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Index

Using Optional Fitness Accessories ........................................... 17
TT 10 Battery Replacement Instructions ..................................... 17
TT 10 Components ................................................................... 17
Removing the Old Battery ........................................................... 18
Installing the New Battery ............................................................ 18
Replacing the Collar Strap .............................................................. 18
Replacing the VHF Antenna in the Dog Collar Device ................. 18
Changing the Fuse in the Vehicle Power Cable ......................... 18
Data Field Options ................................................................... 18

Appendix ................................................................................... 17

Accessories and Replacement Parts ........................................... 17
Purchasing Accessories ............................................................... 17
Optional Maps ......................................................................... 17
ANT+ Sensors ......................................................................... 17
tempe™ .................................................................................. 17
Using Optional Fitness Accessories ........................................... 17
Tips for Pairing ANT+ Accessories with Your Garmin Device ... 17

Device Information .................................................................. 15
Viewing Device Information ....................................................... 15
Updating the Software ................................................................. 15
Device Care ............................................................................. 15
Cleaning the Device ................................................................ 15
Cleaning the Touchscreen .......................................................... 15
Specifications .......................................................................... 15
Alpha 100 Handheld Device Specifications ................................ 15
TT 10 Dog Collar Device Specifications ...................................... 15
Battery Information .................................................................. 15
Long-Term Storage .................................................................. 15
Maximizing the Battery Life ...................................................... 15
Adjusting the Backlight Brightness ........................................... 15
Adjusting the Backlight Timeout .............................................. 16
Changing the Dog Collar Device Update Rate ......................... 16
Changing Your Handheld Update Rate .................................... 16
Turning On the Handheld Battery Save Mode ......................... 16
Adjusting the Map Drawing Speed .......................................... 16
Turning Off the Transmitter ...................................................... 16

Saving Energy While Charging the Device ................................. 16
Data Management .................................................................... 16
File Types .............................................................................. 16
Installing a Memory Card .......................................................... 16
Connecting the Handheld Device to a Computer ..................... 16
Connecting the Collar to a Computer ........................................ 17
Transferring Dog Tracks to BaseCamp ..................................... 17
Deleting Files .......................................................................... 17
Disconnecting the USB Cable ................................................... 17

Appendix ................................................................................... 17

Accessories and Replacement Parts ........................................... 17
Purchasing Accessories ............................................................... 17
Optional Maps ......................................................................... 17
ANT+ Sensors ......................................................................... 17
tempe™ .................................................................................. 17
Using Optional Fitness Accessories ........................................... 17
Tips for Pairing ANT+ Accessories with Your Garmin Device ... 17
Setting Up the Alpha System

Setting Up the Alpha System

Avoid using a high-powered radio (greater than 5 watts) in close proximity to the device. It may cause irreversible damage to the device.

Before you can use the Alpha handheld device and the TT dog collar device, you must set up the devices.

1. Install the battery in the handheld device (page 1).
2. Charge the handheld device (page 2).
3. Charge the collar (page 2).
4. Turn on the devices (page 2).
5. If necessary, add the collar to the handheld device (page 3).
6. Acquire satellite signals (page 2).
7. Attach the collar (page 4).

Device Overviews

Alpha 100 Handheld Device

- GPS antenna
- VHF radio antenna
- Training keys
- Power key
- Mounting spine
- microSD™ memory card slot (under battery)
- Battery cover D-ring
- Mini-USB port (under weather cap)

TT 10 Dog Collar Device

- VHF antenna
- GPS antenna
- Power key
- Contact points
- Status LED and flashing beacon LEDs

Getting More Information

You can find more information about this product on the Garmin® website.

- Go to www.garmin.com/alpha.
- Go to www.garmin.com/outdoor.
- Go to www.garmin.com/learningcenter.
- Go to http://buy.garmin.com, or contact your Garmin dealer for information about optional accessories and replacement parts.

Registering Your Device

Help us better support you by completing our online registration today.

- Keep the original sales receipt, or a photocopy, in a safe place.

Installing the Battery in the Handheld Device

WARNING

This product contains a lithium-ion battery. To prevent the possibility of personal injury or product damage caused by battery exposure to extreme heat, store the device out of direct sunlight.

1. Turn the D-ring counter-clockwise, and pull up to remove the cover.
2. Locate the metal contacts on the end of the lithium-ion battery.
3. Insert the battery into the compartment, contacts first.
Press the battery into place.
Replace the battery cover, and turn the D-ring clockwise.

Charging the Handheld Device

NOTICE
To prevent corrosion, thoroughly dry the mini-USB port, the weather cap, and the surrounding area before charging or connecting to a computer.

You should fully charge the battery before you use the device for the first time. Charging a fully depleted battery takes about 2 hours.

NOTE: The device will not charge when it is outside the temperature range of 32° to 104°F (0° to 40°C).

1 Lift the weather cap ①.
2 Plug the small end of the power cable into the mini-USB port ② on the device.
3 Plug the other end of the power cable into an appropriate power source.

Charging the Dog Collar Device

NOTICE
To prevent corrosion, thoroughly dry the contacts on the collar and the surrounding area before connecting the charging clip.

Before you put the collar on the dog, remove the charging clip. If you do not remove the clip, it may become detached from the collar and become lost.

You should fully charge the battery before you use the device for the first time. Charging a fully depleted battery takes about two hours. The device will not charge when outside the temperature range of 32° to 104°F (0° to 40°C).

1 Snap the charging clip ① onto the device.
2 Plug the small end of the power cable into the mini-USB port ② on the charging clip.
3 Plug the other end of the power cable into a power source.

The status LED is solid red when the collar is charging.

4 After the status LED turns solid green, remove the charging clip from the collar.

Turning On the Devices

• On the handheld device, select the Power key.
• On the collar, select the Power key.

The collar beeps and the status LED blinks green when the collar is turned on.

Turning Off the Devices

• On the handheld device, hold the Power key.
• On the collar, hold the Power key until the status LED turns red, about 3 seconds, and then release the Power key.

Acquiring Satellite Signals

Before you put the collar on your dog, both the collar and handheld device must acquire satellite signals. Acquiring satellites can take a few minutes.

1 Go outdoors to an open area.
2 Turn on both devices (page 2).
3 Select the Power key.

The GPS signal strength of the handheld device is listed in the upper-right corner.

When the collar has acquired satellite signals, the status LED flashes a double-blink or triple-blink in green.

Using the Touchscreen

• Select ▲ to open the application drawer.
• Select ▼ to open a menu.
• Select X to close the page and return to the previous page.
• Select ▼ to return to the previous page.
• Select ✔ to save changes and close the page.
• Select ‼ and ‾ to scroll.
• Select E to search by name.

Locking the Touchscreen

You can lock the screen to prevent inadvertent screen touches.

1 Select the Power key.
2 Select ．

Unlocking the Touchscreen

1 Select the Power key.
2 Select ．
Dog Collar Device Setup

Methods to Add a Dog to a Handheld Device
If you purchased the collar and the handheld device separately, you must add the collar to the handheld device. You can add up to 20 collars to one handheld device.

There are three different methods to add (or pair) the collar to the handheld device: using MURS/VHF, using the track/train code, or using ANT+™.

Adding over MURS/VHF: Allows you to pair after you have placed the collar into pairing mode by pressing the Power key.
This method is helpful when you are adding a new accessory collar to the system prior to leaving for the hunt. See page 3.

Entering the track and train codes: Allows you to add a dog that you do not own and that is not in the area. The dog's owner must determine if people can only track the dog or can track and train the dog. This method requires the dog's owner to find and communicate the codes to the person adding the dog.
This method is helpful when you would like to add a dog during a hunt, but you are not near the dog. For example, you are adding another member of your hunting party's dog to your handheld device, but you do not own the dog. See page 3.

Sharing wirelessly over ANT+: Allows you to add a dog that you do not own and that is not in the area. The dog's owner must determine if people can only track the dog or can track and train the dog. This method does not require the dog's owner to find and communicate the codes to the person adding the dog. This method also adds dog information, such as the dog's name, communication settings, and initial position, from the sending handheld device to your device. The two handheld devices must be within range (10 ft.) to share data wirelessly.
This method is helpful when you would like to add a dog during a hunt, but you are not near the dog. For example, the dogs have already been let loose, and you are near the dog owner, who can share the dog wirelessly. See page 3.

Adding a Dog Over MURS/VHF
1 If the collar is on, turn off the collar (page 2).
2 Hold the Power key until the collar emits two series of beeps, about 2 seconds, and then release the Power key.
The status LED begins blinking rapidly in green. The collar is now ready to be linked, or paired, with a handheld device.
3 On the handheld device, select Dog List > Add Dog.
4 Bring the collar near the handheld device, and select Yes.
5 Enter the name of the dog, and select ✓ > OK.

Adding a Dog Using the Track and Train Codes
Before you can add a dog using the track and train codes, you must have the dog owner find the track and train codes (page 3) and tell them to you.

If you are not near the dog you want to add or you cannot put the collar into pairing mode, you can add the dog using the track and train codes.
1 Select Add Dog.
2 When asked if you are near the collar, select No.
3 When asked if you know the track and train codes, select Yes.
4 Enter the track or train code for the collar, and select ✓.
The dog’s track code allows you to track the dog. The dog’s train code allows you to both track and train the dog.
5 Enter the name of the dog, and select ✓ > OK.

Finding the Dog ID and Track and Train Codes
You can share a dog’s track code so another person can view your dog’s location with the map and dog tracking compass. Also, you can share a dog’s train code so another person can track your dog and train (correct) your dog.
1 Select Dog List.
2 Select a dog.
3 Select Show Info.

Sharing a Dog Wirelessly
Before you can share data wirelessly over ANT+, you must bring your Alpha handheld device within 10 ft. (3 m) of the other handheld device.
1 Select Dog List.
2 Select the dog to share.
3 Select Share Wirelessly.
4 Select an option:
   • To allow the other person only to track your dog's location with the map and dog tracking compass, select Track Only.
   • To allow the other person to track your dog and correct your dog's behavior, select Track and Train.
5 On the other handheld device, select Dog List > ☑ > Receive Wirelessly.

Editing Dog Information

Resetting a Dog’s Statistics and Track
You might want to clear the dog statistics and track before a new hunt.
1 Select Dog List.
2 Select a dog.
3 Select Show Info > Reset > Yes.

Changing the Length of the Dog’s Track
You can adjust the length of the dog’s tracks shown on the map. Showing less tracks on the map can help to declutter the map view. Changing the length of the track shown on the map does not affect the tracks stored in the internal memory.
1 Select Setup > Dogs > Dog Track On Map.
2 Select an option to show more or less of the tracks on the map.

Changing the Dog Name
1 Select Dog List.
2 Select a dog.
3 Select Show Info.
4 Select the dog’s name.
5 Enter the name, and select ✓ > OK.

Changing the Color of the Dog’s Track
You can change the track color of the dog. It is helpful to have the track color match the color of the collar strap, if possible.
1 Select Dog List.
2 Select a dog.
3 Select Show Info.
4 Select the colored square next to the dog’s name.
5 Select a color.

Changing the Dog Type
Before you can change the dog type, the collar must be turned on and within range of the handheld device.
1 Select Dog List.
2 Select a dog.
3 Select Show Info > ☰ > Change Dog Type.
4 Select a dog type.

Changing the Dog ID
Before you can change the dog ID, the collar must be turned on and within range of the handheld device.
If you are experiencing interference from other collars or handheld devices in the area, you might need to change the ID for the dog.
1 Select Dog List.
2 Select a dog.
3 Select Show Info.
4 Select ☰ > Change ID.
5 Select an available ID.

If another handheld device is tracking this dog, for best results, remove the dog from the device, and use the track and train codes (page 3) or share wirelessly over ANT+ (page 3) to add the dog again.

Setting Dog Alerts
You can adjust how the handheld device alerts you to certain actions of the dog.
1 Select Setup > Dogs > Dog Alerts.
2 Select an alert.
3 Select the handheld device action for the specific alert.
4 Repeat steps 2 and 3 as needed.

Removing a Dog
1 Select Dog List.
2 Select a dog.
3 Select Remove.

Attaching the Collar on Your Dog

⚠️ CAUTION
To prevent irritation from the contact points, remove the collar for at least 8 hours out of every 24-hour period.

NOTICE
Remove the charging clip before putting the collar on the dog. If you do not remove the clip, it may become detached from the collar and become lost.

Before you put the collar on the dog, pair the handheld device and collar (page 3), and acquire satellite signals (page 2).
1 Select an option:
   • If you are training your dog with the collar, select and install the appropriate contact points (page 6).
   • If you are not training your dog with the collar, install the cap over the contact point locations (page 6).
2 Place the collar in the middle of the dog's neck, directly behind the dog's ears.
3 Position the collar with the VHF whip antenna pointing up, the GPS antenna facing up, and the LEDs facing forward.
   When using the contact points, they can be positioned anywhere along the dog's neck. The best location for the contact points is in the front of the neck.
4 Tighten the strap so that it is snug around the dog's neck.

5 If the strap is too long, cut off the excess, leaving at least 3 inches to spare.

Communication with the Collar
If the collar and handheld device came in the same packaging, they were paired at the factory. If you are using a collar or handheld device that you purchased separately, add the collar to the handheld device to establish a communication link between the collar and handheld device (page 3).
The collar and handheld device must be within range to communicate with each other. The MURS/VHF radio communication range is up to 9 miles.
The collar and handheld device use radio signals to communicate. Objects in the path of radio signals degrade the quality of the signals. Keeping an unobstructed line of sight between the collar and handheld device produces the best communication signal. Obstructed radio waves result in a poor signal. To achieve the best line-of-sight conditions, move to the highest elevation point in your area (for example, on the top of a hill).

Dog Tracking
The Alpha system allows you to track your dog, up to 9 miles away, using the dog tracking compass or map. The map displays your location and your dog's location and tracks. The pointer acts like a compass, pointing in the direction of the dog’s current location.

One Alpha handheld device can track up to 20 devices (TT dog collar devices and Alpha handheld devices).

NOTE: Both the collar and the handheld device must have acquired satellites before you can track the dog on the handheld device.
Tracking Your Dog on the Map
Before you can track a dog or contact on the map, you must add them to the handheld device (page 3 and page 8). You can view the dog's location and other contacts' locations on the map.

1. Select \( \mathbb{E} \).

2. If necessary select \( \mathbb{E} \) and \( \mathbb{E} \) to zoom in and out of the map.

TIP: If necessary, select \( \mathbb{E} \) to track the dog using the dog tracking compass (page 5).

Tracking and Training Multiple Dogs
You can enable the device to display one dog at a time. You can ensure that the dog being trained is the same dog being viewed on the compass. With this feature enabled, only one dog at a time appears on the compass, and the dog viewed on the compass is the same dog currently in training mode.

1. Select \( \mathbb{E} > \mathbb{E} > \text{List Sync On} \).

2. Select \( \mathbb{E} \) and \( \mathbb{E} \) to cycle through dogs.

Dog Status Icons

<table>
<thead>
<tr>
<th>Icon</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>🐶</td>
<td>Sitting</td>
</tr>
<tr>
<td>🐶</td>
<td>Running</td>
</tr>
<tr>
<td>🐶</td>
<td>On point</td>
</tr>
<tr>
<td>🐊</td>
<td>Treed</td>
</tr>
<tr>
<td>🤔</td>
<td>Unknown*</td>
</tr>
</tbody>
</table>

*The unknown status icon indicates that the collar has not acquired a satellite signal and that the handheld device cannot determine the location of the dog.

Dog Tracking Compass
To open the dog tracking compass, select \( \mathbb{E} \).

You can use the dog tracking compass to view the direction and distance to your dog. The dog tracking compass also shows the dog's status, such as running or on point (page 5). The color of the pointer corresponds to the color of the dog track.

The dog tracking compass is most accurate when the dog is more than 30 ft. (9.1 m) away. When the dog is less than 30 ft. (9.1 m) away, "Near" appears.

Navigating to Your Dog

1. Select Dog List.
2. Select the dog.
3. Select Show Info > Go.

The map opens.
4. Follow the magenta line to the dog.
5. If necessary, select \( \mathbb{E} \) to track the dog using the dog tracking compass (page 5).

Tracking with BaseCamp™ BaseStation
Before you can track your dogs and contacts using BaseCamp, you must download BaseCamp to your computer (www.garmin.com/basecamp).

The BaseStation feature of BaseCamp allows you to track your dogs and contacts in real-time on a computer. For more information on using BaseCamp, see the help file in the application.

1. Select Setup > System > BaseCamp BaseStation > Prompted.
2. Open BaseCamp.
3. Follow the on-screen instructions.

Pausing Dog Tracking
You can pause the tracking of a single dog during a hunt. This can be helpful if the dog is taking a break.

1. Select Dog List.
2. Select a dog.
3. Select Show Info > \( \mathbb{E} \) > Stop Tracking.

Pausing All Dog Tracking
If you are moving the dogs during a hunt and you do not want to record the transportation of the dogs, you can pause the tracking of all of the dogs.

1. Select \( \mathbb{E} \).
2. Select \( \mathbb{E} \) > Pause All Tracking.

Location Alerts
Location alerts notify you when your dogs or contacts enter or exit a particular location. You can create a custom geofence or use a radius around your current location.

A geofence is an invisible fence around an area and is created using points on the map. The virtual boundaries of a geofence are accurate up to approximately 10 ft. (3 m). Geofences perform optimally when sized to cover an area encompassing an average sized backyard (approximately ¼ acre).

Setting a Geofence Alert
You can set up an invisible fence around an area and receive an alert when a dog or contact enters and exits that area.

1. Select Setup > Location Alerts > Add Alert > Geofence.
2. Select a point on the map, and select Use.
3. Repeat step 2 to define a geofence with up to 10 points.
4. Select Done.

Setting a Radius Alert
You can receive an alert when a dog or contact gets within or outside of a certain distance away from you.

Dog Tracking
Removing the Contact Points

3 points are tight against the neck (setting, with momentary (C) stimulation, MED, or HI).

Setting Up the Training Keys for One Intensity Level

Before you can assign the training keys to a dog, you must add a dog to the handheld device (page 3).

You can change the mode of the training keys to customize each key for a specific stimulation intensity level and for each dog. This mode is most useful when training multiple dogs.

Customizing the Training Keys

When training only one dog, it might be more useful to set only the intensity level (page 6).

Basic Training Commands

You should begin training your dog with a few basic commands without using the Alpha training system to correct the dog. You should train the three basic commands in the following order: "heel," "sit," and "here."

During initial training, you should put the dog collar device on the dog, but the device should be turned off. This allows the dog to get used to the device before you start using it to correct the dog. This also helps to prevent "collar-wise" behavior.

Initially, you should keep the training sessions short and only train one command during a session. This way, the dog is less likely to become confused and training should progress more quickly. Pay close attention while training the dog, so you can begin to learn when to go faster or slower, and when to take a break.

Dog Training

You should research and investigate the training methods best suited for you, your dog, and your needs. This manual provides some basic guidelines for training, but each dog has unique training needs.

When used properly, the Alpha training system is a very effective training tool to aid your dog in reaching its full potential. The use of the training system should be part of an overall training program.

Begin training your dog on a leash, without the Alpha training system. You should train your dog how to heel, sit, and come to you. After the dog understands these three basic commands, you can begin training with the dog collar device and the leash. Finally, when the dog consistently obeys commands using the leash and collar, you may be able to remove the leash to train with only the dog collar device.

Selecting and Installing the Contact Points

For best results, select the correct contact points based on your dog's coat.

Removing the Contact Points

When you are not training the dog using the training keys, remove the contact points.

Setting Up the Training Keys for One Intensity Level

Before you can assign the training keys to a dog, you must add the dog to the handheld device (page 3).

By default, the training keys are set to the lowest stimulation setting, with momentary (M), continuous (C), and tone (T) for each key. This mode is most useful when training only one dog. When training multiple dogs, it may be helpful to customize a training key for each dog and for each intensity level (page 6).

Editing Location Alerts

1 Select Setup > Location Alerts.
2 Select an alert.
3 Select an option:
   • Select Disable to turn off notifications for this alert.
   • Select Set Alert Type to set the way the device notifies you for this alert.
   • Select Set Alert Mode to set the notification to sound on exit, entrance, or both.
   • Select Delete to remove the alert.

1 Select Setup > Location Alerts > Add Alert > Radius.
2 Select the unit of measurement.
3 Enter the radius distance, and select ✔.

1 Select Setup > Location Alerts.
2 Select the area at the top of the screen directly below the keys.
3 Select the intensity level for the keys.
4 If you are using traditional stimulation mode, select LOW, MED, or HI.
5 Select ✔.

In this mode, the left key provides momentary simulation. The center key provides continuous stimulations. The right key provides a tone.

In this mode, the left key provides momentary simulation. The center key provides continuous stimulations. The right key provides a tone.
With plenty of repetition, consistency, patience, and a lot of praise, the dog should begin to obey these commands after several lessons. Each dog learns at a different rate, and some dogs may take longer to learn these commands. After the dog demonstrates a basic understanding of these commands while on a leash, training with collar stimulations can be introduced, while keeping the dog on the leash.

Preventing Collar-Wise Behavior
If the Alpha training system is not used properly as part of your overall training program, the dog may exhibit "collar-wise" behavior. This occurs when the dog obeys commands while wearing the dog collar device, but does not obey commands when the device is removed. You should follow these tips to prevent this behavior.

- Begin training the dog without using the Alpha training system to correct the dog (page 6).
- Turn off the dog collar device and put it on the dog during initial training.
  This allows the dog to get used to the device before you start using it to correct the dog.
- Turn off the dog collar device and put it on the dog outside of your training sessions.
  This allows the dog to get used to the device and helps to prevent the dog from associating the presence of the device with training or obedience.
- Reward the dog with praise whenever the dog obeys a command.

Training to Heel
Before you begin training, put a leash on the dog, and select an area with minimal distractions.

The first command that you will teach the dog is the "heel" command.

1. With the dog at your side on a leash, command the dog to "heel," and begin walking forward while gently pulling on the leash.
2. If the dog gets in front of you, repeat the command "heel," and move in another direction or pull back on the leash.
3. If the dog starts to lag behind you, lightly tug on the leash to bring the dog back to your side.

Reward the dog with praise whenever the dog obeys the command.

Training to Sit and Stay
Before you begin training, put a leash on the dog, and select an area with minimal distractions. Before you train to sit and stay, you should first train to heel.

The actual command is "sit," and the "stay" command is implied. When you command the dog to sit, the dog should stay until you indicate otherwise.

1. Begin training this command walking the dog on a leash in the heel position.
2. Stop walking, pull up on the leash, and command the dog to "sit."
3. Maintain steady pressure on the leash until the dog obeys the command.
4. If the dog does not obey and seems confused, gently push down on the dog's back above the flank, to make the dog sit.

Reward the dog with praise when the dog sits and stays.

Training to Come Here
Before you begin training, put a leash on the dog, and select an area with minimal distractions. Before you begin training the dog to come "here," you should first train the dog to "heel" and "sit."

Also, you may need to use a long leash to effectively train "here."

Teaching your dog to come here is the most important command. The "here" command allows you to maintain control of your dog and can be used to call your dog away from a potentially dangerous situation. This command must be taught properly.

1. With the dog in a sitting position, move away to the end of the leash.
2. Command the dog to come "here" while gently tugging on the leash.
3. Reward the dog with praise as soon as the dog begins to move toward you.
4. If the dog begins to veer away, gently tug on the leash, and repeat the command to come "here."

The dog might resist this command. With repetition and patience, the dog will learn to obey the command.

Collar Training
Begin training your dog on a leash, without using the Alpha training system. After the dog shows a grasp of the commands "heel," "sit," and "here," you can begin training with the collar and the leash.

During the initial stage of collar introduction, the dog learns that collar stimulation means the same thing as a tug on the leash. At first, the dog may be alarmed by the electronic stimulation. The key is to be patient and consistent and not to start off at too high of an intensity. Be fair and consistent, and use repetition and praise when using the collar as a training tool.

If the dog does not respond to the stimulation level you have selected (page 8), increase the stimulation one level at a time until you achieve the appropriate response. After you achieve the desired response, you can lower the stimulation level as long as the dog maintains consistency.

As the dog becomes more proficient with the commands, you can begin to introduce distractions, such as rolling a ball in front of the dog or walking him in the presence of others.

After the dog begins to respond consistently to the command during collar training, you can remove the leash and train with just the collar.

NOTE: You should train without a leash only when it is appropriate for your environment and your dog's temperament. You should follow all laws and regulations for your area regarding the use of dog leashes.

Eventually in most training situations, your commands will not require stimulation to be given with the command. You should only use stimulation when you need to repeat a command because the dog did not obey the first one.

As the dog becomes better trained, you can decrease the use of collar training. Continue to have the dog wear the collar until you feel certain that it is no longer needed to reinforce known commands. Abandoning the collar too early can lead to problems in the future.

Training Intensities and Methods
The Alpha system provides two methods of training stimulation intensity levels. The default intensity method, linear, contains 18 stimulation levels. The lowest level of stimulation is 1, and the levels increase sequentially to 18.

The second method, traditional, contains 6 numbered levels that each have a high (HI), medium (MED), and low (LOW) setting. Level 1 on LOW produces a very slight stimulation that is hardly perceived. Level 6 on HI produces a very strong stimulation, equivalent to level 18 in the linear method. You should find the correct training intensity level and use LOW, MED, or HI levels as needed.

The Alpha system uses momentary (M) and continuous (C) types of stimulations. Momentary stimulation applies a brief stimulation when you press the key, regardless of how long the key is held. Continuous stimulation applies stimulation to the
dog as long as the key is held, for a maximum of 8 seconds. Your stimulations should typically be far shorter than 8 seconds. Continuous stimulation can be useful when first starting training with your dog.

You can also train using a tone (T). When you select T for a key, the key press activates an audible tone instead of stimulation. Using the tone can be a helpful training tool.

NOTE: The tone volume cannot be changed. Changing the intensity of the tone does not adjust the volume.

Choosing the Correct Intensity Level
1. Set the training keys to the lowest level (page 6).
2. Press a training key.
3. Observe the dog for a reaction, such as a head shake, neck movement, or just a change in expression.
   Sometimes dogs will vocalize due to the surprise of the electrical stimulation. If the dog vocalizes more than once, the intensity level is too high for beginning training.
4. If there is no reaction, increase the intensity level by one level until the dog has a slight but recognizable reaction to the stimulation.

The intensity level that causes a slight but recognizable reaction is your dog’s baseline level for beginning collar training. You do not need to, and should not, apply this intensity selection test again.

After you begin training, the dog’s performance guides your intensity selection. As the dog advances in training, you may need to change the level depending upon the training situation.

Training the Dog to Heel and Sit with the Collar
Before you begin training your dog using the collar, your dog must show a grasp of the "heel," "sit," and "come" commands while on the leash, you must put on the collar (page 4), and you must find the correct intensity level (page 8).

When beginning collar training, start with the "heel" and "sit" commands.
1. With the dog at your side on a leash, pull up on the leash, and command the dog to "sit."
2. If the dog does not sit immediately, press a training key briefly, and repeat the command to "sit."
3. Reward the dog with praise when the dog obeys the command.
   After the dog begins obeying the "sit" command without collar stimulation, you should move on to the "heel" command.
4. With the dog at your side on a leash and with the collar on, command "heel" and begin walking forward while gently pulling on the leash.
5. If the dog does not heel, press a training key briefly, repeat the command to "heel," and move in another direction or pull back on the leash.
6. Reward the dog with praise when the dog obeys the command.

Training the Dog to Come Here with the Collar
Before you begin training your dog to come "here" using the collar, your dog must have a strong grasp of the "heel" and "sit" commands using the collar, you must put on the collar (page 4), and you must find the correct intensity level (page 8). Also, you may need to use a long leash to effectively train "here."
1. With the dog in a sitting position, move away to the end of the leash.
2. Command the dog to come "here."
3. If the dog does not move immediately toward you, press a training key briefly, gently tug on the leash, and repeat the command to come "here."
4. Reward the dog with praise as soon as the dog begins to move toward you.
5. If the dog begins to veer away, press a training key briefly, and repeat the command to come "here."

Contact Tracking
You can track other hunters so you know where they are at all times. You can also send messages to your contacts. One Alpha handheld device can track up to 20 devices (TT dog collar devices and Alpha handheld devices).

Adding a Contact Over MURS/VHF
Before you can add a contact over MURS/VHF, you should be near the contact, for best results.

You can add fellow hunters to your handheld device so you can track them on the map (page 8) and send messages to them (page 8).
1. On your handheld device, select \(\langle\) > Contacts > Add.
2. Bring the two handheld devices near each other, and select Yes on your handheld device.
3. On the contact's handheld device, select \(\langle\) > Contacts > Pair.
4. On your handheld device, enter the name of the contact, and select Yes > OK.

The contact is added to your handheld device.
If you would like to be added to the hunter's handheld device, repeat this procedure using the hunter's handheld device.

Adding a Contact Using the ID
Before you can add a hunter using the contact ID, you must have the hunter find the contact ID (page 8) and send it to you.
If you are not nearby the hunter you want to add, you can add the hunter using the contact ID.
1. On your handheld device, select \(\langle\) > Contacts > Add.
2. When asked if you are near the other handheld device, select No.
3. When asked if you know the ID, select Yes.
4. Select the correct ID for the contact you are adding.
5. Enter the name of the contact, and select Yes > OK.

The contact is added to your handheld device.
If you would like to be added to another hunter's handheld device using your contact ID, repeat this procedure using the hunter's handheld device.

Sending a Message to Your Contacts
You can send and receive automated messages. There are 18 messages choose from, such as "Help!" and "I'm Coming."
1. Select \(\langle\) > Contacts > Message.
2. Select a message.

The message is sent to your contacts with your name before the message. Anyone tracking your handheld device receives the message.

Tracking a Contact
You can keep track of contacts' locations using the map.
Select \(\langle\).

Finding Your Contact ID
Select Setup > Contacts > Pairing Setup.
The contact ID for your handheld device is listed under ID.
Changing Your Contact ID
If you are experiencing interference from other collars or handheld devices in the area, you might need to change the contact ID for your handheld device.
1. Select Setup > Contacts > Pairing Setup > ID.
2. Select a contact ID that is not yet assigned to another device in the area.
   If you select a contact ID that interferes with devices in the area, you should select a new contact ID.
Each time a contact changes their contact ID, you must update the contact ID in your handheld device (page 9).

Updating a Contact ID
If a contact has changed their contact ID (page 9), you can quickly update the contact ID in your handheld device.
1. Select Contacts.
2. Select the contact.
3. Select Show Info.
4. Select Change ID.
5. Select the contact ID that matches the contact's new contact ID.

Hunting with the Alpha System
You can perform many tasks that are very helpful when you are hunting with the Alpha system.
- Mark your truck's location (page 9).
- Track your dogs (page 5).
- Track your fellow hunters (page 8).
- Mark the location of a covey (page 9).
- Send messages to your fellow hunters (page 8).
- Turn on the collar light (page 9).
- Put the collar into rescue mode to save battery power (page 9).
- Pause tracking while you move the dogs (page 5).

Marking Your Current Location
You can mark the location of the truck, so you can navigate back to your truck after the hunt.
2. Follow the on-screen instructions.

Marking a Covey
You can mark a covey location and enter the estimated number of birds flushed and the number of birds taken.
1. Select Mark.
2. Select Covey.
3. Enter the number of birds flushed.
4. Enter the number of birds taken.
5. Select OK.

Turning On the Collar Light
You can turn on the LEDs on the collar at night to help locate a dog or to warn drivers if a dog wanders near a road. The light is visible for up to 100 yards.
1. Select Dog List.
2. Select a dog.
3. Select Show Info.
4. Select Adjust Collar Light.
5. Select Continuous, Blink Slow, or Blink Fast.

TIP: Select different light setting for each dog to help you identify the dogs in the field.

Turning On Rescue Mode
You can turn on rescue mode to conserve battery power at the end of a long hunt or if your dog might get out of range.
1. Select Dog List.
2. Select a dog.
3. Select Show Info > Rescue Mode.
After you have turned on rescue mode, it stays on until you turn it off.
When the collar battery power falls below 25%, the collar data updates only once every 2 minutes.

Waypoints, Routes, and Tracks

Waypoints
Waypoints are locations you record and store in the device.

Marking Your Current Location
1. Select Mark.
2. Select an option:
   - Select New.
   - Select a default location name, such as Truck or Camp.
3. Select Save.

Marking a Waypoint Using the Map
1. Select Map.
2. Select the location on the map.
3. Select the information bar along the top of the screen.
4. Select > OK.

Editing a Waypoint
Before you can edit a waypoint, you must create a waypoint.
1. Select Waypoint Manager.
2. Select a waypoint.
3. Select an item to edit, such as the name.
4. Enter the new information.
5. Select .

Repositioning a Waypoint to Your Current Location
You can change the position of a waypoint. For example, if you move your vehicle, you can change the location to your current position.
1. Select Waypoint Manager.
2. Select a waypoint.
3. Select Reposition Here.
The waypoint location changes to your current location.

Moving a Waypoint on the Map
1. Select Waypoint Manager.
2. Select a waypoint.
4. Select the new location on the map.
5. Select Move.

Increasing the Accuracy of a Waypoint Location
You can refine a waypoint location for more accuracy. When averaging, the device takes several readings at the same location and uses the average value to provide more accuracy.
1. Select Waypoint Manager.
2. Select a waypoint.
3 Select א > Average Location.
4 Move to the waypoint location.
5 Select Start.
6 Follow the on-screen instructions.
7 When the confidence status bar reaches 100%, select Save.
For best results, collect 4 to 8 samples for the waypoint, waiting at least 90 minutes between samples.

**Projecting a Waypoint**
You can create a new location by projecting the distance and bearing from a marked location to a new location.
1 Select א > Waypoint Manager.
2 Select a waypoint.
3 Select א > Project Waypoint.
4 Enter the bearing, and select ✓.
5 Select a unit of measure.
6 Enter the distance, and select ✓.
7 Select Save.

**Deleting a Waypoint**
1 Select א > Waypoint Manager.
2 Select a waypoint.
3 Select א > Delete > Yes.

**Routes**
A route is a sequence of waypoints or locations that leads you to your final destination.

**Creating a Route**
1 Select א > Route Planner > Create Route > Select First Point.
2 Select a category.
3 Select the first point on the route.
4 Select Use > Select Next Point.
5 Select and repeat steps 3 through 5 to add all the points in the route.
6 Select .

**Editing the Name of a Route**
1 Select א > Route Planner.
2 Select a route.
3 Select Change Name.
4 Enter the new name, and select ✓.

**Navigating a Saved Route**
1 Select א > Route Planner.
2 Select a route.
3 Select View Map > Go.
4 Navigate using the compass (page 11) or map (page 11).

**Editing a Route**
1 Select א > Route Planner.
2 Select a route.
3 Select Edit Route.
4 Select a point.
5 Select an option:
   • To view the point on the map, select View Map.
   • To change the order of the points on the route, select Move Up or Move Down.
   • To insert an additional point on the route, select Insert. The additional point is inserted before to point you are editing.
   • To remove the point from the route, select Remove.

**Reversing a Route**
1 Select א > Route Planner.
2 Select a route.
3 Select Reverse Route.

**Viewing a Route on the Map**
1 Select א > Route Planner.
2 Select a route.
3 Select View Map.

**Viewing the Active Route**
1 Select א > Active Route.
2 Select a point in the route to view additional details.

**Deleting a Route**
1 Select א > Route Planner.
2 Select a route.
3 Select Delete Route > Yes.

**Tracks**
A track is a recording of your path. The track log contains information about points along the recorded path, including time, location, and elevation for each point.

**Recording Track Logs**
1 Select א > Setup > Tracks > Track Log.
2 Select Record, Do Not Show or Record, Show On Map.
   If you select Record, Show On Map, a line on the map indicates your track.
3 Select Record Method.
4 Select an option:
   • To record tracks at a variable rate that create an optimum representation of your tracks, select Auto.
   • To record tracks at a specified distance, select Distance.
   • To record tracks at a specified time, select Time.
5 Select Interval.
6 Complete an action:
   • If you selected Auto for the Record Method, select an option to record tracks more or less often.
   • If you selected Distance or Time for the Record Method, enter a value, and select ✓.

As you move with the device turned on, a track log is created.

**Viewing Details about the Track**
1 Select א > Track Manager.
2 Select a track.
3 Select View Map.
   The beginning and the end of the track are marked by flags.
4 Select the information bar along the top of the screen.
   Information about the track is listed.

**Viewing the Elevation Plot of a Track**
1 Select א > Track Manager.
2 Select a track.
3 Select Elevation Plot.

**Navigating to the Start of a Track**
You can navigate back to the beginning of a track. This can be helpful when finding your way back to camp or the trail head.
1 Select א > Track Manager > Current Track > View Map.
2 Select TracBack.
   The map page opens with your route marked with a magenta line.
3 Navigate using the map (page 11) or the compass (page 11).

Changing the Track Color
1 Select Track Manager.
2 Select a track.
3 Select Set Color.
4 Select a color.

Saving the Current Track
1 Select Track Manager.
2 Select a track.
3 Select an option:
   • To save the entire track, select Save Track.
   • To save part of the track, select Save Portion, and select the part to save.

Saving a Location on a Track
1 Select Track Manager.
2 Select a track.
3 Select View Map.
4 Select a location along the track.
5 Select the information bar along the top of the screen.
6 Select Track Manager.
7 Select OK.

Clearing the Current Track
Select Track Manager > Current Track > Clear Current Track.

Deleting a Track
1 Select Track Manager.
2 Select a track.
3 Select Delete > Yes.

Archiving a Saved Track
You can archive saved tracks to save memory space.
1 Select Track Manager.
2 Select a saved track.
3 Select Archive.

Archiving Tracks Automatically
1 Select Setup > Tracks > Auto Archive.
2 Select an option.

Sending and Receiving Data Wirelessly
Before you can share data wirelessly, you must be within 10 ft. (3 m) of a compatible Garmin device.
You can share waypoints, geocaches, routes, and tracks wirelessly. For information on sharing dog track and train codes wirelessly, see page 3.
1 Select Share Wirelessly.
2 Select Send or Receive.
3 Follow the on-screen instructions.

Map
The ▲ blue triangle represents your location on the map. As you travel, the icon moves and leaves a track log (trail). Waypoint names and symbols appear on the map. When you are navigating to a destination, your route is marked with a magenta line on the map.
When the map orientation is Track Up, objects on the map appear to rotate around your position. As you travel, the entire map reorients in the direction you are facing. You can stabilize the objects by setting the orientation to North Up (page 13).
To open the map, select Map.

Measuring Distance on the Map
You can measure the distance between two points.
1 From the map, select a location.
2 Select Track Manager > Measure Distance > Use.
3 Move the pin to another location on the map.

Compass
The handheld device has a 3-axis, tilt-compensated compass. You can use a bearing pointer or a course pointer to navigate to your destination.

Calibrating the Compass

<table>
<thead>
<tr>
<th>NOTICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calibrate the electronic compass outdoors. To improve heading accuracy, do not stand near objects that influence magnetic fields, such as vehicles, buildings, and overhead power lines.</td>
</tr>
</tbody>
</table>

You should calibrate the compass after moving long distances, experiencing temperature changes, or removing the battery.
1 Select Track Manager > Compass > Calibrate Compass > Start.
2 Follow the on-screen instructions.

Navigating with the Bearing Pointer
When navigating to a destination, the ▲ bearing pointer points to your destination, regardless of the direction you are moving.
1 While navigating to a destination, select Track Manager > Compass.
2 Turn until ▲ points toward the top of the compass, and continue moving in that direction to the destination.

Course Pointer
The course pointer is most useful if you are navigating on water or where there are no major obstacles in your path. It also helps you avoid hazards to either side of the course, such as shoals or submerged rocks.
To enable the course pointer, from the compass, select Setup Heading > Go To Line/Pointer > Course (CDI).

The course pointer 1 indicates your relationship to the course line leading to the destination. The course deviation indicator (CDI) 2 provides the indication of drift (right or left) from the course. The scale 3 refers to the distance between dots 4 on the course deviation indicator, which tell you how far off course you are.

Navigation
You can navigate routes and tracks, to a waypoint, geocache, photo, or any saved location in the device. You can use the map or the compass to navigate to your destination.
Finding a Waypoint by Name
2. Enter the name.
3. Select ✔.

Finding a Waypoint Near Another Waypoint
1. Select 🔄 > Waypoint Manager.
2. Select a waypoint.
3. Select 📖 > Find Near Here.
4. Select a category.
The list displays waypoints near the original waypoint.

Navigating with Sight 'N Go
You can point the device at an object in the distance, lock in the direction, and then navigate to the object.
1. Select 🔄 > Sight 'N Go.
2. Point the device at an object.
3. Select Lock Direction > Set Course.
4. Navigate using the compass (page 11) or map (page 11).

Elevation Plot
By default, the elevation plot displays the elevation for an elapsed time. You can customize the plot (page 12) and the data fields (page 13).
To open the elevation plot, select 🔄 > Elevation Plot.

Calibrating the Barometric Altimeter
You can manually calibrate the barometric altimeter if you know the correct elevation or the correct barometric pressure.
1. Go to a location where the elevation or barometric pressure is known.
2. Select 🔄 > Elevation Plot > 📖 > Calibrate Altimeter.
3. Follow the on-screen instructions.

Navigating to a Point on the Plot
1. Select 🔄 > Elevation Plot.
2. Select an individual point on the plot.
   - Details about the point appear in the upper-left corner of the plot.
3. Select 📖 > View Map.
4. Select the information bar along the top of the screen.
5. Select Go.
6. Navigate using the compass (page 11) or map (page 11).

Changing the Plot Type
You can change the elevation plot to display pressure and elevation over time or distance.
1. Select 🔄 > Elevation Plot > 📖 > Change Plot Type.
2. Select an option.

Resetting the Elevation Plot
Select 🔄 > Elevation Plot > 📖 > Reset > Clear Current Track > Yes.

Trip Computer
The trip computer displays your current speed, average speed, maximum speed, trip odometer, and other helpful statistics. You can customize the trip computer layout, dashboard, and data fields (page 13).

To open the trip computer, select 🔄 > Trip Computer.

Resetting the Trip Computer
For accurate trip information, reset the trip information before beginning a trip.
Select 🔄 > Trip Computer > 📖 > Reset > Reset Trip Data > Yes.

Applications

Setting a Proximity Alarm
Proximity alarms alert you when you are within a specified range of a particular location. To set an alarm for dogs or contacts entering and exiting a certain radius, see page 5.
1. Select 🔄 > Proximity Alarms.
2. Select Create Alarm.
3. Select a category.
4. Select a location.
5. Select Use.
6. Enter a radius.
7. Select ✔.
When you enter an area with a proximity alarm, the device sounds a tone.

Calculating the Size of an Area
1. Select 🔄 > Area Calculation > Start.
2. Walk around the perimeter of the area you want to calculate.
3. When finished, select Calculate.

Viewing the Calendar and Almanacs
You can view device activity, such as when a waypoint was saved, and almanac information for the sun and moon, and hunting and fishing.
1. Select 🔄.
2. Select an option:
   - To view device activity for specific days, select Calendar.
   - To view the sunrise, sunset, moonrise, and moonset times, select Sun and Moon.
   - To view the predicted best times for hunting and fishing, select Hunt and Fish.
3. If necessary, select 🔄 or 🔄 to view a different day.

Setting an Alarm
1. Select 🔄 > Alarm Clock.
2. Select ➕ and ➔ to set the time.
3. Select Turn Alarm On.
4. Select an option.
The alarm sounds at the selected time. If the device is off at the alarm time, the device turns on and sounds the alarm.

Starting the Countdown Timer
1. Select 🔄 > Alarm Clock > 📖 > Timer.
2. Select ➕ and ➔ to set the time.
3. Select Start Timer.

Opening the Stopwatch
Select 🔄 > Stopwatch.
Satellite Page
The satellite page shows your current location, GPS accuracy, satellite locations, and signal strength.

Changing the Satellite View
By default, the satellite view is with North at the top. You can change the view of the satellites to be oriented with your current track toward the top of the screen.

1. Select \( \text{Select} \) > Satellite > \( \text{Orientation} \)
2. Select Track Up.

Turning Off GPS
Select \( \text{Select} \) > Satellite > \( \text{Setup} \) > Use With GPS Off.

Simulating a Location
1. Select \( \text{Select} \) > Satellite > \( \text{Setup} \) > Use With GPS Off.
2. Select \( \text{Set Location On Map} \).
3. Select a location.
4. Select Use.

Customizing Your Device

Customizing the Main Menu
You can move, add, and delete items in the main menu.
1. From the main menu, select \( \text{Setup} \) > Main Menu.
2. Select a menu item.
3. Select an option:
   • Select \( \text{Move Up} \) or \( \text{Move Down} \) to change the location of the item in the list.
   • Select \( \text{Remove} \) to delete an item from the list.
   • Select \( \text{Add Page} \) to place an item on the list after you have removed it.
   • Select \( \text{Restore Defaults} \) to reset the order of all items in the menu.

Customizing the Data Fields
Before you can customize the data fields on the map, you must enable the data fields (page 13).
You can customize the data fields and dashboards of the map, compass, elevation plot, and trip computer.
1. Open the page for which you will change the data fields.
2. Select a data field to customize.
3. Select the new data field.
   For data field descriptions, see page 18.

Enabling the Map Data Fields
Select \( \text{Setup} \) > Map Data Fields.

System Settings
Select \( \text{Setup} \) > System.

GPS: Sets the GPS to Normal, WAAS/EGNOS (Wide Area Augmentation System/European Geostationary Navigation Overlay Service), or Demo Mode (GPS off). For more information about WAAS, go to http://www.garmin.com/aboutGPS/waas.html.

BaseCamp BaseStation: Sets how the device connects to BaseCamp when the device is connected to the computer.

Dog Settings
Select \( \text{Setup} \) > Dogs.

Customizing Your Device

Customizing Your Device

Display Settings
Select \( \text{Setup} \) > Display.

Backlight Timeout: Adjusts the length of time before the backlight turns off.

Screen Capture: Allows you to save the image on the device.

Battery Save: Saves the battery power and prolongs the battery life by turning off the screen when the backlight times out (page 16).

Calibrate Screen: Aligns the screen to properly respond to touches (page 13).

Calibrating the Touchscreen
You can calibrate the screen, if it does not seem to be responding properly.
1. Select \( \text{Setup} \) > Display > Calibrate Screen.
2. Follow the on-screen instructions.

Appearance Settings
Select \( \text{Setup} \) > Appearance.

Mode: Sets a light background, a dark background, or automatically switches between the two based on the sunrise and sunset time for your current location.

Background: Sets the background image.

Day Highlight Color: Sets the color for selections made when in day mode.

Night Highlight Color: Sets the color for selections made when in night mode.

Setting the Device Tones
You can customize tones for messages, keys, warnings, and alarms.
1. Select \( \text{Setup} \) > Tones.
2. Select a tone for each audible type.

Map Settings
Select \( \text{Setup} \) > Map.

Orientation: Adjusts how the map is shown on the page. North Up shows North at the top of the page. Track Up shows your current direction of travel toward the top of the page.
Automotive Mode shows an automotive perspective with the direction of travel at the top.

Guidance Text: Sets when the guidance text on the map is shown.

Dashboard: Selects a dashboard to display on the map. Each dashboard shows different information about your route or your location.

Map Information: Enables or disables the maps currently loaded on the device.

Map Speed: Adjusts the speed at which the map is drawn. A faster map drawing speed decreases the battery life.

Advanced Map Settings
Select Setup > Map > Advanced Setup.

Auto Zoom: Automatically selects the appropriate zoom level for optimal use on your map. When Off is selected, you must zoom in or out manually.

Detail: Selects the amount of detail shown on the map. Showing more detail may cause the map to redraw more slowly.

Shaded Relief: Shows detail relief on the map (if available) or turns off shading.

Vehicle: Selects the position icon, which represents your position on the map.

Zoom Levels: Adjusts the zoom level at which map items will appear. The map items will not appear when the map zoom level is higher than the selected level.

Text Size: Selects the text size for map items.

Track Settings
Select Setup > Tracks.

Track Log: Turns track recording on or off.

Record Method: Selects a track recording method. Auto records the tracks at a variable rate to create an optimum representation of your tracks.

Interval: Selects a track log recording rate. Recording points more frequently creates a more-detailed track, but fills the track log faster.

Auto Archive: Selects an automatic archive method to organize your tracks. Tracks are saved and cleared automatically based on the user setting.

Color: Changes the color of the track line on the map.

Routing Settings
The device calculates routes optimized for the type of activity you are doing. The routing settings available vary based on the activity selected.
Select Setup > Routing.

Activity: Selects an activity for routing. The device calculates routes optimized for the type of activity you are doing.

Route Transitions: Sets how the device routes from one point on the route to the next. This setting is available only for some activities. Distance routes you to the next point on the route when you are within a specified distance of your current point.

Lock On Road: Locks the position icon, which represents your position on the map, onto the nearest road.

Changing the Units of Measure
You can customize units of measure for distance and speed, elevation, depth, temperature, and pressure.

1. Select Setup > Units.
2. Select a measurement type.
3. Select a unit of measure for the setting.

Time Settings
Select Setup > Time.

Time Format: Sets the device to show time in a 12-hour or 24-hour format.

Time Zone: Sets the time zone for the device. Automatic sets the time zone automatically based on your GPS position.

Position Format Settings
NOTE: Do not change the position format or the map datum coordinate system unless you are using a map or chart that specifies a different position format.
Select Setup > Position Format.

Position Format: Sets the position format in which a given location reading appears.

Map Datum: Sets the coordinate system on which the map is structured.

Map Spheroid: Shows the coordinate system the device is using. The default coordinate system is WGS 84.

Heading Settings
You can customize the compass settings.
Select Setup > Heading.

Display: Sets the type of directional heading shown on the compass.

North Reference: Sets the north reference used on the compass.

Go To Line/Pointer: Allows you to use the Bearing pointer that points in the direction of your destination, or use the Course (CDI) that shows your relationship to the course line leading to the destination.

Compass: Automatically switches from an electronic compass to a GPS compass when you are traveling at a higher rate of speed for a period of time.

Calibrate Compass: See page 11.

Altimeter Settings
Select Setup > Altimeter.

Auto Calibration: Automatically calibrates the altimeter each time the device is turned on.

Barometer Mode: Variable Elevation allows the barometer to measure changes in elevation while you are moving. Fixed Elevation assumes the device is stationary at a fixed elevation. Therefore, the barometric pressure should only change due to weather.

Pressure Trending: Sets how the device records pressure data. Save Always can be useful when you are watching for pressure fronts.

Plot Type: Records elevation changes over a period of time or distance, records barometric pressure over a period of time, or records ambient pressure changes over a period of time.

Calibrate Altimeter: See page 12.

Marine Map Settings
Select Setup > Marine.

Marine Chart Mode: Selects a nautical chart or a fishing chart. Nautical displays various map features in different colors so the marine POIs are more readable and so the map reflects the drawing scheme of paper charts. Fishing (requires marine maps) displays a detailed view of bottom contours and depth soundings and simplifies map presentation for optimal use while fishing.

Appearance: Sets the appearance of marine navigation aids on the map.
**Marine Alarm Setup:** Sets alarms for when you exceed a specified drift distance while anchored, when you are off course by a specified distance, and when you enter water of a specific depth.

**Device Information**

**Viewing Device Information**
You can view the unit ID, software version, and license agreement.
Select **Setup > About.**

**Updating the Software**
Before you can update the handheld device or collar software, you must connect the handheld device (page 16) or the collar (page 17) to the computer.

You must update the software on the handheld device and collar separately.

**NOTE:** Updating the software does not erase any of your data or settings.

2. Follow the on-screen instructions.

**Device Care**

**NOTICE**
Do not store the device where prolonged exposure to extreme temperatures can occur, because it can cause permanent damage.

Never use a hard or sharp object to operate the touch screen, or damage may result.

Avoid chemical cleaners and solvents that can damage plastic components.

Secure the weather cap tightly to prevent damage to the mini-USB port.

**Cleaning the Device**

1. Wipe the device using a cloth dampened with a mild detergent solution.
2. Wipe it dry.

**Cleaning the Touchscreen**

1. Use a soft, clean, lint-free cloth.
2. If necessary, lightly dampen the cloth with water.
3. If using a dampened cloth, turn off the device and disconnect the device from power.
4. Gently wipe the screen with the cloth.

**Specifications**

**Alpha 100 Handheld Device Specifications**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery type</td>
<td>Rechargeable, replaceable lithium-ion</td>
</tr>
<tr>
<td>Battery life</td>
<td>Up to 20 hours</td>
</tr>
<tr>
<td>Operating temperature range</td>
<td>From -4°F to 140°F (from -20°C to 60°C)</td>
</tr>
<tr>
<td>Charging temperature range</td>
<td>From 32°F to 113°F (from 0°C to 45°C)</td>
</tr>
<tr>
<td>Long-term storage temperature range</td>
<td>From 32°F to 77°F (from 0°C to 25°C)</td>
</tr>
<tr>
<td>Water resistance</td>
<td>IEC 60529 IPX7</td>
</tr>
<tr>
<td>VHF wireless range</td>
<td>Up to 9 miles</td>
</tr>
<tr>
<td>ANT+ Low power wireless range</td>
<td>About 10 ft. (3 m)</td>
</tr>
</tbody>
</table>

**TT 10 Dog Collar Device Specifications**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery type</td>
<td>Rechargeable, replaceable lithium-ion</td>
</tr>
<tr>
<td>Battery life</td>
<td>20 hours with a 2.5-second update rate; 40 hours with a 2-minute update rate</td>
</tr>
<tr>
<td>Operating temperature range</td>
<td>From -4°F to 140°F (from -20°C to 60°C)</td>
</tr>
<tr>
<td>Charging temperature range</td>
<td>From 32°F to 113°F (from 0°C to 45°C)</td>
</tr>
<tr>
<td>Short-term storage temperature range</td>
<td>From -4°F to 104°F (from -20°C to 40°C)</td>
</tr>
<tr>
<td>Long-term storage temperature range</td>
<td>From -4°F to 77°F (from -20°C to 25°C)</td>
</tr>
<tr>
<td>Water resistance</td>
<td>Up to 10 meters</td>
</tr>
</tbody>
</table>

**Battery Information**

**WARNING**
This product contains a lithium-ion battery. To prevent the possibility of personal injury or product damage caused by battery exposure to extreme heat, store the device out of direct sunlight.

Do not use a sharp object to remove batteries.

**CAUTION**
Contact your local waste disposal department to properly recycle the batteries.

**Long-Term Storage**

**NOTICE**
The normal long-term decrease in the charging capacity of lithium-ion batteries can be accelerated by exposure to elevated temperatures. Storing a fully charged device in a location with a temperature outside the long-term storage temperature range can significantly reduce its recharging capacity. See page 15.

When you do not plan to use the handheld device for several months, the battery should be removed. Stored data is not lost when the battery is removed.

When you do not plan to use the collar for several months, the battery should be charged to about 50%. The device should be stored in a cool, dry place with temperatures are around the typical household level. After storage, the collar should be fully recharged before use.

**Maximizing the Battery Life**
You can do several things to extend the life of the batteries in the handheld device and collar.

- Reduce the backlight brightness (page 15).
- Reduce the backlight timeout (page 16).
- Select a longer duration for your handheld update rate (page 16).
- Turn off the transmitter (page 16).
- Use battery save mode (page 16)
- Decrease the map drawing speed (page 16).
- Put the dog collar device into rescue mode (page 9) to conserve the collar battery.
- Extend the duration for the collar update rate (page 16) to conserve the collar battery.

**Adjusting the Backlight Brightness**
Extensive use of screen backlighting can significantly reduce battery life. You can adjust the backlight brightness to maximize the battery life.

**NOTE:** The backlight brightness may be limited when the battery is low.

1. Select the **Power** key.
2 Use the slider to adjust the backlight level. The device may feel warm when the backlight setting is high.

**Adjusting the Backlight Timeout**
You can decrease the backlight timeout to maximize the battery life.
1 Select **Setup > Display > Backlight Timeout**.
2 Select an option.

**Changing the Dog Collar Device Update Rate**
Before you can change the collar update rate, the collar must be turned on and within range of the handheld device. You can select a longer duration for the update rate to conserve battery power.
1 Select **Dog List**.
2 Select a dog.
3 Select **Show Info > Change Update Rate**.

**Changing Your Handheld Update Rate**
You can select a longer duration for the update rate to conserve battery power.
1 Select **Setup > Contacts > Pairing Setup > Update Rate**.
2 Select a new update rate.

**Turning On the Handheld Battery Save Mode**
You can use battery save mode to prolong the battery life.
Select **Setup > Display > Battery Save > On**.
When in battery save mode, the screen shuts off when the backlight times out.

**Adjusting the Map Drawing Speed**
You can reduce the map drawing speed to conserve battery power.
Select **Setup > Map > Map Speed > Normal**.

**Turning Off the Transmitter**
You can disable transmitting to conserve battery power on the handheld device when you are not communicating with contacts.
**NOTE:** At cold temperatures, if you transmit when the battery is low, the device may shutdown.
Select **Setup > Contacts > Pairing Setup > Transmitting > Off**.
When the transmitter is off, you cannot send your location or messages to contacts.

**Saving Energy While Charging the Device**
You can turn off the device display and all other features while charging.
1 Connect your device to an external power source. The remaining battery capacity appears.
2 Hold the power key for 4 to 5 seconds. The display turns off, and the device goes into a low power, battery charging mode.
3 Charge the device completely.

**Data Management**
You can store files on your device. The device has a memory card slot for additional data storage.
**NOTE:** The device is not compatible with Windows® 95, 98, Me, Windows NT®, and Mac® OS 10.3 and earlier.

**File Types**
The handheld device supports these file types:
- GPX geocache files. Go to [www.opencaching.com](http://www.opencaching.com).

**Installing a Memory Card**

**WARNING**
Do not use a sharp object to remove user-replaceable batteries.

You can install a microSD memory card in the handheld device for additional storage or pre-loaded maps.
1 Turn the D-ring counter-clockwise, and pull up to remove the cover.
2 Remove the battery.
3 Slide the card holder to the left and lift up, as shown, in the battery compartment.
4 Place the memory card with the gold contacts facing down.
5 Close the card holder.
6 Slide the card holder to the right to lock it.
7 Replace the battery and cover (page 1).

**Connecting the Handheld Device to a Computer**

**NOTICE**
To prevent corrosion, thoroughly dry the mini-USB port, the weather cap, and the surrounding area before charging or connecting to a computer.

1 Lift the weather cap ①.
2 Plug the small end of the USB cable into the mini-USB connector ② on the device.
3 Plug the other end of the USB cable into an available USB port on the computer.
Your device and memory card (optional) appear as removable drives in My Computer on Windows computers and as mounted volumes on Mac computers.
Connecting the Collar to a Computer

**NOTICE**
To prevent corrosion, thoroughly dry the contacts on the collar and the surrounding area before connecting the charging clip.

You can connect the collar to your computer to use with programs like BaseCamp. The collar is not a mass storage device.

1. Connect the USB cable to a USB port on your computer.
2. Snap the charging clip onto the collar.
3. Plug the small end of the USB cable into the mini-USB port.

Remove the charging clip from the collar when you are done. If you do not remove the clip, it may become detached from the collar and become lost.

Transferring Dog Tracks to BaseCamp
You can transfer the dog tracks to BaseCamp.

1. Connect the collar to the computer (page 17).
2. Turn on the collar (page 2).
3. Open BaseCamp.
   - BaseCamp recognizes and transfers the collar's internal track log automatically.

Deleting Files

**NOTICE**
If you do not know the purpose of a file, do not delete it. Your device memory contains important system files that should not be deleted.

1. Open the Garmin drive or volume.
2. If necessary, open a folder or volume.
4. Press the Delete key on your keyboard.

Disconnecting the USB Cable
If your device is connected to your computer as a removable drive or volume, you must safely disconnect your device from your computer to avoid data loss. If your device is connected to your Windows computer as a portable device, it is not necessary to safely disconnect.

1. Complete an action:
   - For Windows computers, select the **Safe Remove Hardware** icon in the system tray, and select your device.
   - For Mac computers, drag the volume icon to the trash.
2. Disconnect the cable from your computer.

### Appendix

**Accessories and Replacement Parts**

**Purchasing Accessories**

Go to [http://buy.garmin.com](http://buy.garmin.com).

**Optional Maps**

You can use additional maps with the device, such as BirdsEye satellite imagery, BlueChart® g2, and City Navigator® detailed maps. Detailed maps may contain additional points of interest, such as restaurants or marine services. For more information, go to [http://buy.garmin.com](http://buy.garmin.com) or contact your Garmin dealer.

**ANT+ Sensors**

Your device can be used with wireless ANT+ sensors. For more information about compatibility and purchasing optional sensors, go to [http://buy.garmin.com](http://buy.garmin.com).

### Connecting the Collar to a Computer

**NOTICE**
To prevent corrosion, thoroughly dry the contacts on the collar and the surrounding area before connecting the charging clip.

You can connect the collar to your computer to use with programs like BaseCamp. The collar is not a mass storage device.

1. Connect the USB cable to a USB port on your computer.
2. Snap the charging clip onto the collar.
3. Plug the small end of the USB cable into the mini-USB port.

Remove the charging clip from the collar when you are done. If you do not remove the clip, it may become detached from the collar and become lost.

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1. Connect the collar to the computer (page 17).
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1. Complete an action:
   - For Windows computers, select the **Safe Remove Hardware** icon in the system tray, and select your device.
   - For Mac computers, drag the volume icon to the trash.
2. Disconnect the cable from your computer.

**Tips for Pairing ANT+ Accessories with Your Garmin Device**

- Verify that the ANT+ accessory is compatible with your Garmin device.
- Before you pair the ANT+ accessory with your Garmin device, move 10 m (32.9 ft.) away from other ANT+ accessories.
- Bring the Garmin device within range 3 m (10 ft.) of the ANT+ accessory.
- After you pair the first time, your Garmin device automatically recognizes the ANT+ accessory each time it is activated. This process occurs automatically when you turn on the Garmin device and only takes a few seconds when the accessories are activated and functioning correctly.
- When paired, your Garmin device receives data from only your accessory, and you can go near other accessories.

**Using Optional Fitness Accessories**

1. Bring the device within range (3 m) of the ANT+ accessory.
2. Select ▲ > Setup > Fitness.
3. Select Heart Rate Monitor or Bike Cadence Sensor.
4. Select Search for New.
5. Customize the data fields to view the heart rate or cadence data (page 13).

**Tempe™**

The tempe is an ANT+ wireless temperature sensor. You can attach the sensor to a secure strap or loop where it is exposed to ambient air, and therefore, provides a consistent source of accurate temperature data. You must pair the tempe with your device to display temperature data from the tempe.

**Purchasing Accessories**

Go to [http://buy.garmin.com](http://buy.garmin.com).

**Optional Maps**

You can use additional maps with the device, such as BirdsEye satellite imagery, BlueChart® g2, and City Navigator® detailed maps. Detailed maps may contain additional points of interest, such as restaurants or marine services. For more information, go to [http://buy.garmin.com](http://buy.garmin.com) or contact your Garmin dealer.

**ANT+ Sensors**

Your device can be used with wireless ANT+ sensors. For more information about compatibility and purchasing optional sensors, go to [http://buy.garmin.com](http://buy.garmin.com).
Removing the Old Battery

Before you replace the battery, you must remove all dirt, water, and debris from the device. Also, you need a small Phillips screwdriver.

1. Remove the six screws from the outer edges of the back plate.
   **TIP:** You should leave the two inner screws in place.
2. Pry off the back plate.
3. Disconnect the four-pin and five-pin connectors.
4. Remove the three screws that secure the battery cover.
5. Remove the battery cover and the battery.
   Remember the orientation of the battery. You must install the new battery the same way.

After you remove the old battery, contact your local waste disposal department to properly recycle the battery.

Installing the New Battery

Before you replace the battery, you must remove the old battery (page 18). You also need a small Phillips screwdriver. You may need a small flat screwdriver to connect the connectors.

1. Install the new battery with the connector on the end nearest the **Power** key.
2. Replace the battery cover.
3. Replace the three screws to secure the battery cover.
4. Connect the five-pin and four-pin connectors.
   You may need to use a flat screwdriver to help secure the connectors.
5. Select the **Power** key to test the connections.
   **TIP:** You can turn off the device before proceeding.
6. Make sure the gasket located inside the bottom cover is fully seated.
7. Replace the back plate.
8. Replace the six screws to secure the back plate.

After you install the new battery, charge the collar completely.

Replacing the Collar Strap

Before you replace the collar strap, you must remove all dirt, water, and debris from the device (page 15).

1. Pull the collar strap out of the GPS antenna, VHF antenna guide, and the dog device.
   You may need to push and pull the collar strap to properly remove it. You may need to loosen the screw on the GPS antenna case, but do not remove them.
2. Thread the new collar strap through the dog device, VHF antenna guide, and GPS antenna.
3. If necessary, tighten the screws that secure the GPS antenna case.

Replacing the VHF Antenna in the Dog Collar Device

**NOTICE**

Do not excessively bend the band that connects the main device case with the GPS antenna.

When the L-shaped cover is removed, do not disturb the sealant opposite the VHF antenna, because this can damage the waterproof seal of the dog collar device.

Before you replace the VHF antenna, you must remove all dirt, water, and debris from the device (page 15). Also, you need a small Phillips screwdriver.

1. Remove the 4 screws from the L-shaped cover over the VHF antenna.
   **NOTE:** You should note the location of the one short screw.
2. Pry off the L-shaped cover.
3. Remove the screw securing the VHF antenna to the back plate.
4. Pull the length of the antenna from the antenna guide to remove the old antenna.
5. Loop the antenna guide around the collar strap, and thread the new VHF antenna through the guide.
   This helps to point the antenna up.
6. Replace the screw securing the VHF antenna to the back plate.
7. Replace the L-shaped cover over the VHF antenna.
8. Replace the 4 screws on the L-shaped cover, replacing the short screw in the correct location.

Changing the Fuse in the Vehicle Power Cable

**NOTICE**

When replacing the fuse, do not lose any of the small pieces and make sure they are put back in the proper position. The vehicle power cable does not work unless it is assembled correctly.

If your device does not charge in your vehicle, you may need to replace the fuse located at the tip of the vehicle adapter.

1. Unscrew the end piece.
   **TIP:** You may need to use a coin to remove the end piece.
2. Remove the end piece, the silver tip, and the fuse.
3. Install a 2 A fast-blow fuse.
4. Place the silver tip in the end piece.
5. Screw the end piece back into the vehicle power cable.

Data Field Options

**Accuracy of GPS:** The margin of error for your exact location. For example, your GPS location is accurate to within +/- 12 feet (3.65 m).

**Ambient Pressure:** The uncalibrated environmental pressure.

**Ascent - Average:** The average vertical distance of ascent since the last reset.

**Ascent - Maximum:** The maximum rate of ascent in feet per minute or meters per minute since the last reset.

**Ascent - Total:** The total elevation distance ascended since the last reset.

**Barometer:** The calibrated current pressure.

**Battery Level:** The remaining battery power.
**Bearing**: The direction from your current location to a destination. You must be navigating for this data to appear.

**Cadence**: The revolutions of the crank arm or strides per minute. Your device must be connected to a cadence accessory.

**Course**: The direction from your starting location to a destination. Course can be viewed as a planned or set route. You must be navigating for this data to appear.

**Descent - Average**: The average vertical distance of descent since the last reset.

**Descent - Maximum**: The maximum rate of descent in feet per minute or meters per minute since the last reset.

**Descent - Total**: The total elevation distance descended since the last reset.

**Distance to Destination**: The remaining distance to the final destination. You must be navigating for this data to appear.

**Distance to Next**: The remaining distance to the next waypoint on the route. You must be navigating for this data to appear.

**Elevation**: The altitude of your current location above or below sea level.

**Elevation - Maximum**: The highest elevation reached since the last reset.

**Elevation - Minimum**: The lowest elevation reached since the last reset.

**ETA at Destination**: The estimated time of day you will reach the final destination (adjusted to the local time of the destination). You must be navigating for this data to appear.

**ETA at Next**: The estimated time of day you will reach the next waypoint on the route (adjusted to the local time of the waypoint). You must be navigating for this data to appear.

**Glide Ratio**: The ratio of horizontal distance traveled to the change in vertical distance.

**Glide Ratio to Dest**: The glide ratio required to descend from your current position to the destination elevation. You must be navigating for this data to appear.

**GPS Signal Strength**: The strength of the GPS satellite signal.

**Heading**: The direction you are moving.

**Heart Rate**: Your heart rate in beats per minute (bpm). Your device must be connected to a compatible heart rate monitor.

**Location (lat/lon)**: The current position in latitude and longitude regardless of the selected position format setting.

**Location (selected)**: The current position using the selected position format setting.

**Odometer**: A running tally of distance traveled for all trips. This total does not clear when resetting the trip data.

**Off Course**: The distance to the left or right by which you have strayed from the original path of travel. You must be navigating for this data to appear.

**Pointer**: An arrow points in the direction of the next waypoint or turn. You must be navigating for this data to appear.

**Speed**: The current rate of travel.

**Speed Limit**: The reported speed limit for the road. Not available in all maps and in all areas. Always rely on posted road signs for actual speed limits.

**Speed - Maximum**: The highest speed reached since the last reset.

**Speed - Moving Avg.**: The average speed while moving since the last reset.

**Speed - Overall Avg.**: The average speed while moving and stopped since the last reset.

**Sunrise**: The time of sunrise based on your GPS position.

**Sunset**: The time of sunset based on your GPS position.

**Time of Day**: The current time of day based on your current location and time settings (format, time zone, daylight saving time).

**Time to Destination**: The estimated time remaining before you reach the destination. You must be navigating for this data to appear.

**Time to Next**: The estimated time remaining before you reach the next waypoint in the route. You must be navigating for this data to appear.

**To Course**: The direction in which you must move to get back on the route. You must be navigating for this data to appear.

**Trip Odometer**: A running tally of the distance traveled since the last reset.

**Trip Time - Moving**: A running tally of the time spent moving since the last reset.

**Trip Time - Stopped**: A running tally of the time spent not moving since the last reset.

**Trip Time - Total**: A running tally of the total time spent moving and not moving since the last reset.

**Turn**: The angle of difference (in degrees) between the bearing to your destination and your current course. L means turn left. R means turn right. You must be navigating for this data to appear.

**Velocity Made Good**: The speed at which you are closing on a destination along a route. You must be navigating for this data to appear.

**Vertical Speed**: The rate of ascent or descent over time.

**Vertical Speed to Dest**: The rate of ascent or descent to a predetermined altitude. You must be navigating for this data to appear.

**Waypoint at Dest**: The last point on the route to the destination. You must be navigating for this data to appear.

**Waypoint at Next**: The next point on the route. You must be navigating for this data to appear.
Index

A
accessories 1, 17
alarms
clock 12
marine 14
proximity 12
tones 13
alerts
dog 4
location 5, 6
almanacs 12
altimeter 14
calibrating 12
ANT+ sensors, pairing 17
ANT+ sensors 17
area calculation 12
B
backlight 13, 15, 16
BaseCamp 5, 13, 16, 17
battery 15
charging 2, 16
installing 1
life 13
maximizing 9, 13, 15, 16
replacing 17, 18
storage 15
beacon 9
bearing pointer 11
C
calendar 12
calibrating
altimeter 12
screen 13
charging 16
collar 2
handheld 2
cleaning the device 15
cleaning the touchscreen 15
collar 4
battery replacement 17, 18
charging 2
contact points 6
light 9
replacing battery 18
replacing strap 18
VHF antenna 1, 18
compass 5, 11
calibrating 11
navigating 11
settings 14
computer, connecting 16, 17
contact 8, 16
adding 8
ID 8, 9
settings 13
update rate 16
viewing on map 8
contact points 1, 6
course, pointer 11
covey, marking 9
D
data, sharing 11
data fields 13
deleting, all user data 17
device
care 15
registration 1
dog 4
adding 3
alerts 4
collar 7, 9
ID 3, 4
information 3, 4
navigating to 5
settings 13
statistics 3
track and train codes 3
tracking 4, 5
tracks 3, 17
training 6, 7
training basics 6–8
training intensity levels 7, 8
type 3
update rate 16
dog collar device 7
E
elevation 10, 12
plot 12
F
files, transferring 16
fuse, changing 18
G
gEOFences 5, 6
GPS 13
settings 13
H
hunter. See contact
hunting and fishing times 12
I
icons 5
K
keys 1
training 6
L
line-of-sight radio communication 4
locking, screen 2
M
main menu, customizing 13
maps 9, 10
data fields 13
measuring distances 11
navigating 11
optional 17
orientation 11, 13
settings 13, 14, 16
zoom 14
zooming 5
marine, alarms setup 14
measuring distances 11
memory card 1, 16
messages 8
microSD. See memory card
N
navigation 5, 11, 12
altimeter 12
O
on-screen buttons 2
P
pairing, ANT+ sensors 17
pausing dog tracking 5
power cables, changing the fuse 18
power key 1
product registration 1
proximity alarm 12
R
radio communication 4
registering the device 1
replacement parts 17, 18
rescue mode 9
routes 10
creating 10
deleting 10
editing 10
navigating 10
settings 14
viewing on the map 10
S
satellite signals 13
acquiring 2
screen
locking 2
settings 13
settings 13, 14
sharing data 11
Sight N’ Go 12
software, updating 15
specifications 15
stopwatch 12
sunrise and sunset times 12
T
temperature 17
time settings 14
tones 13
TracBack 10
tracks 3, 10, 11
navigating 10
recording 10
settings 13, 14
training 6
transferring
files 16
tracks 17
trip information
resetting 12
viewing 12
trip planner. See routes
troubleshooting 1
U
unit ID 15
units of measure 14
updates, software 15
USB
connector 1
disconnecting 17
mass storage mode 16
transferring files 16
user data, deleting 17
V
VHF antenna 1, 18
W
WAAS 13
waypoints 9, 12
deleting 10
editing 9
projecting 10
saving 9
Z
zooming, maps 5