BitRaser[®] Mobile Eraser - Wiping Android[®] Devices

This guide walks you through step-by-step instructions on how to wipe Android® devices running on OS 5.0 and above including Google Pixel 4a, Google Pixel 4a 5G, OnePlus 9, OnePlus 9 Pro, Moto G Power (2021), Samsung Galaxy S21 Ultra, Samsung Galaxy Note 20 Ultra, Samsung Galaxy S21 etc., and Android® tablets by using BitRaser Mobile Eraser & Diagnostics software.

STAGE1 (One-time) 5 MINUTES 🕐

Provides the steps to download the software ISO image file from **BitRaser** Cloud

STAGE 2 (One-time) 5 MINUTES 🕐

Provides instructions to create a bootable USB for installing the software on computer.

STAGE 3 (One-time) 5 MINUTES 🕐

Instructs on how to install the software, connect host machine to the Internet & acquire licenses

STAGE 4

Shares the steps to wipe Android devices by using BitRaser software installed on the host machine.

These instructions help you get started with wipe Android devices in less than 15 minutes.

Note: Total wiping time for a device will vary as per its storage capacity & erasure standard chosen.

STAGE 1

Download BitRaser Mobile Eraser ISO Image File from BitRaser Cloud – [5 Minutes]

- **STEP 1** Login to your cloud account using the credentials delivered to your email.
- STEP 2 Click user profile icon on BitRaser cloud Home screen to reveal BitRaser Mobile Eraser downloadable ISO file.

REQUIREMENTS

Blank USB:

2 GB or More



Dedicated host machine (desktop or laptop) to support the overall procedure

Internet connectivity:

Ethernet or Wi-Fi

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Android devices (phones and/or tablets) that need to be erased

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+ New Dashboard	My Dashboard				My Profile
	Available Licenses		Import Reports	Cc	Download BitRaser Mobile ISO
	Product name	Licenses		Prc	Customize ISO
	BitRaser Drive Eraser	188		Biti	Change Password
	BitRaser Mobile Eraser & Diagnostic	s 192		Bit	Holp
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				Dia	Logout
	Login Details				
	Last login	Wed Mar 25 2020 14:24:40			
-	User	sales@bitraser.com			
ss://download.bitrasercloud.c	com/BitMob_V3.0.0.3.iso				
BitMob_V3.0.0.3.Is 182/972 MB, 2 mins le	eft ^				

• STEP 3 Click **Download BitRaser Mobile ISO** to download ISO image of the software

STAGE 2

Burn BitRaser Mobile Eraser ISO on USB Drive to Create Bootable Media

- **STEP 1** Visit https://rufus.ie to download rufus an open source application widely used for creating bootable USB flash drive.
- **STEP 2** Install Rufus application on your laptop or desktop and then connect a USB drive to the system.
- **STEP 3** Launch Rufus and follow instructions in the below annotated image. Click START to initiate the next steps for bootable USB media creation.



File system	Cluster size	
FAT32 (Default)	▼ 8192 bytes (Def	ault) 🔻
Show advanced format	options	
Status		
	READY	
\$ () ≵ ■	START	CLOSE
Using image: BITRASER_16Ma	archRocky.iso	

• **STEP 4** Click 'Yes' on the pop-up message box to proceed further

Rufus 3.1.1320	
Drive Properties	
Device	
BITRASER (F:) [16GB]	
- Root selection	~
Download required	x
 This image uses Syslinux 6.03 but this application only includes the installation files for Syslinux 6.03/2014-10-06. As new versions of Syslinux are not compatible with one another, and it wouldn't be possible for Rufus to include them all, two additional files must be downloaded from the Internet ('Idlinux.sys' and 'Idlinux.bss'): Select 'Yes' to connect to the Internet and download these files Select 'No' to cancel the operation Note: The files will be downloaded in the current application directory and will be reused automatically if present. 	
YES	
READY	
S () ≇ ■ START CANCEL	
Using image: BITRASER_16MarchRocky.iso	J

• **STEP 5** Click OK on the final pop-up confirmation message to start burning BitRaser Mobile Eraser ISO file on USB.

A Rufus 3.1.1320
Drive Properties
Device
BITRASER (F:) [16GB]
Boot selection
Rufus
WARNING: ALL DATA ON DEVICE 'BITRASER (F:) [16GB]' WILL BE DESTROYED. To continue with this operation, click OK. To quit click CANCEL.
FAT32 (Default) Reference in the system of the system o
Show advanced format options
Status
READY
S (i) [∞] ■ START CANCEL
Using image: BITRASER_16MarchRocky.iso

After successful completion of the process, you will have a bootable USB media for installing BitRaser Mobile Eraser tool on the host machine via Boot menu.

STAGE 3

Install BitRaser Mobile Eraser, Create New User Profile, & Acquire Licenses

- **STEP 1** Connect the bootable USB media to your host machine (laptop or desktop).
- **STEP 2** Power ON the machine and press Function keys as applicable for your device 'make' and 'model' to enter Boot Menu.



- STEP 3 Select USB Device option and press Enter.
 - BitRaser Mobile Eraser and Diagnostics Installation Wizard will appear after the host PC boots successfully

	BitRaser Mobile Eraser & Diagnostics Welcome to BitRaser Mobile Eraser & Diagnostics installation wizard This wizard will guide you through the installation of BitRaser Mobile Eraser & Diagnostics. Alternatively, if you want to use this software for mobile diagnostics only, you can skip the installation and run BitRaser Mobile Eraser & Diagnostics directly from the installation media. Although, you will not be able to save the changes in the software settings, if you choose to skip software installation.
stell ^ä ar	Skip Installation
	< Back Next > Cancel

• **STEP 4** Click Next to see the End User License Agreement screen. Click Accept & then click 'Next.

End User License Agreement	
License Agreement - BitRaser	
BitRaser Copyright © by Stellar Information Technology Pvt. Ltd. www.stellarinfo.com	



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Your Agreement to this License :-

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 Backup Important Data screen will appear with message prompt to back up the data and choose disk partitioning options before proceeding further on software installation process.

Caution: Installing BitRaser Mobile Eraser and Diagnostics software on your PC or laptop will format the hard drive to create partitions. Backup the data stored on your PC before installing BitRaser Mobile Eraser and Diagnostics. The software overwrites the existing operating system to create a dedicated environment & setup for performing mobile erasure through the allocated machine on a fulltime basis.

• **STEP 5** After backing up your data, Click Next.

< 	BitRaser Mobile Eraser & Diagnostics Backup All Your Data! Installation wizard will remove all the existing partitions from your hard drive, while installing BitRaser Mobile Eraser & Diagnostics. This will lead to removal of all the data on the selected hard drive. Before you proceed with the installation, take a backup of all your data residing on the hard drive, you have selected for installation. Also verify whether your backup is successful or not.
stell ^ä ar	
	< Back Next > Cancel

- **STEP 6** On the next screen, select the hard drive from dropdown list for installing the software. Next, click **Start Installation**
 - The wizard will begin installing the software displaying "Please wait... installation is in progress" message.

 BitRaser Mobile Eraser & Diag Select the hard drive on which you war Make sure, you have taken backup of a will be deleted during the installation Select Hard Drive and Install	nostics nt to install BitRaser Mobile Eraser & Diagnostics. Il your data. All data on the selected hard drive process.
sda 👻	



• After the installation is completed, the screen will display

"Installation process completed" dialog.

• STEP 7 Remove the USB drive and click Reboot.

< \	BitRaser Mobile Eraser & Diagnostics Installation process completed, please remove installation media and restart the workstation.
ste ll^äar	Reboot Shutdown

• **Note:** When you run BitRaser Mobile Eraser and Diagnostics for the first time after system restart, it will prompt you to create a new user profile for easy manageability of mobile erasure tasks from a centralized device & interface.

Follow these steps to create a new user profile:

• STEP 8 Launch the software. Click Create New User button.



• **STEP 9** Next, fill in the Username and Password to create new user profile.



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Note: The new user profile is only to login to BitRaser Mobile Eraser and Diagnostics application on the host PC. This profile has no link with BitRaser Cloud credentials. The credentials to login to BitRaser Cloud are separate.

After creating user profile, you would need to connect the application to BitRaser cloud for acquiring the license information as follows:

- **STEP 10** Click **Network** icon on bottom right corner of the Home screen.
- **STEP 11** Click **Network** tab in Settings window.

For Ethernet, follow these steps:

Select Ethernet radio button.

Select Network Device from dropdown list.

Select Automatic (DHCP) in Configuration. All other fields will be auto-populated.

Click Connect.

merai Us	er Eras	ure D	iagnostics	Printer	Network	
Ethernet	Wireless	Proxy	Network	Status		_
Address		N	etwork Devi	ce: eno1	 Configuration 	: Manual
IP Address	192.168.24	.16				
Net Mask	255.255.25	5.0				
Gateway	192.168.24	.1				
DNS Primary DNS Second	8.8.8.3 ary 8.8.4.	8 4				
					Peret	Connect

For Wi-Fi, follow these steps:

Click Wireless tab.

Double click applicable wireless network in the displayed list

Enter password of the wireless network & then click Connect

	BitRas	er Mol	bile Eraser	& Diagn	ostics		
Network Ethernet	Wireless	Ргоху	Network	Status Inte	erface (wlp0s20f0	u7 -
My Office	BitRa	er Mot	bile Eraser	& Diagno	© stics	WPA2	
	SSID: My Office Encryption: WPA	2					
	Cancel			-	Co	nnect	
Cancel							OK

- STEP 12 Next, click User tab in Settings window
- **STEP 13** Enter BitRaser cloud URL, login user name & password. Click Login.

The software will connect to BitRaser cloud and access license information to initiate mobile erasure process

	User	Erasure	Diagnostics	Printer	Network	
User Lugi	n —					
Hostname/I	P ht	tps://bitraser	cloud.com			
UserID	ry	an@	esworks.com			
Password	•••					
			C			

STAGE 4

Wipe Android Device Using BitRaser Mobile Eraser Installed on Host Machine

- **STEP 1** Login to profile to start the erasure process.
- **STEP 2** Plug the Android device (phone and/or tablets) to the host PC. The main interface will display all the connected devices, prompting to turn ON USB debugging

Bit Ras	NOSTICS						
Devices	Details	Report					♀ <i>i</i> ?
Select all			Total:1, Selected: 0, Prog	ress: 0		So	rt by : USB ID → # =
Erase 1-12.3 SM N986B Connected IMEI: 353684121054716 Seriai: R2CNA00146E	1-122	1-12.1	1-12.4	1-2	1-5	1-6	2.8 🔺
1.3	1.9	1-10	1-11	1-12	1.7	1-14	1-15
Erasure Method : Zeroes (1 Pas	s) -)					Start
0							P

- a) On the device, go to settings > About < device >
- b) Tap **Build Number** under **About Device** for minimum seven
- times to make Developer Options available
- c) Go back to the Settings screen. Scroll down until you see

"Developer Options".

- d) Select Developer Options
- e) On Developer Options screen scroll down and enable **USB**

Debugging

• **STEP 3** Select Erasure Method from dropdown list at the bottom of screen and Click **Start**

A message box will pop-up, asking for final confirmation to initiate the erasure process.

BitRas MOBILE ERASER & DIA			_					
Devices	Details	Report					♀ <i>i</i>	?
✓ Select all			Total:1, Selected: 1, Prog	ress: 1		So	rt by : USB ID 👻 🖁	8 🔳
Crase Control	1-12.2	1-12.1	1-12.4	1-2	1-5	1-6	2-8	•
13	1-9	1-10	141	1-12	1-7	1-14	1-15	•
Erasure Method : Zeroes (1 P	ass) 👻						Start	
0							"	P

• **STEP 4** Click Proceed to initialize the erasure process.

The software will start analyzing the connected devices to the host machine. The software will list Device Status, Device Type, ECID/IMEI and Serial Number of the connected devices.

Next, it will start erasing all the connected devices.

Devices	Details	Report					Ö <i>i</i> ?
✓ Select all		т	otal:1, Selected: 1, Progre	ess: 1		Sort by : USB ID	
V Eraso SM M986E 226GB 01m:39s Erasing 20% IMEI: 333684121054716 Serial: R20XM00146E	1-12.2	1-12.1	1-12.4	1-2	1-5	1-8	2-8
1.3	1.9	1-10	1-11	1-12	1-7	1-14	1-15
Erasure Method : Zeroes (1 Pass)					2	Start

• After successful completion of an erasure task, the software interface will display **'Completed'** as the final status for all wiped devices.

Devices	Details	Report					₿ i ?
✓ Select all	Total:1, Selected: 1, Progress: 0 Sort by : USB II				rt by : USB ID → 器 ≣		
Erase SM N9986B 226GB SM N9986B 226GB 14m:33 Completed IME: 353684121054716 Sertial: R2CNA00146E	1-12.2	1-12.1	1-12.4	1.2	1-5	1-6	2.8
1-3	1:9	1-10	1-11	1-12	1-7	1-14	1-15
Erasure Method : Zeroes (1 Pass) 👻						Start

After the process is completed, the software will generate digitally signed reports for all the erased Android devices (phones & tablets), like OnePlus 9 Pro, Google Pixel 4a, Samsung Galaxy S21 Ultra, Samsung Galaxy Note 20 Ultra, OnePlus 9, Moto G Power (2021), Samsung Galaxy S21, Google Pixel 4a 5G etc. You can save the reports automatically on your BitRaser cloud account.

> You have successfully wiped your Android devices using <u>BitRaser Mobile Eraser & Diagnostics software.</u>