vibration → Volume → Change to all low

E ■ ∞	■ ● ● ■ © ↓ ▶	□ ● □ C ネ ド 私 念 93% ■ 11:40 AM く VOLUME :
Connections Wi-Fi, Bluetooth, Data usage, Airplane mode	Sound mode Sound	Ringtone
Sounds and vibration Sounds, Vibration, Do not disturb	Vibrate while ringing	Media
Notifications Diock, allow, prioritize	Use Volume keys for media Control the media volume by default when you press the Volume keys.	× • · · · · · · · · · · · · · · · · · ·
Display Brightness, Blue light filter, Home screen	Volume	Notifications
Wallpapers and themes Wallpapers, Themes, Icons	Vibration intensity	System
Advanced features Games, One-handed mode	AT&I Now or Never Vibration pattern	
Device maintenance Battery, Storage, Merrory	Notification sounds	
OC Apps Default apps, App permissions	Set the default notification sound and notification sounds for apps such as Messages, Calendar, and Fmail.	
Lock screen and security Lock screen, Face Recognition, Fingerprints	Do not disturb Mute all calls and alerts, except for your custom exceptions.	
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2.9. Disable Vibration.

To disable vibration mode. Navigate: Setting \rightarrow Sounds and Vibration \rightarrow Vibration intensity \rightarrow Change to all low

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SETT	INGS Q	< SOUNDS AND VIBRATION Q < VIBRATION INTENSITY
D	Connections WI-FI, Bluetooth, Data usage, Airplane mode	Sound mode Incoming call
⊲»	Sounds and vibration Sounds, Vibration, Do not disturb	Vibrate while ringing Notifications
	Notifications Block, allow, prioritize	Use Volume keys for media Control the media volume by default when you press the Volume keys.
ø	Display Brightness, Blue light filter, Home screen	Volume
	Wallpapers and themes Wallpapers, Themes, Icons	Vibration intensity Hard press vibration feedback
(;)	Advanced features Games, One-handed mode	ATE I Now or Never
٢	Device maintenance Battery, Storage, Memory	Reside call
	Apps Default apps, App permissions	set the default notification acound and notification sounds for apps such as Messages, Calendar, and Finall.
ß	Lock screen and security Lock screen, Face Recognition, Fingerprints	Do not disturb
•	+	• = = + = = + = +

2.10.Disable Battery optimization.

To disable battery optimization. Navigate: Apps \rightarrow Settings \rightarrow Device maintenance \rightarrow Battery \rightarrow Power saving mode \rightarrow OFF.

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TTINGS	Q	< DEVI	CE MAINTENANCE	€ <	BATTERY	
Co	nnections FI, Bluetooth, Data usage, Airplane mode				Estimated	d battery life
Sou	unds and vibration nds, Vibration, Do not disturb		70 (100	\mathcal{I}	29% I4 n BATTER	30 min
No	tifications sk, allow, prioritize		GOOD!	Pov	ver saving mode	
Dis	play htness, Blue light filter, Home screen			Sele to 48	.ct a mode below to extend y 8 h 34 min.	our battery life to up
Wa	Ilpapers and themes Ipapers, Themes, Icons	Your pho	ne's maintenance status is o	rood. Tap	OFF MID 19 h 17 min	MAX 48 h 34 min
Ad Gar	vanced features nes, One-handed mode		below to improve it.	App	power monitor	0
De Bat	vice maintenance tery, Storage, Memory		OPTIMIZE NOW			
Ap Def	ps ault apps, App permissions		(@) (@)	(o)	SLEEPING APPS (1	6) ~
Loc	ck screen and security k screen, Face Recognition, Fingerprints	Battery 14 h 30 min	Performance Storage mode Optimized 48.1 GB free	Memory Sele slee	nonitored apps set apps that won't be sugges p.	ited to be put to
				A has	anne phinna anne	



2.11.Disable Battery: App power monitor.

This means that app running in the background by the operating system are restricted. The App Energy Monitor on the devices will not be allowed to run in background.

Navigate: Apps \rightarrow Settings \rightarrow Device maintenance \rightarrow Battery \rightarrow Advanced Setting \rightarrow App power monitor \rightarrow turn OFF



2.12. Disable Navigation Bar hide feature.

Disable the navigation bar to avoid application changing its pointer selection dimensions. Navigate: Apps \rightarrow Settings \rightarrow Display \rightarrow Navigation Bar \rightarrow Show and hide button \rightarrow disable

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SETTI	NGS Q	< DISPLAY	Q	< NAVIGATION BAR	
ß	Connections WI-FI, Bluetooth, Data usage, Airplane mode	LED indicator Light up the LED indicator when the	screen	Show and hide button Add a button to the left side of th nevigation bar to show or hide th	
⊲»	Sounds and vibration Sounds, Vibration, Do not disturb	unread notifications, and battery.		navigation bar. BACKGROUND COLOR	
**	Notifications Block, allow, prioritize	Navigation bar Manage the Home, Back, and Recent	ts buttons.	The background color you sele applied to all apps.	ct may not be
ø	Display Brightness, Blue light filter, Home screen	Screen timeout After 30 seconds of inactivity.			
	Wallpapers and themes Wallpapers, Themes, Icons	Keep screen turned off Provent the screen from turning on	``	BUTTONS	
	Advanced features Games, One-handed mode	accidentally while the device is in a c place such as a pocket or bag.	lark	Unlock with Home button Hard press the Home button whil screen is off to skip the Lock scr	le the con and go
٢	Device maintenance Battery, Storage, Memory	Screen saver Show a screensaver after the screen turns off automatically while your ph is charging.	one C	Button layout	
	Apps Default apps, App permissions	LOOKING FOR SOMETHING EL	-SE?	Home button sensitivity	
ß	Lock screen and security Lock screen, Face Recognition, Fingerprints	VIDEO ENHANCER LANGUAGE AND INPUT VISION		Mojust the amount of pressure press the Home button. More sensitive	Less sensitive
			<i>←</i>		\leftarrow

2.13. Set Screen Timeout to 10 minutes.

Navigate: Apps → Settings → Display → Screen Timeout→10 minutes→ select





2.14.Set In-Call Volume

Make a call to voicemail (dial 1) and push the up volume button on the side to increase In-Call volume to max.



2.15. Enable Auto-Answering

Navigate: Apps → Settings → Accessibility→Answering and Ending calls→Automatic Answering→ turn ON



2.16.Turn On VoLTE

Navigate: Apps \rightarrow Settings \rightarrow Connections \rightarrow Voice Networks \rightarrow VoLTE \rightarrow turn ON





Application Installation.

3. Samsung GS8 and E10 communication.

Connect the phone via USB cable to the first available USB port of E10.

4. Samsung GS8 RSA Permissions Acceptance.

After step:8 of App installation. Accept the popup for RSA KEY verification on the phone (if it does not popup, Please, remove the USB cable from the phone and re do Step:7 of the Application Installation).

ALL MARS III (MARS)
Allow USB debugging? The computer's RSA key fingerprint is: D4:10:80:09:8F: 00:82:04:59:80:09:80:CF:8:42:76 Always allow from this computer CANCEL
The computer's RSA key fingerprint IS: DIS2:04:E9:80:09:98:ECF8:42:7E Always allow from this computer CANCEL CK
Always allow from this computer
CANCEL OK
Back Forward Home Bookmarks Tabs
7 D 4

5. VisionWorks (MTS) Application Installation from E10.

To push the application MTS on the phone login into Test Server Administration: Select Test Server the phone is connected to, from the list of Servers add with the (hostname) (1) \rightarrow Go to UE tab on the right \rightarrow Click on Upgrade (2) \rightarrow A new popup window appears (3) \rightarrow Check / Select the UE from the list of UE's to upgrade (3). This upgrade button will push the application MTS on the phone. Note: If UE tab doesn't appear please, recycle the E10.

9	Test Server Administration - PLANO-BELTLINE	Test Server Administration - PLANO-BELTLINE
PLANO-BELTLINE PLANO-COSTCO PLANO-COSTCO PLANO-CUSTER PLANO-CUSTER PLANO-USENHELL PLANO-USEN PLANO-USENT PLANO-USENT PLANO-USENTROWN SANJOSE-ANNO SANJOSE-WWY87 SANJOSE-UNKOCH SANJOSE-LUNDY	Test Server Administration - PLANO-SELITLINE Management IP Address II 07 01 02 7 3 II 07 01 07 10 0 II 07 01 07 01 0 II 07 01 07 0 II 07 0 II 07 01 07 0 II 07 0 II 07 01 07 0 II	Test Server Administration - PLANO-BELITUNE PLANO-COSTCO PLANO-COSTCO
Add Delete	Close	Add Belete Conect Close

(3)

Upgrad	le of UE Applications						4	»	0 8
~			Auto-Refr	esh O ALL TS O Thi	is TS Upgrade				
nclude	TS	TS Version	e App Versi	SN#	MEID	USB	Manufact	Product/	State
	PLANO-BELTLINE	99.9.0.20	1.5.134	988964363531564255	35772108240722	3-4	samsung	SM-G950U	scan
				(mumur) :					

SPIRENT

6. VisionWorks (MTS) Application permissions acceptance on GS8.

To check the above Step:10 is successful. Login on the phone \rightarrow All Applications \rightarrow Check for VisionWorks MTS app \rightarrow Open the MTS application \rightarrow it will prompt for permission \rightarrow Accept all the 9/9 permissions on the phone.



7. Mobile status / state check from Test Server Administration.

To verify the installtion check the application / phone state on Test Server (E10).

Navigate: Login to TAS UI.

Example: TAS IP: $(10.71.16.61) \rightarrow \text{Click}$ on Landslide Client \rightarrow look for a pop up tasclient.cgi should be open with Java web Start Launcher \rightarrow click OK \rightarrow Click Run (3) \rightarrow Enter the credentials on the Landslide Client (4) \rightarrow Click TSs (5) \rightarrow Select E10 / TS the phone is connected to \rightarrow click on UE Tab and hit Scan to check the state of UE (6) \rightarrow State: Online \rightarrow Close.

Note: If UE tab doesn't appear please, recycle the E10.

(1)	(2)
0 10711661	Opening tasclient.cgi
Mori Vinet & Suggeste Size & Catego Scare D Web Size Calley W. 3d Generation Parte LandSlide (v16.2.0 GA) Home Page Test: Results Uncodes Tracubelisots Java Web Start. Problems Support (Tourbelisot Java Web Start. Problems)	You have chosen to open: Tasclient.cgi which is: JNLP File from: http://10.71.16.61 What should Firefox do with this file? Open with Java(TM) Web Start Launcher (default) Save File Do this gutomatically for files like this from now on.
Linex Tc Hans Install Vindews 21 Case Install Landshir Tcl API Packaget/Film Hulti-TcS Web, Client (Beta) Hulti-TcS Managar (Beta)	OK Cancel
(1)	(4)
A cancel with a separation of the second secon	Clandslide Client 16.2.0 GA @ 10.71.16.61 User Name Password Secure Connection (TLS) Login Exit Help
(5) © Landslide 16.2.0 GA @ 10.71.16.61 <user 07="" 13:01:42="" 2017="" at:="" cst="" in="" logged="" nov="" sms="" tue=""> Elle Session Admin View Window Help © C C C C C C C C C C C C C C C C C C C</user>	(6) Test Server Administration - dev n° (2) (2) dev Anagement IP Address 10.70.102.41 Limit # processes to Requested License 65-E10 Small Private User Group Available to Everyone Certificate Files UE Meta Data Info General Ethernet Wi-Fi
Ext Logout RT Logs New Session Open Session Test Results System Status TSs SUTs vSIMs Window Tree GSM/GPRS/EDGE (GERAN)	Shife MEID State USB., Manuf., Product/, App., Test. 9880357721 pnine 3-3 sams SM-G95 1.5.1 Status: READY C Recycle Supgrade Sconfigure C Recycle Logs M Debug/Trace Image: State Close Close



E10 (Test Server Configuration)

8. E10 Configuration.

8.1. Power ON.

Connect the power Cable to E10 and power ON.

8.2. Change default Management IP and Hostname.

It is easier to hook up a monitor and keyboard but below are the steps to assign / change the

default mgmt IP address (192.168.0.100).

You may choose to connect a SEN network cable to the probe and query your reserved LAN IP (ipconfig/all) to statically assign to the E10 and if that is the case, skip to step 8.2.5.

Change / Assign Mgmt. IP (eth0) on Landslide E10.

- **8.2.1.** Configure an Ethernet interface on a laptop or workstation with an IPV4 address (192.168.0.101) and a network mask (255.255.255.128) and Gateway (192.168.0.100) to allow communications with the management port.
- 8.2.2. Connect the laptop or workstation to the management port using a standard Ethernet cable.
- 8.2.3. Telnet to the management port from the laptop or workstation. From a command prompt, enter: telnet 192.168.0.100
- 8.2.4. Log in to the cfguser account on the Landslide platform. The default password is the same as the user name.

login: cfguser

password: cfguser

8.2.5. Enter ipcfg to open ip configuration utility. This utility will ask for permission to kill E10 server. See below example:

###ipcfg Note: Do not terminate this Utility, otherwise it can lead to system instablility Do you wish to Continue (yes/no) [no]: yes TS related processes detected: 1/1. Stopping Test Server (waiting 10 seconds). ### Killing Test Server

8.2.6. You are prompted to identify the port to be used as the management port. You must select the recommended and default port number as the management port (eth0). Example below.

NOTE - Preferred management port is eth0 Designate management port (eth0/eth0v6 -- eth2/eth2v6) [eth0]: Please note the following IPCFG configurations.

Preferred management port- Eth0 Static IP addresse Enter the requested IP addresses configuration from the step 8.2. Subnet Mask- 255.255.192.0 Auto Negotiate- YES Gateway- 10.65.64.1 Hostname- See Spreadsheet tracker and use appropriate TAS IP for the next step.

TAS1- 10.79.32.17 TAS2- 10.65.117.101 TAS3- 10.65.72.112

NTP- 144.230.31.245

8.2.7. The initial Mgmt IP configuration is complete at this point. The system will ask / must be rebooted for these chages to take affect.

Please, type yes or hit enter for system to reboot. Example below:

System must be rebooted for these changes to take effect... Reboot now? (yes/no) [yes]:



9.0. Add License and Upgrade E10 Firmware

9.1. Apply License

Once the E10 has finished its reboot, Log into the appropriate TAS like in step 7 (enter the IP from step 8.2.6 in a browser) so you can apply the license and upgrade the firmware.

TAS username- SMS

TAS password- a1b2c3d4

Select TSs (Test Servers) and if the probe is not listed, click the plus symbol to add the hostname.



Select the 3 dots to Apply the license as seen below.



9.2. Upgrade Firmware

After a minute or so, the probe will be in a READY state to upgrade the firmware.

Click on Upgrade and select the most recent version (In the example below at this current time, it is coast_16.6.1.3.tsu) to upgrade the firmware and the E10 will reboot and take a few minutes to upgrade and reboot.

C Recycle	📥 Upgrade	💥 Configure		
Connect	🛃 Logs	🛞 Debug/Trace		
🖅 Upgrade Test Serve	ır	- o X		
Upgrade Test Server NTWKProbe-Test5A472 Only Upgrade All Connected/READY Test Servers Upgrade All Provisioned Test Servers Available Test Server Images				
coast_99.9.0.2018-03-	-29.0_QCAT.tsu			
coast_16.6.1.1.tsu coast_16.6.0.9.tsu				
Browse D	elete Upgrade	Close		



9.3. IPCFG again

Once the probe is in a READY state, switch back to the command line prompt in the E10 (whether via keyboard and monitor or telnet to it).

Type IPCFG

Everything will remain the same except for the following new options-

Configure TS IP Address mode- Dynamic

Configure TAS IP Address mode- Static (unless connected to TAS1, which will be set to Dynamic)

TAS hostname- landslide.prep.dev.sprint.com

DNS override- NO

Designate TS management port (eth0/eth0v6 -- eth2/eth2v6) [eth0]: Configure TS IP Address mode (static/dynamic) [dynamic]: TS Host Name [NTWKProbe-VoLTETest2]: Configure TAS IP Address mode (static/dynamic) [dynamic]: TAS Host Name [landslide.poc.dev.sprint.com]:

Once you finish these steps it will prompt to reboot; type yes to reboot and apply the new configurations.

9.4. Upgrade the E10 with the file QCAT.tsu

Just like in step 9.3, select the probe and click on upgrade.

This time, select the QCAT.tsu file as seen below and apply.

It will take a minute or so to apply and reboot the E10.

🖙 Upgrade Test Server 🔤 🖾	i	
Upgrade Test Server NTWKProbe-Test5A472 Only		
Upgrade All Connected/READY Test Servers		
O Upgrade All Provisioned Test Servers		
Available Test Server Images coast 99.9.0.2018-03-29.0 QCAT.tsu		
coast_16.6.1.3.tsu		
coast_16.6.1.1.tsu		
Browse Delete Upgrade Close		