

GearGadget Instruction Sheet

Samsung Gear S3 Frontier Setup

To allow for communication with the Gear S3, you must first turn on the Wi-Fi connection and enable the Debugging mode. To do so:

- Go to Settings > Connections > Wi-Fi, Turn on Wi-Fi connection
- Go to Settings > Gear Info > About Device
- Tap on the Software Version heading 5 times to show more options
- Scroll to Developer Options and enable
- Reboot device to initialize

Once the Gear S3 has powered back on, connect it to a known Wireless Access Point (WAP). To do so:

- Go to Settings > Connections > Wi-Fi, Select the known WAP and connect
- Note the IP address assigned to the Gear S3 once connected to the WAP

Host PC Setup & Data Acquisition

After setting up the Gear S3, connect the Host PC to the same known WAP via UTP cable or Wi-Fi and power on the GearGadget virtual machine. Once powered on, follow these steps:

- Click on the GearGadget profile and enter the password: *forensics*
- Click on the Terminal icon in the left-side toolbar (black box)
- Type the following: *bash .GearGadget.sh*
- Follow the prompts:
 - Type an identifying unique name/number for the device
 - Enter the IP address given to the Gear S3 when connecting to the WAP
 - Once the data acquisition has finished, type exit to close the tool

Accessing the Filesystem Acquisition for Analysis

The data acquisition is stored in the Home directory of the virtual machine. To access this, follow these steps:

- Click on the Files icon in the left-side toolbar to open
- Double click on the folder labelled GearS3_Extractions
- Locate and copy the folder with your unique name/number to an external media source
- Once copied, the folder can be pulled into any desired data analysis tool
 - > Handle as a filesystem with Android content