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Garmin 010-01041-50

Garmin Alpha 100 Bundle User Manual

Includes Handheld and TT 15 Dog Device

1. Product Overview

The Garmin Alpha 100 Bundle is a comprehensive GPS track and train system designed for dog owners and handlers. It combines advanced GPS/GLONASS tracking capabilities with Tri-Tronics training technology, allowing users to monitor and train their dogs effectively in the field. This system is ideal for tracking dogs over long distances and providing remote training commands.



Figure 1.1: Garmin Alpha 100 Bundle showing the handheld device, TT 15 dog collar, and various accessories including antennas, charging cables, and screen protectors.

Key Features:

- High-Sensitivity GPS with GLONASS for accurate tracking.
- 3-inch glove-friendly touchscreen display.
- Preloaded TOPO U.S. 100K maps and 1-year BirdsEye Satellite Imagery subscription.
- 18 levels of continuous and momentary stimulation, plus tone and vibration training options.
- Ability to track and train up to 20 dogs with additional collars (sold separately).
- Receive "Treed" & "On Point" notifications.
- Setup virtual boundaries on your map and receive alerts.
- Rechargeable battery with up to 20 hours of life for the Alpha 100 handheld.

2. What's Included

The Garmin Alpha 100 Bundle comes with the following components:

- Alpha 100 handheld device
- Rechargeable lithium-ion battery (for handheld)
- TT 15 dog device with 1-inch black collar strap
- 1 year BirdsEye Satellite Imagery subscription (activation required)
- Belt clip for handheld
- 5-inch standard antenna (for Alpha handheld)
- 13-inch extended range antenna (for Alpha handheld)
- 18.5-inch and 22.5-inch antennas (for TT 15 dog device)
- Charge split adapter cable
- AC adapter
- Vehicle power cable
- USB contact point set
- Wrench
- Durable field bag
- Manuals (User Manual, User Guide)



Figure 2.1: The Garmin Alpha 100 handheld and TT 15 dog device, the core components of the tracking and training system.

3. Setup

3.1 Charging the Devices

Before initial use, fully charge both the Alpha 100 handheld and the TT 15 dog device. Use the provided AC adapter and charge split adapter cable to charge both units simultaneously or individually.

1. Connect the charge split adapter cable to the AC adapter.
2. Connect the appropriate charging clips/cables to the Alpha 100 handheld and the TT 15 dog device.

3. Plug the AC adapter into a wall outlet.
4. Allow both devices to charge until the battery indicator shows a full charge.

3.2 Attaching Antennas

Proper antenna attachment is crucial for optimal signal reception and transmission.

- **Alpha 100 Handheld:** Screw either the 5-inch standard antenna or the 13-inch extended range antenna onto the top of the handheld device. The extended range antenna provides better performance in dense terrain.
- **TT 15 Dog Device:** Attach the appropriate antenna (18.5-inch or 22.5-inch) to the dog device. Ensure it is securely fastened.

3.3 Powering On and Initial Pairing

Follow these steps to power on your devices and establish initial communication:

1. Press and hold the power button on the Alpha 100 handheld until the screen turns on.
2. Press and hold the power button on the TT 15 dog device until the status LED flashes.
3. On the Alpha 100, navigate to the Dog List or Dog Tracking page.
4. Follow the on-screen prompts to add a new dog device. The handheld will search for nearby TT 15 devices.
5. Once detected, select your TT 15 device and complete the pairing process.

4. Operating the System

4.1 Tracking Dogs

The Alpha 100 allows you to track your dog's location, speed, and status in real-time.

- **Map Page:** Displays your location and your dog's location on the preloaded TOPO maps. Dog icons indicate their direction and movement.
- **Dog Tracking Page:** Provides a compass view showing the direction and distance to your dog(s).
- **Notifications:** The system can alert you when your dog is "Treed" or "On Point," indicating they have found game.

4.2 Training Functions

The TT 15 dog device offers various training commands controlled from the Alpha 100 handheld.

- **Stimulation:** Provides 18 levels of continuous and momentary stimulation. Use these levels to reinforce commands or correct unwanted behaviors.
- **Tone:** Emits an audible tone from the collar, useful for attention or recall.
- **Vibration:** Delivers a vibration from the collar, an alternative to stimulation for training.
- **Virtual Boundaries (Geofences):** Set up circular or polygonal boundaries on the map. When your dog enters or exits these areas, the handheld will alert you, and you can configure the system to automatically send a signal to the collar (e.g., tone or vibration) to recall the dog.

4.3 Multi-Dog Tracking

The Alpha 100 can track up to 20 dog devices simultaneously. To add more dogs, purchase additional TT 15 or T 5 (track-only) collars and pair them with your handheld following the initial pairing steps.

5. Maintenance

5.1 Cleaning

- Wipe down the handheld and dog device with a damp cloth after each use, especially if exposed to dirt, mud, or water.
- Ensure charging contacts are clean and dry before charging to prevent corrosion.
- Avoid using harsh chemicals or abrasive cleaners.

5.2 Battery Care

- Charge batteries regularly, even if not in frequent use, to maintain battery health.
- Store devices in a cool, dry place when not in use.
- Avoid extreme temperatures, which can degrade battery performance.

5.3 Software Updates

Periodically check the Garmin website for software updates for both the Alpha 100 handheld and the TT 15 dog device. Updates can improve performance, add new features, and fix bugs.

6. Troubleshooting

Problem	Possible Cause	Solution
Device not powering on.	Low or depleted battery.	Charge the device fully.
Cannot acquire GPS signal.	Obstructed view of the sky; device indoors.	Move to an open outdoor area. Ensure antennas are securely attached.
Dog device not tracking.	Out of range; device not paired; low battery on dog device.	Ensure devices are within range (up to 9 miles). Re-pair the dog device. Charge the dog device.
Training commands not working.	Dog device not receiving signal; incorrect stimulation level.	Check range and pairing. Adjust stimulation level. Ensure contact points are making proper contact with the dog's skin.

For more detailed troubleshooting, refer to the official Garmin support resources or the full user manual.

7. Specifications

Feature	Detail
Product Dimensions	1.5 x 2.5 x 6.5 inches (Alpha 100 handheld)
Item Weight	1.17 pounds (total bundle weight)
Model Number	010-01041-50
Batteries	1 Lithium Ion battery required (included)
Connectivity Technologies	Bluetooth

Feature	Detail
Special Features	Touchscreen, GPS/GLONASS, Training Modes
Display Type	Transflective, 65-K color TFT touchscreen
Screen Size	3 Inches (diagonal)
Battery Life (Alpha 100)	Up to 20 hours
Tracking Range	Up to 9 miles (line of sight)

8. Warranty and Support

Garmin products typically come with a one-year limited warranty from the date of purchase. For specific warranty details, please refer to the warranty information included with your product or visit the official Garmin website.

Additional Resources:

- User Manual (PDF)
- User Guide (PDF)
- Visit the official Garmin Store for product information and support.

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