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|-------------------------------------------|--------------------------------------------|
| 1: RF antenna                             | 2: Ventilation - KEEP CLEAR                |
| 3: Input voltage                          | 4: Battery status                          |
| 5: External power                         | 6: GAR computer recovery button            |
| 7: Power button                           | 8: LED status for GAR computer             |
| 9: non-MIMO WiFi device                   | 10: Mains power                            |
| 11: External fan                          | 12: GPS antenna                            |
| 13: Receiver power                        | 14: Receivers (up to 4)                    |
| 15: USB charger                           | 16: Receiver power and LEDs                |
| 17: Receiver synchronization cable        | 18: RF antenna                             |
| 19: MIMO antenna x4                       | 20: USB-C                                  |
| 21: Fan x3                                | 22: Cigarette lighter power cable (12V) x2 |
| 23: RJ45 cables from computer to receiver | 24: Power to unit                          |
| 25: Battery packs x4                      |                                            |

## 1 Powering Up

Charge and use the supplied battery packs for 6 to 8 hours to power the GAR unit when running a data collection on foot. If you are using a vehicle then you can either use fully charged battery packs, or start the vehicle then connect the GAR unit to both cigarette lighters.

To power up the GAR unit, press the **Power** button in on the top right corner of the unit. Note, it is important that you only press the button once. Once powered on, the blue LED alongside the **Power** button is lit.

Verify the **Input voltage** displays more than 11.5 V and you can hear the fan. This ensures full function of the unit.

Wait two minutes for the GAR unit computer to start and initiate collection by either driving or walking.

### Additional power details

- When the GAR unit is running on its own batteries, then to minimize power consumption, none of the displays are on.
- When the **Battery status** LEDs are flashing the batteries are charging; once fully charged the LEDs stop flashing and remain lit.
- If the **External power** LEDs are not lighting then there is an issue with your GAR unit and you must call Gladiator Forensics support.
- If **Input voltage** shows 11 V or less then the vehicle's power supply is faulty.
- If the blue LED beside the **Power** button is not lit, it means the GAR computer is not on. To resolve this:
  - Press the computer recovery button to resynchronize the GAR computer.
  - The battery charge may be low. Connect the GAR unit to the mains power supply.
  - If neither of the previous options resolve the issue it may be that the GAR computer is faulty and you must call Gladiator Forensics support.

## 2 Connecting to the GAR

Set up the WiFi connection between the GAR unit and the MiFi device by selecting the MiFi connection SID and entering the password. The MiFi SID and password are available on the MiFi device screen.

Connect the computer, tablet or phone to the MiFi device using the same method.

After the GAR unit has fully powered up and connected to the computer, tablet or phone using the MiFi device, the GAR unit is ready to perform a drive test to collect cellular and WiFi coverage data.

More information is available in the "Assigning GAR to MiFi network for the first time" document.

## 3 Performing a drive test

Using a computer, tablet or phone, open a web browser and navigate to the URL (GAR IP on MiFi) for the GAR user interface. For best results, use the Google Chrome web browser.

On the **Startup** tab's **Choose mode** screen, select **Start a new collection and discovery (new campaign)** to discover the available operators, technologies and frequencies while collecting the cellular and WiFi coverage data in a new campaign.

If you start the GAR unit in **Idle** and do not open the browser interface, the GAR unit automatically starts a collection with discovery after a period of time.

## 4 Shutting Down

To shut down the GAR unit, click **Stop** to end your collection, then press the **Power** button in on the top right corner of the unit. Wait 30 seconds for the GAR unit to fully shut down.

Note, the GAR unit will not restart if you press the Power button within 30 seconds of shutting it down.

More information is available in the GAR Users Help, which you can access from the GAR user interface.