



Product: SD-7000T1

User Manual



About This Manual

Thank you for choosing this SyncUP DRIVE SD-7000T1. To keep your device in its best condition, please read this manual and keep it for future reference.

Notice

This manual has been designed with the utmost care to ensure the accuracy of its content. However, all statements, information and recommendations contained therein do not constitute a warranty of any kind, either expressed or implied.

Please refer to *For Your Safety* to be sure to use your phone properly and safely.

Disclaimer

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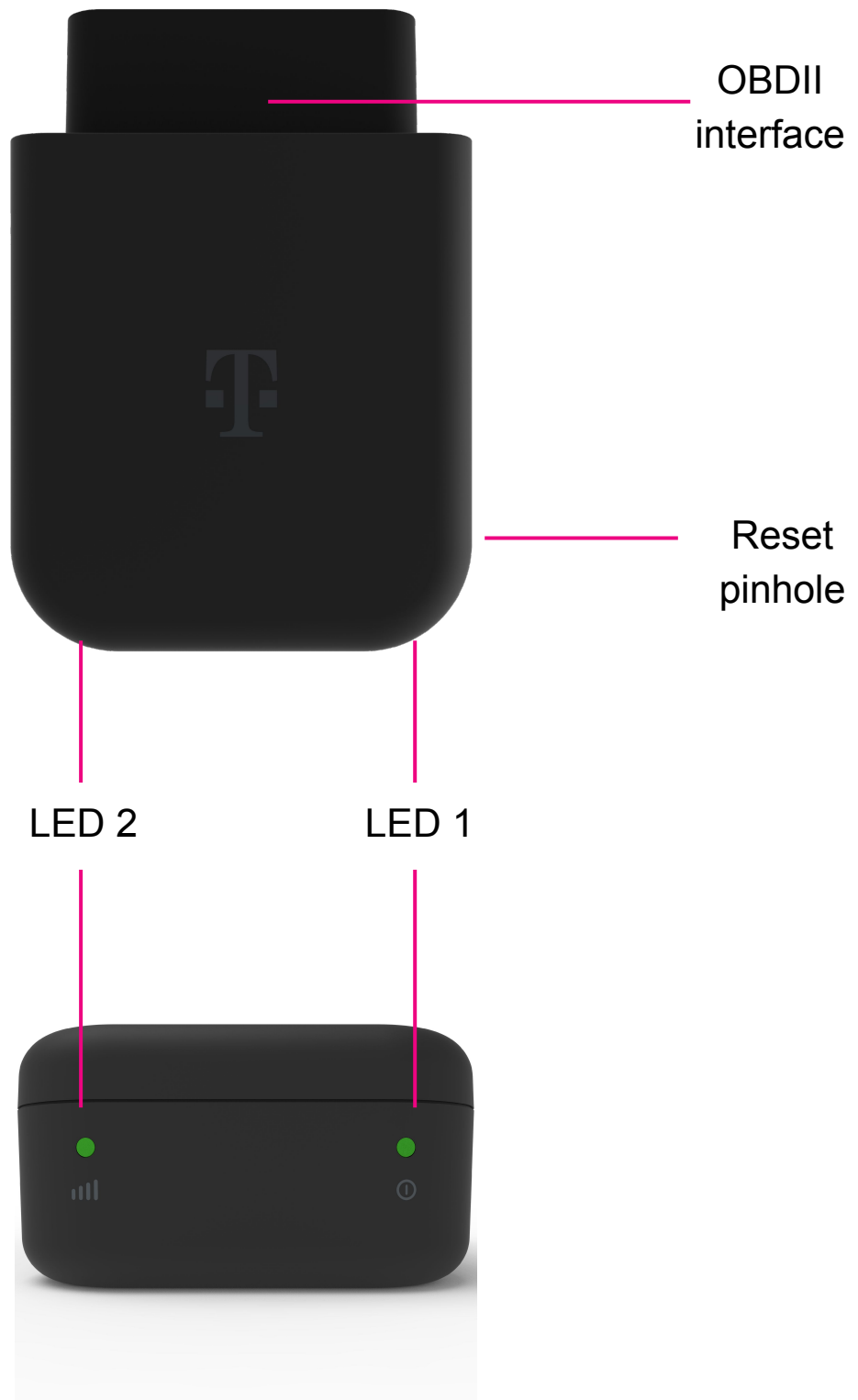
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Getting Started

Know your OBD (On-Board Diagnostics) Device



Getting Started

LED Indicator Status

LED indicator	LED status
 LED 1 (Power)	OFF
Device not being powered and/device is completely off	
 LED 1 (Power)	Green blinking slow 10 ms every 3 sec
Device is in low power mode	
 LED 1 (Power)	Green solid
Device is being powered by the vehicle while in operational mode	
 LED 2 (Signal)	Red solid
Wrong device configuration (SIM not activated, ...), device can't connect to network	
 LED 2 (Signal)	Green blinking
Device is not yet connected to cellular network or GPS network. Open the app to check the device status (onboarding data obtained via bluetooth local connectivity)	
 LED 2 (Signal)	Green solid
Device is connected to cellular and data and GPS	

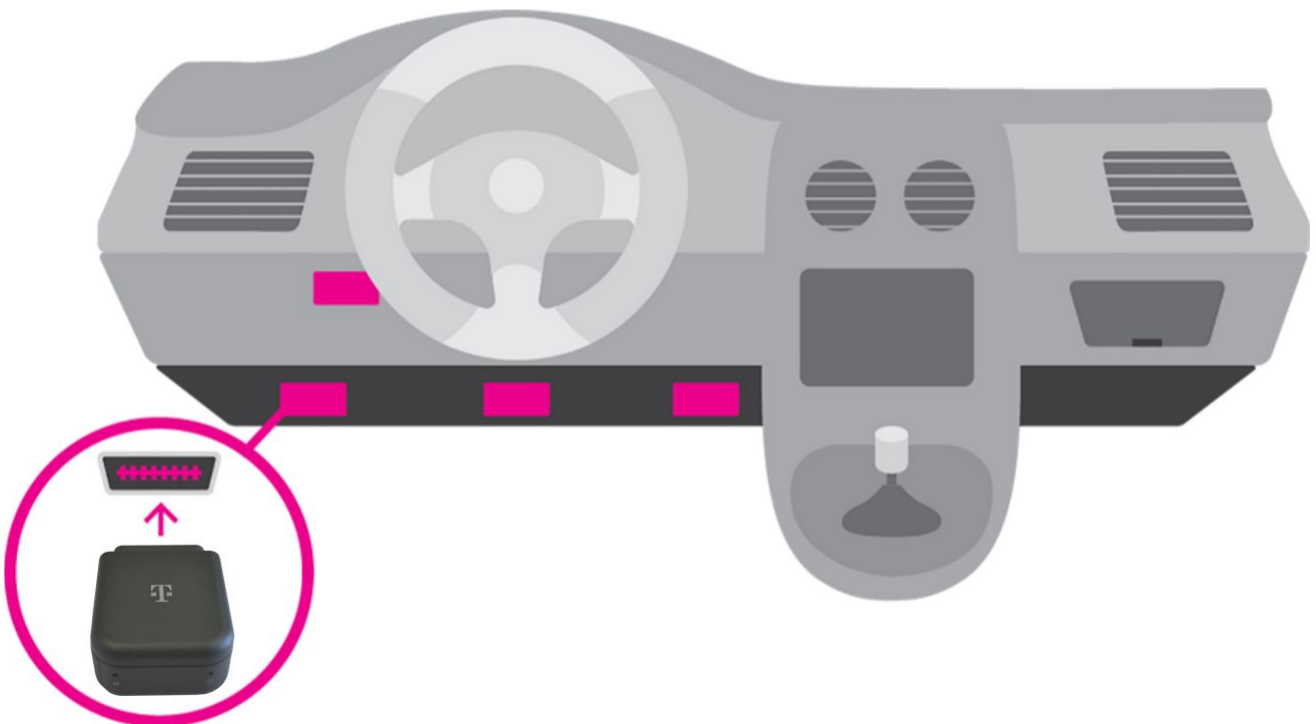


Installing your OBD device

- Download the T-Mobile SyncUP DRIVE Application from [Google Play](#) and the [Apple App Store](#).
- Log-in to your App and follow the onboarding process
- Make sure your vehicle is parked outside in a safe location and the engine is turned off.
- Connect your OBD device into the OBD connector port (or into an extension cable if it is required – not included). Ensure that your OBD device is connected in the correct direction.

NOTE: When installing your OBD device, be mindful to prevent damaging the connector pins.

- Align the device with the port and plug it in for a snug fit. The OBD (On-Board Diagnostics) connector is usually located on or under the dash, on the driver's side. Other possible locations are at the center console or inside the glove compartment area (see [below figure](#) for possible reference or visit <https://www.t-mobile.com/iot-devices/syncup-drive-connected-car>).



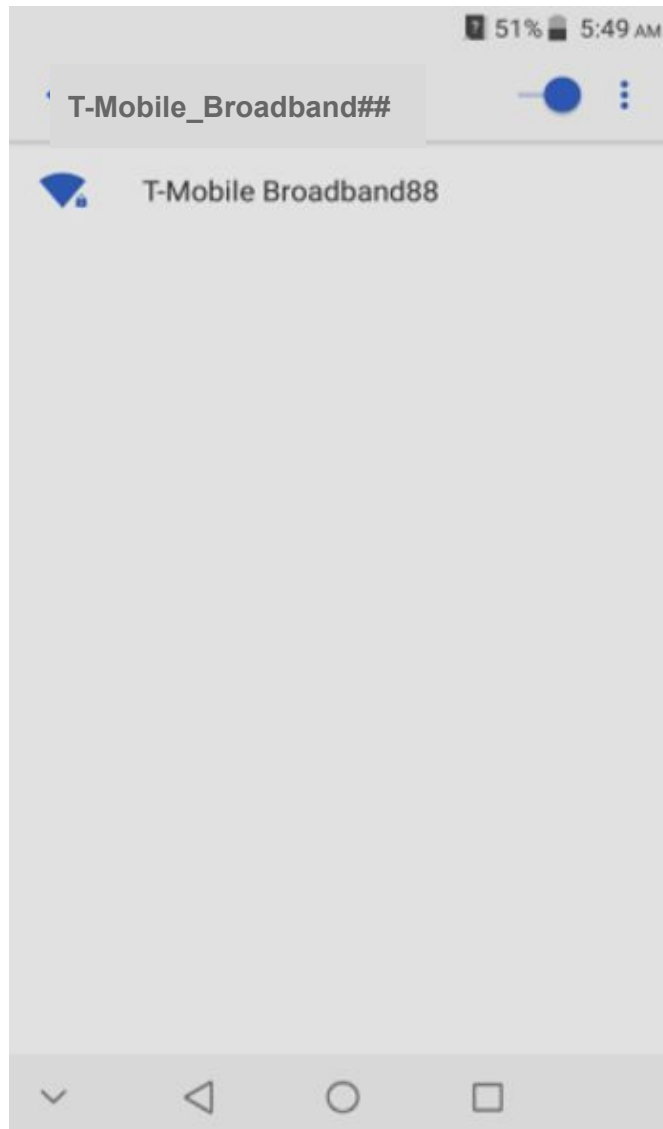
- Once Device is connected, go for at least a 10 min Drive.
- Once powered up, your OBD device automatically searches for and connects to your network provider's mobile broadband network.



Connect devices with your OBD device's Wi-Fi

- Connect your smartphone or other WPS (Wi-Fi Protected Setup) - enabled devices to your network:

Use your normal Wi-Fi application on the client device to search for the available wireless network



- Select the Wi-Fi network name on your Smartphone WiFi menu; the initial WiFi network name (also called SSID) is T-Mobile_Broadband## where ## are the 2 last digits of your device IMEI number
- Input the Wi-Fi network password: for the initial password, refer to the card provided within your product gift box
- Launch your browser to surf the Internet



Manage Your OBD Device and Settings

The SyncUP Drive OBD Dongle Device includes a 4G Mobile Hotspot accessible via local connectivity (Wi-Fi).

It includes the newest 802.11 b/g/n/ac Wi-Fi connectivity, both for 2.4 and 5GHz, enabling an enhanced customer experience with the newest generations of smartphones or tablets.

To personalize the OBD device and change the Wi-Fi settings, use the SyncUP DRIVE Application WiFi configuration menu:

- Wi-Fi ON/OFF
- change Wi-Fi network (called SSID) and Wi-Fi password

Note: Functionality to configure the Wi-Fi connection frequency bands (2.4/5GHz) will be added to the App during a future App update

Reset the OBD Device

You can reset the OBD device to the factory settings via the OBD device Reset Pinhole.

While the device is powered, insert a pin into the Reset Pinhole and hold for at least 10 seconds. Then wait for it to entering low power mode.

NOTE: When you reset the OBD device, any currently connected devices will lose access and will have to be reconnected after the OBD device restarts.

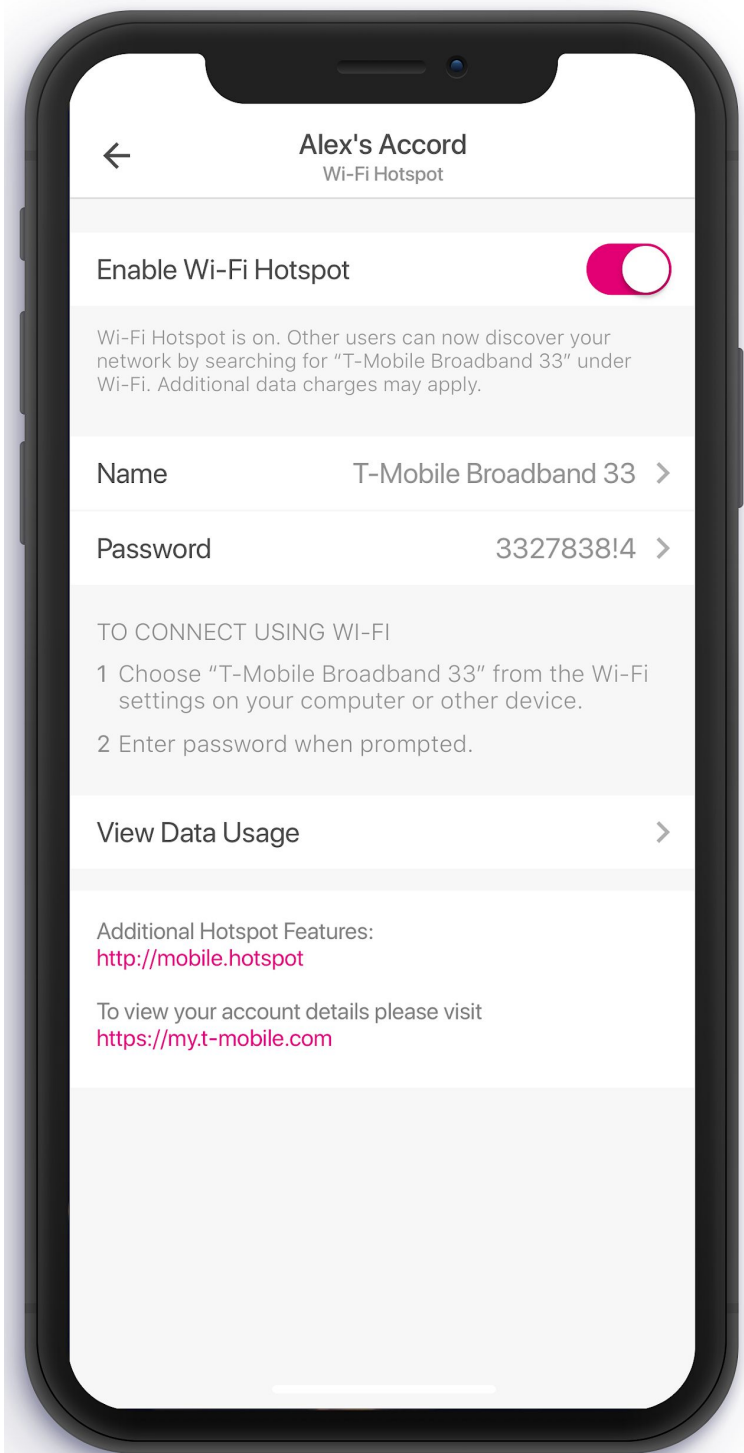


Use Your OBD Device

This chapter describes the main features of the App for managing your OBD device.

Wi-Fi Hotspot Configuration Screen

- Wi-Fi ON/OFF (by default: ON)
- Modify Wi-Fi local network SSID name (by default: T-Mobile Broadband XX)
- Modify Wi-Fi password (by default: set randomly in factory)



← Enable/Disable Wi-Fi

← modify SSID name

← modify password



Troubleshooting

Physical Inspection

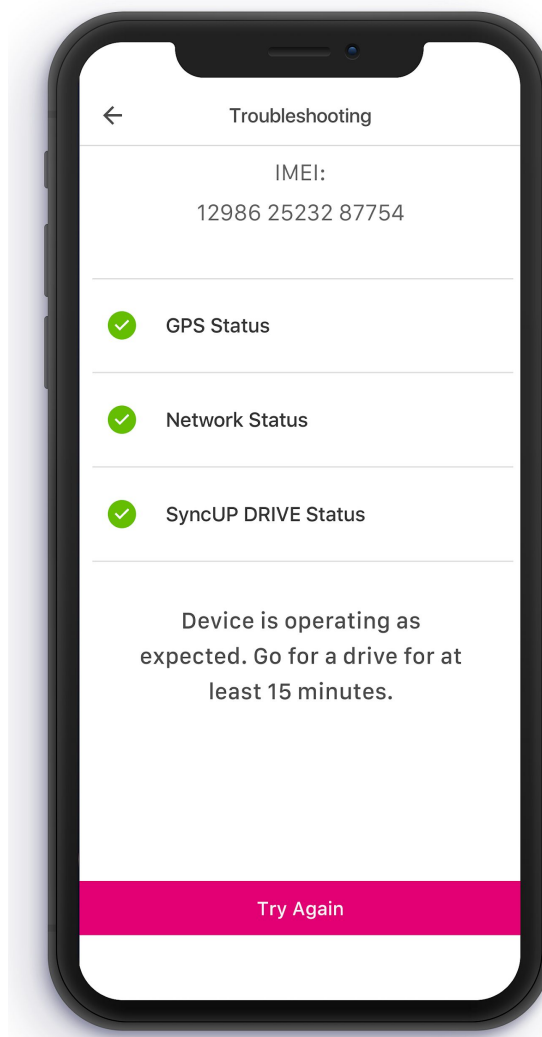


Ensure that the Device is adequately plugged in the vehicle OBDII port.

Refer to the LED Indicator Status section in this manual.

Device Conditions Status via SyncUP DRIVE Application

Within the SyncUP DRIVE Application Help Menu, you will be able to check historical and current information related to your Device conditions



SyncUP DRIVE status

- Network
- GPS
- Application



Frequently Asked Questions

Problem	Suggested Solution
Cannot establish the Wi-Fi connection between your device and client	• Refresh network list and select correct SSID • Refresh visible Wi-Fi networks from the client smartphone or tablet • Device must be connected and the 2 LEDs in green solid mode • Check the Help menu of the Application to verify the exact status of the WiFi connection
The client connected to the device cannot access the Internet	• Vehicle must be in an adequate cellular coverage area • Device must be connected and the 2 LEDs in green solid mode • Check the Help menu of the Application to verify the exact status of the Cellular and WiFi connection • Check if device is properly plugged-in • Unplug the device for a few minutes, then replug it
Forgot the password	• The password is also written on the card provided in the device giftbox • If you changed the password and forgot the new password, you need to reset the device to the factory default settings



Compatible vehicles

Your vehicle will be automatically identified when installing your OBD device for the first time.

However, if you experience missing features when using your device, visit the <https://www.t-mobile.com/offers/syncup> web page to check compatibility. Contact your customer care if your vehicle does not appear on the list.

NOTE: Electric cars and other vehicles, like heavy duty trucks, motorcycles and ATVs, are not compliant with your OBD device.

Specifications

Mechanical specifications

Dimensions : 71 x 50 x 27 mm
2.79 x 1.96 x 1.06 in

Supported RF bands

Technology	Bands
4G FDD	Band 2 Band 4 Band 5 Band 12 Band 66 Band 71
WiFi	2.4 / 5 GHz
Bluetooth / Bluetooth Low Energy	2.4 GHz



Warnings and notices



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

Please read the installation guidelines, as well as the safety and operating instructions before operating your device. Follow all instructions and heed all warnings in the installation guide.

There is a risk of explosion if the battery is replaced by a wrong battery type. Please discard empty battery according to local regulations.

Dispose of used batteries according to the instructions.

Battery Warning:

- a) Do not disassemble or open crush, bend or deform, puncture or shred
- b) Do not modify or remanufacture, attempt to insert foreign objects into the battery, immerse or expose to water or other liquids, expose to fire, explosion or other hazard.
- c) Only use the battery with a charging system that has been qualified with the system per CTIA Certification Requirements for Battery System Compliance to IEEE 1725. Use of an unqualified battery or charger may present a risk of fire, explosion, leakage, or other hazard.
- d) Replace the battery only with another battery that has been qualified with the system per this standard, IEEE-Std-1725. Use of an unqualified battery may present a risk of fire, explosion, leakage or other hazard.
- e) Only authorized service providers shall replace battery. (If the battery is non-user replaceable).
- f) Promptly dispose of used batteries in accordance with local regulations
- g) Avoid dropping the phone or battery. If the phone or battery is dropped, especially on a hard surface, and the user suspects damage, take it to a service center for inspection.



FCC Regulations

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



FCC RF Exposure Information (SAR)

This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the United States.

During SAR testing, this device is set to transmit at its highest certified power level in all tested frequency bands (and placed in positions that simulate RF exposure in usage near the body with the separation of 15 mm and on extremity with a separation of 0 mm.) Although the SAR is determined at the highest certified power level, the actual SAR level of the while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

The exposure standard for wireless employs a unit of measurement known as the Specific Absorption Rate, or SAR.

The SAR limit set by the FCC for body & head exposure is 1.6 W/kg.

The SAR limit set by the FCC for extremity exposure is 4.0 W/kg.

The FCC has granted an Equipment Authorization for this model device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model device is on file with the FCC and can be found under the Display Grant section of www.fcc.gov/oet/ea/fccid after searching on FCC ID: **A6GC4D-4G4USV8-2**.

For this device, the highest reported SAR value for usage near the body is **1.30 W/kg**.

For this device, the highest reported SAR value for usage on extremity is **3.29 W/kg**.

While there may be differences between the SAR levels of various devices and at various positions, they all meet the government requirement.

(SAR compliance for body operation is based on a separation distance of **15 mm** between the unit and the human body.)

