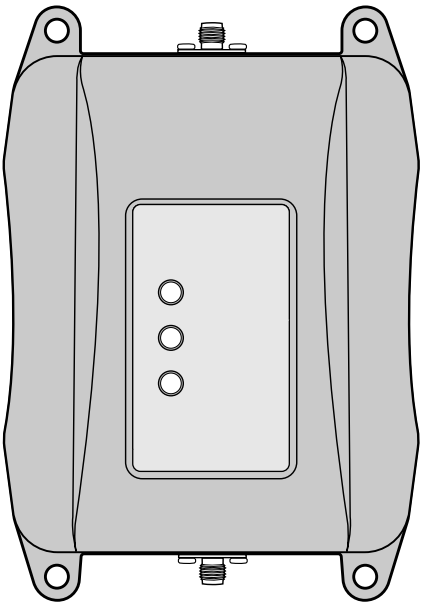
weboost®

ENGLISH



Drive 3G-M+

Signal Booster

A515551

www.techlineglobal.com/ghana

Customer Support: +233-30-703-2020
Mon-Fri 8 am to 6 pm. Email: support-gh@techlineglobal.com

ENGLISH

THE Drive 3G-M+ SIGNAL BOOSTER MAY REMAIN ON, IN VEHICLES WHOSE 12V DC POWER SOURCES DO NOT AUTOMATICALLY SHUTDOWN WHEN THE VEHICLE IS TURNED OFF. THIS COULD RESULT IN DISCHARGING THE VEHICLES BATTERY IN ONE TO TWO DAYS.

Installation Instructions for the Following weBoost Signal Boosters:

Drive 3G-M+ Signal Booster
Model # A515551

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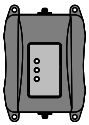
Package Contents



Drive 3G-M+
Signal Booster

Mini-Mag
Outside Antenna
301126

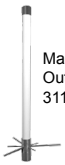
Slim Low Profile
Inside Antenna
301152

DC Plug-In 5.5V/2A Power
Supply & USB CAble
859111

Optional Antennas

12" Mag Mount
Outside Antenna
311125

NMO
Outside Antenna
311104-5810



Marine
Outside Antenna
311130-5810

Trucker
Outside Antenna
311101

Appearance of device and accessories may vary.

Before Getting Started

Before you install your Drive 3G-M+ Booster and start enjoying improved cellular reception please do the following:

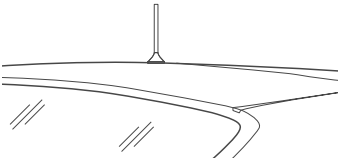
1. Read through all the installation steps. This will help you know what to expect from start to finish.
2. Watch the YouTube video demonstrating the Drive 3G-M+ Signal Boost installation at: weboost.com/us/drive3G-M+video
3. Familiarize yourself with all materials in your product package. This will allow you to know which pieces are referenced in the instructions.

Installation

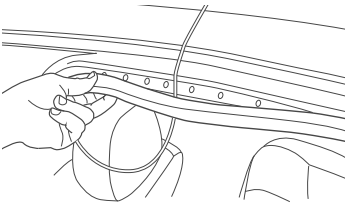
You can install your Drive 3G-M+ Signal Booster in your vehicle using the following steps. NOTE: Before completing your installation, create a "soft" installation by putting the components of your Drive 3G-M+ Signal Booster in place and testing the operation before mounting equipment.

1. Install the outside antenna. Select a location on top of the car that is:
   - Near the center of the vehicle's roof.
   - At least 30 cm from any other antennas.
   - Free of obstructions.
   - At least 15 cm from any windows (including sunroofs).
   - At least 20 cm from any people.

The outside antenna must be installed vertically on a metallic surface.



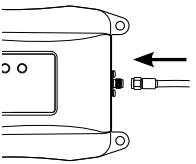
2. Run the outside antenna cable into the car. The cable is strong enough that it may be shut in most vehicle doors without damaging the cable. For a cleaner look, carefully pull down the door seal, run the cable under the seal, and push the seal back into place. This method reduces wear on the cable as the door opens and closes.



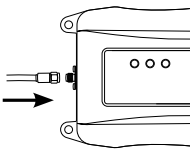
3. Install the Low-Profile inside antenna.
   - Identify a place on the right side of the driver's seat to mount the inside antenna. The location should be at least 18 inches from where the cellular device will be used.
   - Install the inside antenna at the same angle as the cell phone when held in use or near the laptop's cellular data card to maximize signal strength.

   For a more professional look, you can install the inside antenna underneath a car seat cover or upholstery.
   - When you have tested the functionality of your Drive 3G-M+ Signal Booster, mount the inside antenna by peeling off the backing of the Velcro® and attach it to your selected location on the seat and secure the inside antenna.

4. Place and connect the Drive 3G-M+ Signal Booster.
   - Select a location for the Signal Booster that is free from excessive heat, direct sunlight and moisture and that has proper ventilation. Good locations include underneath a seat or under the dashboard.
   - Connect the wire from the outside antenna to the port labeled "outside antenna" on the Signal Booster.



   - Connect the wire from the inside antenna to the port labeled "inside antenna" on the Signal Booster.



   - Plug the power adapter into vehicle's 12V DC power supply and attach the cord to the side of Power Booster labeled "Power." NOTE: Do NOT connect the power to the Signal Booster until you have connected both the inside and outside antennas.

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Mon-Fri 8 am to 6 pm. Email: support-gh@techlineglobal.com

Note: The Drive 3G-M+ Signal Booster may remain on, in vehicles whose 12V DC power sources do not automatically shutdown when the vehicle is turned off. This could result in discharging the vehicles battery in one to two days.

Note: Some 12V DC power sources are shut down when the vehicle ignition is turned to off. Refer to your vehicle owners manual for specifics related to your vehicle.

NOTE: The plastic casing of your Signal Booster will adjust to the temperature of its environment, but is designed to protect the Signal Booster technology. For example, in the summer, the Signal Booster case may be as hot as 150 degrees inside your vehicle. These high temperatures will NOT damage the Signal Booster, nor do they pose a fire risk to the vehicle. Again, be sure to place your Signal Booster in a location with adequate ventilation and away from direct sunlight or moisture.

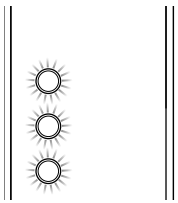
Troubleshooting & Understanding Lights

The lights on the front of the Drive 3G-M+ Signal Booster indicate whether the system is working or if there are problems. Each light indicates the operation of its labeled frequency. Take the following steps based on the indicator light color when using the Drive 3G-M+ Signal Booster.

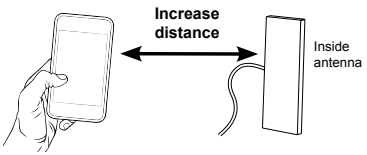
Lights off: If the lights are not on:

- Check connections on the power supply to see that it is firmly plugged into both the Drive 3G-M+ Signal Booster and the power source.
- If using a DC power supply in your vehicle, ensure the power supply is properly inserted. Then check the 12 volt power from the car socket and the fuse. Replace the fuse if necessary.

Red light: A red light indicates oscillation is occurring. Oscillation is similar to feedback between a microphone and speaker. When oscillation occurs, the Signal Booster will power down to protect the cell tower. To eliminate oscillation, the outside antenna needs to be moved farther from the inside antenna. Move the outside antenna on the roof to the rear of the car, but at least 20 to 30 cm from the rear or side windows. Disconnect the power from the Signal Booster, then reconnect the power to reset the Signal Booster.



Flashing red light: If one or more of the lights on the Signal Booster are blinking red, this means that the Signal Booster has shutoff due to close proximity to the handset or mobile device. Increase the distance between the handset and the Inside Antenna until the light is no longer flashing red. Contact Customer Support for assistance: +233-30-703-2020.



Green light: A green light indicates the Drive 3G-M+ Signal Booster is working properly.

If you have additional questions about

the operation of your Drive 3G-M+ Signal Booster, please contact the local Wilson Electronics Distributor support team at +233-30-703-2020 support-gh@techlineglobal.com

Additional FAQ:

What hours can I contact tech support?

Technical Support can be reached from Mon-Fri 8 am to 6 pm, by calling +233-30-703-2020, at support-gh@techlineglobal.com

How does weather affect the performance of my Outside Antenna?

Water vapor (e.g. rain, fog, snow or other precipitation) creates an effective filter to cellular signal. In times of heavy precipitation, you may see less performance.

What's the difference between the 2100 IMT (BAND 1), 1800 DCS (Band 3), 900 E-GSM, GSM (Band 8)? How do I know which MHz band my cell phone uses?

The Drive 3G-M+ works with all major South African cellular providers on the 2100 IMT (BAND 1) / 1800 DCS (Band 3) / 900 E-GSM, GSM (Band 8) frequencies/bands. These frequencies/ bands are associated with voice, 3G and 4G data.

Safety Guidelines

⚠ **WARNING:** The Inside Antennas must have 18 inches of separation distance from all active users.

⚠ **WARNING:** Connecting the Signal Booster directly to the cell phone with use of an adapter will damage the cell phone.

⚠ **WARNING:** Use only the power supply provided in this package. Use of a non-weBoost product may damage your equipment.

⚠ **WARNING:** The Signal Booster unit is designed for use in an indoor, temperature-controlled environment (less than 150 degrees Fahrenheit). It is not intended for use in attics, vehicles or similar locations subject to temperatures in excess of that range.

⚠ **WARNING:** The Outside Antenna must be installed no higher than 10 meters (32'9") above ground.

⚠ **RF SAFETY WARNING:** Any antenna used with this device must be located at least 8 inches from all persons.

Signal Booster Specifications

	Drive 3G-M		
Product	515551		
Model Number	515551		
Connectors	SMA		
Antenna Impedance OHm	50		
Frequency MHz	1920-1980 / 2110-2170	1710-1785 / 1805-1880	880-915 / 925-960
Bands	B1	B3	B8
Passband Gain UL/DL	53.9 / 53.7	49.8 / 51.8	49.3 / 50.1
20 dB Bandwidth (MHz)			
Typical	74.8	85.6	39.4
Maximum	77.4	86.7	41.5
Power output for single cell phone (dBm)			
Uplink	20.2	21.2	20.3
Downlink	2.8	3.2	2.6
Power output for multiple received channels (Uplink) dBm **No. Tones**			
2	20.2	21.2	20.3
3	18.4	19.4	18.5
4	17.2	18.2	17.3
5	16.2	17.2	16.3
6	15.4	16.4	15.5
Power output for multiple received channels (Downlink) dBm **No. Tones**			
2	2.8	3.2	2.6
3	1	1.4	0.8
4	-0.2	0.2	-0.4
5	-1.2	-0.8	-1.4
6	-2	-1.6	-2.2
Noise Figure UL/DL	7.4 / 7.0	5.0 / 6.0	4.4 / 4.4
Isolation dB	-65		
Power Requirements	6 V, 1.5A		

The Manufacturer's rated output power of this equipment is for single carrier operation. For situations when multiple carrier signals are present, the rating would have to be reduced by 3.5 dB, especially where the output signal is re-radiated and can cause interference to adjacent band users. This power reduction is to be by means of input power or gain reduction and not by an attenuator at the output of the device.

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1-Year Warranty

weBoost signal boosters are warranted for one (1) year against defects in workmanship and/or materials. Warranty cases may be resolved by returning the product directly to the reseller with a dated proof of purchase.

Signal Boosters may also be returned directly to the local distributor at the consumer's expense, with a dated proof of purchase and a Returned Material Authorization (RMA) number supplied by Techline Global. weBoost shall, at its option, either repair or replace the product. Techline Global will pay for delivery of the repaired or replaced product back to the original consumer if located within the various African regions.

This warranty does not apply to any Signal Boosters determined by weBoost to have been subjected to misuse, abuse, neglect, or mishandling that alters or damages physical or electronic properties.

Failure to use a surge protected AC Power Strip with at least a 1000 Joule rating will void your warranty.

RMA numbers may be obtained by contacting your local distribution partner at +233-30-703-2020

Disclaimer: The information provided by weBoost is believed to be complete and accurate. However, no responsibility is assumed by weBoost for any business or personal losses arising from its use, or for any infringements of patents or other rights of third parties that may result from its use.

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U.S. Patent Nos. – 7,221,967; 7,729,669; 7,486,929; 7,409,186; 7,783,318; 8,583,034; 8,583,033; 8,639,180

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