

Power Supply

- This car kit supports 12V DC power only. Do not use in vehicles with 24V DC power.
- Connect the power supply only to designated power sources as marked on the product.
- To reduce risk of damage to the electric cord, remove it from the cigarette lighter by holding onto the cigarette lighter adapter rather than the cord.
- Make sure the cord is positioned so that it will not be stepped on or otherwise subjected to damage or stress.
- To reduce risk of electric shock, unplug the unit from any power source before attempting to clean it.

Children

Do not allow children to play with your car kit as it contains small parts that could become detached and create a choking hazard.

Copyright Information

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LIMITED WARRANTY

For a period of 90 days from the date of purchase, TerreStar Networks Inc. ("TerreStar") warrants this Product (including any accessories provided in the box) against defects in materials or workmanship. If this Product is determined to be defective within the 90 day warranty period, TerreStar will repair the Product or replace it with a new or refurbished Product, at its option, at no charge to the customer, except as set forth below.

This warranty does not cover cosmetic damage or damage due to misuse, abuse, negligence, acts of God, accident, or modification of any part of the Product. This warranty does not cover damage due to improper operation or maintenance, connection to improper voltage supply, or attempted repair by anyone other than a facility authorized by TerreStar to service this Product. This warranty is only valid in the United States.

To obtain warranty service, you must receive a Return Authorization from TerreStar and ship the Product at your expense to TerreStar's authorized service facility. You must ship the Product in either its original packaging or packaging affording an equal degree of protection.

This warranty does not cover customer instruction, set up or set up adjustments or network coverage problems.

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Thank you for purchasing the TerreStar GENUS Satellite Smartphone Car Kit.

The TerreStar GENUS® Car Kit is an accessory to the TerreStar GENUS®, the world's first integrated satellite/cellular smartphone. The GENUS Car Kit extends the reach and functionality of the TerreStar GENUS by enabling in-car mobile coverage with continuous power supply.

With the GENUS Car Kit, you can attach to the TerreStar-1 satellite in more challenging conditions (such as in-vehicle mobile or degraded line-of-sight) and stay connected longer. Some of the benefits enjoyed by GENUS Car Kit users are:

- Better performance
 - Improved mobility
 - Powered roof top antenna
 - Improved voice and data signal quality
 - Up to +6 dB gain on transmit path
 - Up to +10 dB gain on return path
 - Improved line of sight to satellite
 - Fewer dropped calls
- Continuous power supply
 - Stay connected longer
 - Cradle for hands free GENUS operation*
- Easy installation
 - Magnetic mount to vehicle roof top
 - Cradle with windshield suction mount
 - Transceiver placement under seat or in center console
 - DC power adapter

* Microphone, speaker not included in Car Kit.

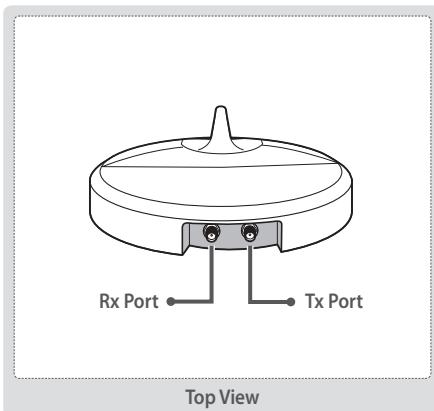
In the Box



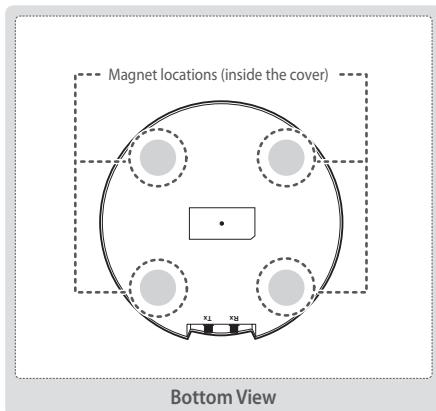
Antenna	Magnetic mount roof top antenna.
Transceiver	Amplifies the radio signal to and from the satellite.
Cradle	Holds GENUS device.
Suction Mount	Mounts cradle to the windshield or dashboard.
Dashboard Mounting Disk	Adhesive mount for dashboard installation option.
RF Cables	Transmit (Tx) cable (3 m) connects transceiver to antenna. Receiver (Rx) cable (3 m) connects transceiver to antenna. Cradle RF cable (1.5 m) connects transceiver to cradle.
Micro USB Power Cord	Power cable from transceiver to GENUS to charge GENUS.
DC Power Adapter	Supplies 12V DC power to transceiver via vehicle cigarette lighter.
Rubber Sleeves	Preinstalled on the cables.
Spanner Wrench	Tool to tighten connectors of RF cable to antenna RF ports.
Installation Guide	Contains technical specifications, step-by-step installation procedures, diagrams, troubleshooting and Q&A section.
User Guide	Overview of the GENUS Car Kit functionality and proper use.

Car Kit Device

Antenna



Top View



Bottom View

Rx Port Connects Rx cable between antenna Rx port and transceiver Rx port.

Tx Port Connects Tx cable between antenna Tx port and transceiver Tx port.

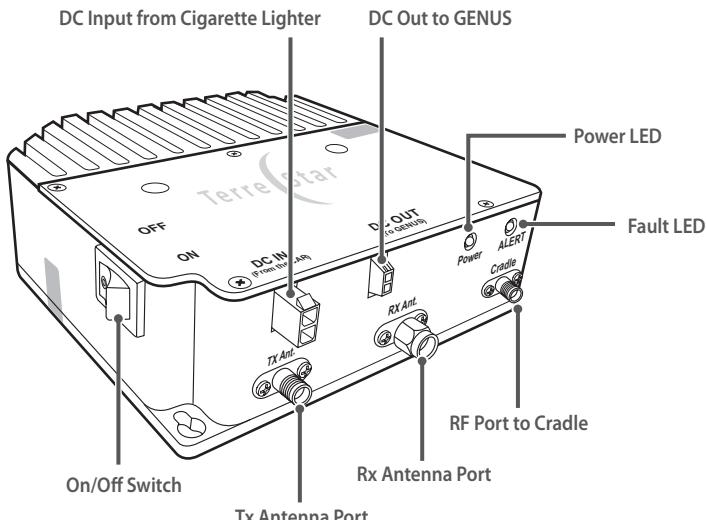
Magnet Antenna is attached via magnets on the roof of the vehicle.
Magnets are inside the antenna cover and are not visible from outside.



The GENUS Satellite Smartphone Car Kit antenna can only access the TerreStar-1 satellite and is not capable of accessing any cellular signals.

Car Kit Device

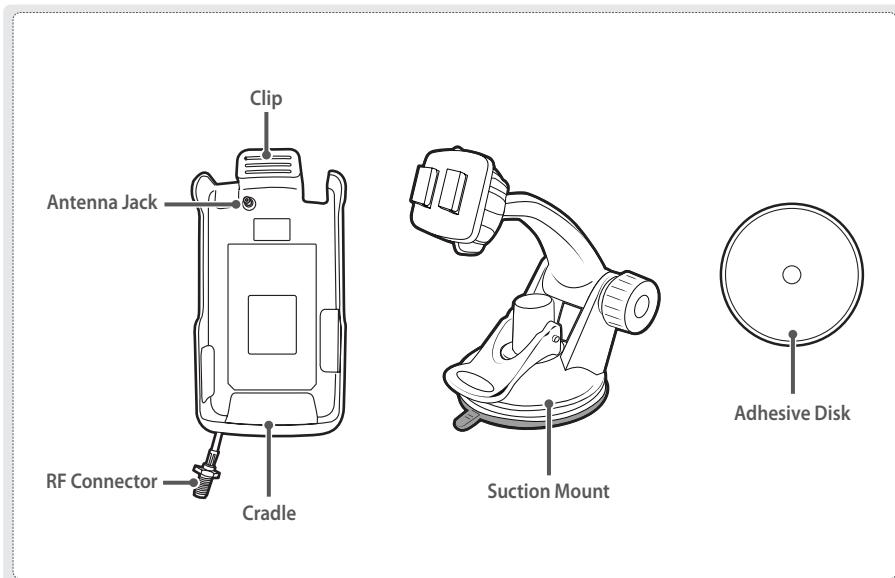
Transceiver



On/Off Switch	Powers on and off the transceiver.
DC Input	Provides power to transceiver via DC power adapter.
DC Out to GENUS	Provides power to GENUS via micro USB cable.
Tx Antenna Port	Connects antenna to transceiver Tx port.
Rx Antenna Port	Connects antenna to transceiver Rx port.
RF Port to Cradle	Connects RF cable to cradle.
Power LED	When on, green LED is illuminated.
Fault LED	When red LED is illuminated, indicates fault. See troubleshooting.

Car Kit Device

Mounting Hardware



Cradle	Holds GENUS device.
Antenna Jack	Attaches GENUS to external antenna port.
Clip	Secures GENUS device in cradle.
RF Connector	Connects cradle to transceiver via RF cable.
Suction Mount	Affixes cradle to windshield or adhesive disk.
Adhesive Disk	Enables suction mount to be adhesively mounted to dashboard if desired.

Car Kit Device

RF Cables



Rx RF Cable



Tx RF Cable



Cradle RF Cable

Rx RF Cable Receive (Rx) cable (3 m) connects transceiver to antenna.
"RX" is marked on the neck of the cable.

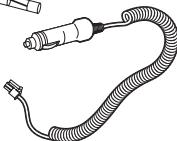
Tx RF Cable Transmit (Tx) cable (3 m) connects transceiver to antenna.
"TX" is marked on the neck of the cable.

Cradle RF Cable Cradle RF Cable (1.5 m) connects transceiver to cradle.

Car Kit Device

Power Cables

Spare fuse →



DC Power Adapter



Transceiver to GENUS Micro USB

DC Power Adapter

Supplies 12V DC power to transceiver via cigarette lighter.
1 spare fuse is enclosed.

Transceiver to GENUS Micro USB

Allows charging of GENUS from transceiver.

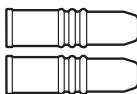


WARNING

*The TerreStar GENUS Car Kit supports 12V DC power only.
Do not use in vehicles with 24V DC power.*

Car Kit Device

Other Materials



Rubber Sleeves
(on cables)



Screws



Spanner Wrench



Alcohol Pad



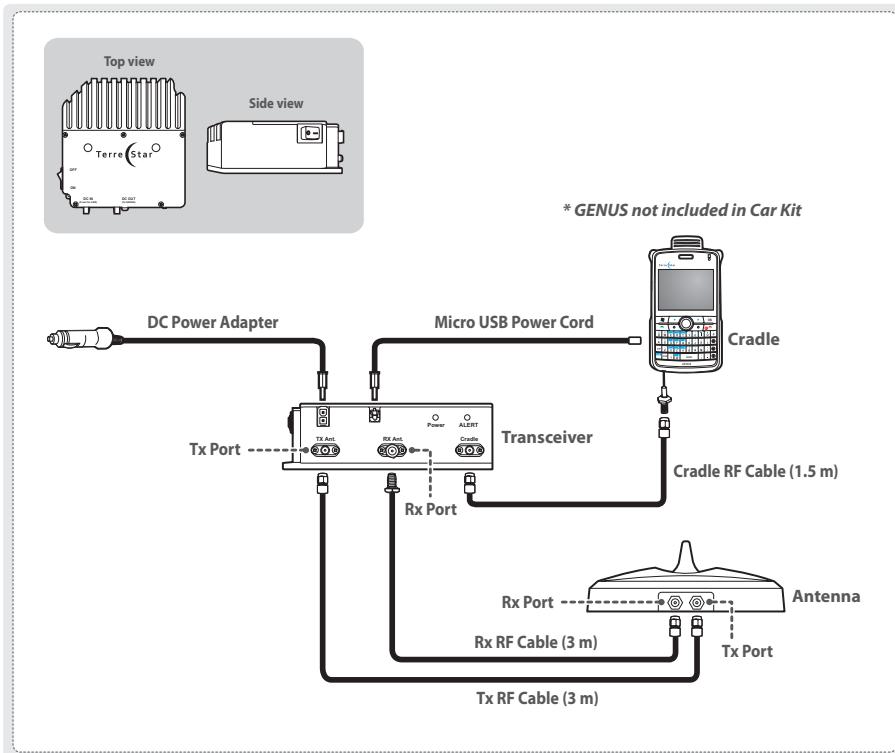
User Guide



Installation Guide & Technical Specifications

Rubber Sleeves	Preinstalled on the cables.
Screws	Can be used to secure transceiver to vehicle.
Spanner Wrench	Used to fasten the RF connectors to the antenna or transceiver.
Alcohol Pad	Included with suction mount to clean windshield prior to mounting.
User Guide	Overview of the GENUS Car Kit functionality and proper use.
Installation Guide & Technical Specifications	Contains technical specifications, step-by-step installation procedures, diagrams, troubleshooting and Q&A section.

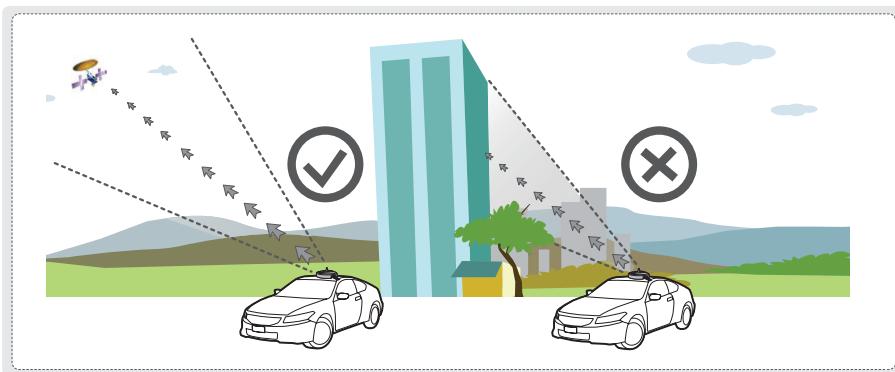
Car Kit Device Connection Diagram



Establishing a Satellite Connection

1. Ensure that the antenna on the roof of the vehicle has a clear view of the southern sky.

The antenna must be able to "see" the entire southern sky. Tall buildings or similar structures, heavily leafed trees and mountains between you and the satellite can degrade performance as they block the signal between the antenna and the satellite. Having a completely open view of the sky plays a very important role in maximizing performance.



Note

Obstructions may prevent achievement of optimal performance.

2. Before Calling

Before calling, Car Kit should be properly installed by following the installation guide.

1. Plug in the DC power adapter to vehicle cigarette lighter.
2. Start the vehicle to supply power to the Car Kit.
3. Check that DC power adapter LED light is on.
4. Turn the transceiver On/Off switch to the On position and check that the LED is green.
5. Power on GENUS and verify that GENUS device charging LED is on.
6. Select External Antenna in the GENUS Windows Mobile User Interface.
Tap  > **Settings** > **Connections** > **External Antenna**, select **Use external antenna** and press .
7. Reboot the GENUS.

3. Connecting to satellite

Step 1 : On the **Home** screen of GENUS, tap **switch to satellite** to switch to satellite.

Then tap **Yes** to confirm the switch.



Step 2 : The device displays the connection progress.
Wait for the device to display 'Connected to satellite'.



It may take a few moments to connect to the satellite. The device screen will show connection progress from Initializing Connection, Searching for Satellite, Connecting to Satellite, and Connected to Satellite.

Step 3 : You can start using satellite services when **Connected to Satellite** is displayed.



*Once a satellite call is initiated or received, select **Speaker On** on the GENUS screen to enable hands free operation.*

Support for the TerreStar GENUS is available on the TerreStar website at www.TerreStar.com/support.

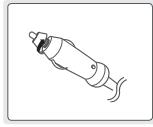
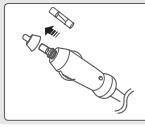
General

GENUS device displays Searching for Satellite or Satellite Not Found.	<ul style="list-style-type: none"> Check that the RF cables from cradle to transceiver and transceiver to antenna are securely fastened. Ensure that External Antenna is selected in the GENUS Windows Mobile User Interface.
Cannot make or receive satellite calls.	<ul style="list-style-type: none"> Ensure that the GENUS is attached to the satellite. Ensure that the rooftop antenna has a clear view of the southern sky.

Cradle

Cradle suction mount does not attach to the windshield.	<ul style="list-style-type: none"> Clean the suction mount and the windshield where the mount will be attached.
Cannot insert the GENUS device into the cradle	<ul style="list-style-type: none"> Check that the GENUS external antenna connection rubber cover has been rotated to top of the GENUS before inserting the GENUS device into the cradle.

Transceiver

Transceiver's green LED is not on.	<ul style="list-style-type: none"> Check that the DC power adapter is connected to the car's cigarette lighter and the red LED is illuminated. If not on, replace DC power adapter fuse. Please use the spare fuse included in the package.  
Call dropped and transceiver's red LED is on.	<ul style="list-style-type: none"> Check that the transceiver's On/Off switch is in the On position.

You can find extensive support for your device on the TerreStar website at www.TerreStar.com/support.

For complete car kit installation procedures see the Installation Guide & Technical Specifications.

Index

- Antenna 8, 9
- Alcohol Pad 14
- Adhesive Disk 11
- Clip 11
- Cradle 11
- DC Power Adapter 13
- Installation & Technical guide 14
- Magnet 9
- Micro USB 13
- Power Cables 8, 13
- RF Cables 8, 12
- Rubber Sleeve 14
- Screws 14
- Spanner Wrench 14
- Suction Mount 8, 11
- Transceiver 8, 10
- Troubleshooting 18
- User Guide 8