



set up and go!

# Garmin Mobile™ 20

*smart mount and GPS receiver with  
Bluetooth® wireless technology*



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## Contents of Your Garmin Mobile™ 20 Package

- **GPS 20SM** smart mount and GPS receiver with Bluetooth® wireless technology.
- **Suction cup mount.**
- **Adapter cables** to charge your mobile phone.
- **Posts** to hold the phone in the mount.
- **Dashboard disk** to mount the GPS 20SM on your dashboard instead of the windshield.
- **Data card** with Garmin Mobile XT navigation software and mapping data. (A data card may not be included in customized packages purchased from the Garmin Mobile Buyer's Guide.)
- **Yellow sheet** that contains your unit's serial number, registration number, and unlock code to unlock the detailed maps (if necessary).

If you ordered your GPS 20SM from the Garmin Mobile Buyer's Guide (at [www.garmin.com/mobilephones](http://www.garmin.com/mobilephones)), the contents of your package may not match the contents listed above. In this case, compare your order confirmation and the packing list to the items in this package.



## ❶ Install the Navigation Software on Your Mobile Phone

Insert the data card into your phone. When prompted to install the Garmin Mobile XT software, select **Yes**. The navigation software is installed on your phone. Answer the questions to configure Garmin Mobile XT.

**Windows Mobile® Smartphone users:** If the software installation does not start automatically, use the phone's file explorer to open the file named "Garmin Mobile XT" on the card to install Garmin Mobile XT.

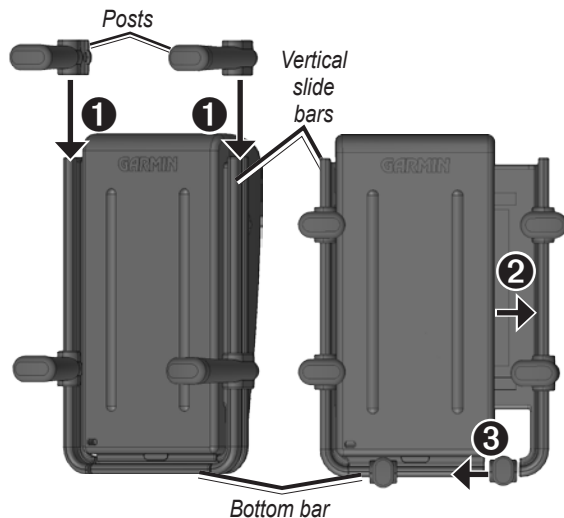
**Garmin Mobile Buyer's Guide purchasers:** If you purchased the GPS 20SM with a DVD-ROM, use the DVD-ROM to install the software on your mobile device. For more installation information, refer to the setup guide in the DVD-ROM box.

## ❷ Mount the GPS 20SM

### *Installing the Mount Posts*

From the bag labeled **Standard Mount Posts** install the four large posts on the vertical slide bars of the phone mount. Install the two small posts on the bottom bar of the phone mount.

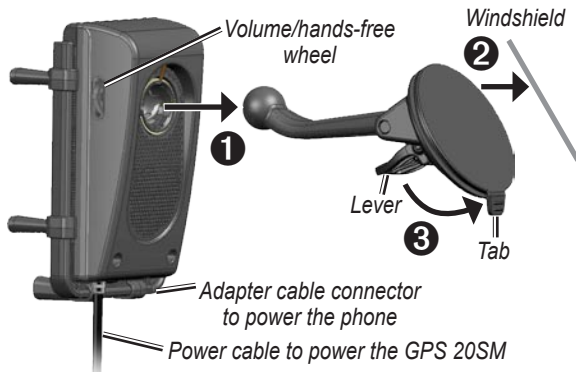
1. Slide two of the large posts onto each vertical slide bar on the phone mount. If you have a large phone, use the posts in the bag labeled **For use with Larger Mobile Phones**.
2. Pull out one of the vertical slide bars on the side of the phone mount.
3. Slide the two small posts on the bottom bar.



*Garmin Mobile™ 20 set up and go!*

## Mounting the GPS 20SM

Select a location for the GPS 20SM. To receive satellite signals, place the GPS 20SM where it has a clear view of the sky. To communicate, the GPS 20SM must be within 10 meters (about 30 feet) of your mobile phone. Clean and dry the selected area of the windshield.



1. Snap the phone mount onto the suction cup mount.
2. Place the suction cup on the windshield.
3. Flip the lever back, toward the windshield.

To remove the phone mount from the suction cup mount, turn the phone mount as far as you can to the right or left. Apply pressure in that direction until the phone mount pops off the suction cup mount.

To remove the suction cup mount, flip the lever toward you. Pull the tab on the suction cup toward you.

**Note:** If state or local laws prohibit the use of suction cup mounts, or if your phone opens vertically and the windshield has a steep angle, you may need to use the dashboard disk.

## Mounting on the Dashboard

**Important:** The permanent mounting adhesive is extremely difficult to remove after it is installed.

1. Select a location on your dashboard where the GPS 20SM will have a clear view of the sky.
2. Clean and dry the selected area of the dashboard.
3. Remove the backing from the bottom of the disk.
4. Place the disk on the dashboard.
5. Place the suction cup mount on top of the disk. Flip the lever down (toward the disk).

### ③ Mount Your Phone

1. Select the adapter cable that fits your phone. Additional adapter cables are available at <http://my.garmin.com/shop>.
2. Connect the adapter cable to the power connector on your phone and connect the other end of the adapter cable into the power connector on the bottom of the phone mount. This charges your phone while it is in the mount.
3. Gently pull the slide bars away from the mount.
4. Slide your phone into the mount.
5. Adjust the posts for the best fit.

**Note:** Some phones will not charge outside of a specific temperature range. If your phone does not charge, refer to the phone's documentation for more information.

To remove your phone from the mount, disconnect the cable, turn the phone sideways, and remove the phone.

### ④ Plug in the GPS 20SM

Plug the GPS 20SM into an available power receptacle in your vehicle; the GPS 20SM automatically turns on.

### ⑤ Pair the GPS 20SM

Bluetooth® wireless technology establishes a wireless link between your mobile phone and the GPS 20SM. See [www.garmin.com/mobilephones](http://www.garmin.com/mobilephones) to verify that your mobile phone is compatible with the GPS 20SM.

The wireless connection between your phone and the Bluetooth GPS is created automatically. To use the hands-free features of the GPS 20SM, you must “pair” the two devices to establish a wireless connection.

1. Close the Garmin Mobile XT application.
2. Make sure your mobile phone and GPS 20SM are turned on and within 10 meters of each other.
3. Enable your mobile phone's Bluetooth component. This might be in a menu called Settings, Bluetooth, Connections, or Hands-free.
4. Initiate a search for Bluetooth devices.
5. Select the **GPS 20SM** from the list of devices.
6. Enter the GPS 20SM's Bluetooth PIN (**1234**) into your mobile phone.

For more specific instructions on pairing your phone, refer to your phone's documentation.

## GPS 20SM LED Status Indicators

The blue LED indicates the GPS Bluetooth connection.  
The green LED indicates the hands-free connection.

### Blue Bluetooth GPS LED Status

- **Blue flashing:** making GPS Bluetooth connection
- **Blue steady on:** GPS Bluetooth connection made
- **Blue and green steady on:** GPS and hands-free connection made (not supported by all phones)

### Green Bluetooth Hands-free LED Status

- **Green steady on:** hands-free connection made
- **Green rapid flashing:** incoming call
- **Green flashing:** call in progress

### GPS 20SM Beep Meanings

- **High short beep:** hands-free connection made between GPS 20SM and phone
- **Low short double-beep:** hands-free connection ended between GPS 20SM and phone

## Adjusting the Volume

Press the wheel on the right side of the phone mount **UP** to raise volume or **DOWN** to lower. Press **AND HOLD UP** or **DOWN** to quickly adjust the volume.


## Using the Hands-free Wheel

Press the wheel on the right side of the phone mount **IN** to perform hands-free operations:

	Quickly Press to...	Press and Hold to...
<b>Not Connected</b>	connect to the previously paired phone	
<b>Connected</b>	use voice dial (if supported by your phone)	dial the last number dialed
<b>In a Call</b>	hang up the call	transfer the call to your phone so you can walk away from the GPS 20SM while on a call
<b>Incoming Call</b>	answer an incoming call	reject an incoming call (On most phones and plans, rejecting the call sends it to your voice mail.)


**Note:** You may have to adjust the earpiece volume on your phone to maximize the audio output of the GPS 20SM. See your phone's documentation.

## Acquiring GPS Signals

Open the Garmin Mobile XT application. Check that the blue LED on the GPS 20SM is solid blue, indicating a wireless connection. Drive your vehicle to an open area, out of parking garages, and away from tall buildings. Acquiring satellite signals may take a few minutes. The  bars in the upper-left corner of the application window indicate satellite strength. When the bars are green, your GPS 20SM has acquired satellite signals; you can find your destination and go to it.

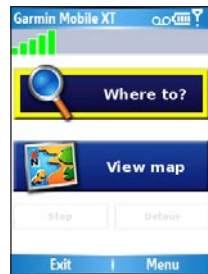
**Note:** The Garmin Mobile XT application may prompt you to enter an unlock code for maps. If so, enter the unlock code listed on the included yellow sheet.

## Navigating with Garmin Mobile XT


For complete information on using Garmin Mobile XT and troubleshooting tips, refer to the built-in Help system; select  **Help** on the main Garmin Mobile XT page. Also refer to the *Garmin Mobile XT Owner's Manual* by going to [www.garmin.com/products/garminmobile20](http://www.garmin.com/products/garminmobile20), and clicking the **Manuals** link.


**Where to**—find addresses, Points of Interest (restaurants, hotels, attractions), intersections, and a variety of other locations in your detailed map.


**View map**—view a map of your current location. The map moves as you move to constantly show your current location.



 **Exit**—close the Garmin Mobile XT application.

 **PeerPoints™**—you have a new PeerPoints message.

 **Message**—you have a new message from the Garmin Online™ server.

 **Tools**—use tools that are useful for navigation, such as Route Details, PeerPoints, and Garmin Online.

 **Settings**—adjust the settings.

 **Help**—learn more about Garmin Mobile XT.

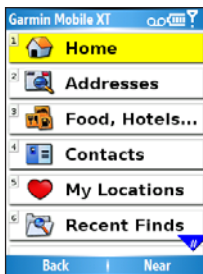
**Note:** You may have to select **Menu** to see **Tools**, **Settings**, and **Help**.



## Finding a Destination

The **Where to** menu provides several categories and sub-categories to help you find destinations. You can enter addresses, look up locations you recently found, and view locations you have saved.

1. Select **Where to > Food, Hotels**.
2. Select a category. To find a location by name, select **Spell Name**, enter all or part of the name, and then select the location you want.
3. Select a sub-category or select **All Categories**. A list of locations near your current location appears.
4. Select the location to open the location's information page.
5. Select **Go** to create a route to this location.



## Information page options

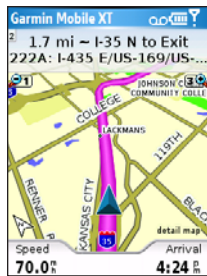
Select **Go** to create a route to this location, select **Map** to view the location on a map, or select the **Phone icon** to call the location (if available). Select **(Menu > Options)** to see more options:

- **Save to My Locations**—saves the location to My Locations, which is a collection of your favorite locations.
- **Save to Contacts**—saves the location to your phone's contact list.
- **Add as Via Point**—adds the location to your current route.
- **Send Location**—sends your location as Garmin Location message.
- **Weather**—shows the current weather condition and a five-day forecast for that location.



## Following the Route

After you find a location, select **Go** to create a route to it. The map automatically opens with your route indicated with a magenta line. The ▲ position icon shows your position on the map. Directions appear at the top of the screen. Your current speed and estimated arrival time appear at the bottom of the screen. If you are not navigating, your current speed and heading appear at the bottom of the screen.



If you leave the map and want to return, select **View map** on the main Garmin Mobile XT page. Select **Stop** to stop the active route.

**Note:** By default, traffic is avoided when routes are generated. To change this and other routing settings, select (**Menu** >) **Settings** > **Routing** > **Avoidance Setup**.

## Using Garmin Online™

Use Garmin Online to download location-relevant information such as hotel and fuel prices (USA only), live weather data, and traffic data. You can also download safety camera information (Europe only). Not all services are available in all areas. From the main Garmin Mobile XT page, select (**Menu** >) **Tools** > **Garmin Online**. Select an item to view, such as traffic, weather, hotels, and fuel prices.

Your Garmin Online account is activated automatically on most phones. Your phone must have a data connection and a data plan to access Garmin Online. Most Garmin Online data is free, but your phone's regular internet and data transfer charges apply.



By default, each time you start navigating a route, Garmin Mobile XT accesses Garmin Online to check for traffic incidents on your route. If there is a traffic incident, Garmin Mobile XT avoids the traffic when generating the route.

## Understanding PeerPoints™

The PeerPoints feature allows you to send your current location information to other people using SMS text messaging. Your phone's normal messaging fees apply.

1. From the main Garmin Mobile XT page, select **(Menu >) Tools > PeerPoints**.
2. Select **Contacts**, and then select a contact. To attach a map, select **(Menu >) Map**.
3. To send the message select **Select > Send PeerPoint > Send**. To request a PeerPoints message from this contact, select **Select > Request PeerPoint > Request**.

Garmin Mobile XT users receive the PeerPoints message and can save the location and route to it.



## Customizing Garmin Mobile XT

1. From the main Garmin Mobile XT page, select **(Menu >) Settings**.
2. Select a category to adjust those settings.
3. Select a setting you want to change, select the new option, and select **Done**.



## Customize Your Phone's Settings

Use your phone's Bluetooth settings to “authorize” the GPS 20SM to automatically make a hands-free connection with the phone when they are within 10 meters of each other. You can also set your phone to automatically answer calls when connected with a hands-free connection.

Also, set your phone's auto-off and other power management settings to be suitable for your navigation experience.

## Specifications

**Size:** 2.7" W x 4.2" H x 2.31" D  
(69.07 x 107.31 x 58.97 mm)

**Weight:** 6.5 ounces (185.7 g)

**Case:** Rugged, but not waterproof

**Temperature range:** -22°F to 158°F (-30°C to 70°C)

**Power Supply:** 12 VDC power cable

**Usage:** 15 W max. @ 13.8 VDC

**Wireless Interface:** Connects using Bluetooth wireless technology (Class 2), to a mobile phone with Windows Mobile® software, Symbian™ software, or Palm OS® software that has Bluetooth wireless technology

**Bluetooth Operating Distance:** 10 meters  
(about 30 feet)

**GPS Receiver:** High-sensitivity SiRFstarIII™  
GPS receiver; WAAS-enabled

For a complete list of specifications, see  
[www.garmin.com/products/garminmobile20](http://www.garmin.com/products/garminmobile20),  
and click the **Specifications** link.



## Product Registration

Help us better support you by completing our online registration today! Connect to our Web site at <http://my.garmin.com>.

## More Information/Contact Garmin

For complete information on using Garmin Mobile XT, refer to the built-in Help system; select (**Menu >**) **Help** on the main Garmin Mobile XT page.

Also refer to the *Garmin Mobile XT Owner's Manual* at [www.garmin.com/products/garminmobile20](http://www.garmin.com/products/garminmobile20). Click the **Manuals** link.

For frequently asked questions, see [www.garmin.com/support/faqs](http://www.garmin.com/support/faqs). Enter "Bluetooth" and click **Search**.

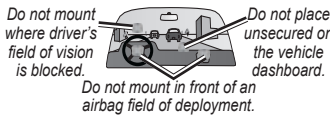
To e-mail Garmin Product Support, go to [www.garmin.com/support](http://www.garmin.com/support), and click **Product Support**.

In the USA, contact Garmin Product Support by phone at 913/397.8200 or 800/800.1020, Monday–Friday, 8 AM–5 PM Central Time. In Europe, contact Garmin (Europe) Ltd. at +44 (0) 870.8501241 (outside the UK) or at 0808.2380000 (within the UK).



## Warnings

**Failure to avoid the following potentially hazardous situations could result in an accident or collision resulting in death or serious injury.**

- When installing the unit in a vehicle, place the unit securely so it does not obstruct the driver's view of the road or interfere with vehicle operating controls, such as the steering wheel, foot pedals, or transmission levers. Do not place in front of or above any airbag. (See diagram.)  

- When navigating, carefully compare information displayed on your mobile phone to all available navigation sources, including information from street signs, visual sightings, and maps. For safety, always resolve any discrepancies or questions before continuing navigation and defer to posted road signs.
- Always operate the vehicle in a safe manner. **Do not become distracted by your mobile phone while driving, and always be fully aware of all driving conditions.** Minimize the amount of time spent viewing your mobile phone's screen while driving and use voice prompts when possible. Do not input destinations, change settings, or access any functions requiring prolonged use of your mobile phone's controls while driving. Pull over in a safe and legal manner before attempting such operations.
- The Garmin Mobile XT software is designed to provide route suggestions. It is not designed to replace the need for driver attentiveness regarding road closures or road conditions, traffic congestion, weather conditions, or other factors that may affect safety while driving.

**WARNING:** This product, its packaging, and its components contain chemicals known to the State of California to cause cancer, birth defects, or reproductive harm. This notice is provided in accordance with California's Proposition 65. See [www.garmin.com/prop65](http://www.garmin.com/prop65) for more information.

## Important Information

**MAP DATA INFORMATION:** One of the goals of Garmin is to provide customers with the most complete and accurate cartography that is available to us at a reasonable cost. We use a combination of governmental and private data sources, which we identify in product literature and copyright messages displayed to the consumer. Virtually all data sources contain some inaccurate or incomplete data. In some countries, complete and accurate map information is either not available or is prohibitively expensive.

### **NOTICE REGARDING WINDSHIELD MOUNTING; SPECIAL NOTICE TO DRIVERS IN CALIFORNIA AND MINNESOTA:**

State law prohibits drivers in California and Minnesota from using suction mounts on their windshields while operating motor vehicles. Check your state and local laws and ordinances for similar restrictions. Other Garmin dashboard or friction mounting options should be used. Garmin does not take any responsibility for any fines, penalties, or damages that may be incurred as a result of disregarding this notice or as a result of any other state or local law or ordinance relating to use of the unit. (See California Vehicle Code Section 26708(a); Minnesota Statutes 2005, Section 169.71.)

The **California Electronic Waste Recycling Act of 2003** requires the recycling of certain electronics. For more information on the applicability to this product, see [www.eecycle.org](http://www.eecycle.org).

## Declaration of Conformity

Hereby, Garmin declares that this GPS 20SM product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. To view the full Declaration of Conformity, see the Garmin Web site: [www.garmin.com/products/garminmobile20](http://www.garmin.com/products/garminmobile20). Click **Manuals**, and then select the **Declaration of Conformity**.

## FCC Compliance

This product has been tested and found to comply with Part 15 of the FCC interference limits for Class B digital devices FOR HOME OR OFFICE USE. These limits are designed to provide more reasonable protection against harmful interference in a residential installation, and are more stringent than “outdoor” requirements.

Operation of this device is subject to the following 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 equipment generates, uses, and can radiate radio frequency energy and may cause harmful interference to radio communications if not installed and used in accordance with the instructions. 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 of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.

- Connect the equipment into an outlet that is on a different circuit from the GPS unit.
  - Consult the dealer or an experienced radio/TV technician for help.
- This product does not contain any user-serviceable parts. Repairs should only be made by an authorized Garmin service center. Unauthorized repairs or modifications could result in permanent damage to the equipment, and void your warranty and your authority to operate this device under Part 15 regulations.

## FCC RF Radiation Exposure

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. Follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

## Industry Canada Compliance

Category I radiocommunication devices comply with Industry Canada Standard RSS-210. Category II radiocommunication devices comply with Industry Canada Standard RSS-310.

## Limited Warranty

This Garmin product is warranted to be free from defects in materials or workmanship for one year from the date of purchase. Within this period, Garmin will, at its sole option, repair or replace any components that fail in normal use. Such repairs or replacement will be made at no charge to the customer for parts or labor, provided that the customer shall be responsible for any transportation cost. This warranty does not cover failures due to abuse, misuse, accident, or unauthorized alteration or repairs.

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IN NO EVENT SHALL GARMIN BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT, OR CONSEQUENTIAL DAMAGES, WHETHER RESULTING FROM THE USE, MISUSE, OR INABILITY TO USE THIS PRODUCT OR FROM DEFECTS IN THE PRODUCT. Some states do not allow the exclusion of incidental or consequential damages, so the above limitations may not apply to you.

Garmin retains the exclusive right to repair or replace the unit or software or offer a full refund of the purchase price at its sole discretion. SUCH REMEDY SHALL BE YOUR SOLE AND EXCLUSIVE REMEDY FOR ANY BREACH OF WARRANTY.

To obtain warranty service, contact your local Garmin authorized dealer or call Garmin Product Support for shipping instructions and an RMA tracking number. Securely pack the unit and a copy of the original sales receipt, which is required as the proof of purchase for warranty repairs. Write the tracking number clearly on the outside of the package. Send the unit, freight charges prepaid, to any Garmin warranty service station.

**Online Auction Purchases:** Products sold through online auctions are not eligible for rebates or other special offers from Garmin. Online auction confirmations are not accepted for warranty verification. To

obtain warranty service, an original or copy of the sales receipt from the original retailer is required. Garmin will not replace missing components from any package purchased through an online auction.

**International Purchases:** A separate warranty is provided by international distributors for units purchased outside the United States. This warranty is provided by the local in-country distributor and this distributor provides local service for your unit. Distributor warranties are only valid in the area of intended distribution. Units purchased in the United States or Canada must be returned to the Garmin service center in the United Kingdom, the United States, Canada, or Taiwan for service.

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