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Garmin Descent Mk3i

Garmin Descent™ Mk3i Dive Computer and Multisport GPS Smartwatch User Manual

MODEL: DESCENT™ Mk3i

Comprehensive instruction manual for the Garmin Descent™ Mk3i, a watch-style dive computer and multisport GPS smartwatch with air integration. Learn about its features, setup, operation, and maintenance.

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1. Introduction

The Garmin Descent™ Mk3i is an advanced, watch-style dive computer and multisport GPS smartwatch designed for both underwater exploration and active lifestyles on land. It combines robust dive features with comprehensive health and fitness monitoring, ensuring you are prepared for any adventure.

Key features include:

- **Advanced Dive Computer:** Multiple dive modes for recreational to technical scuba diving and freediving, with a 200-meter dive-rated case.
- **SubWave™ Sonar Technology:** Enables diver-to-diver messaging and monitoring of tank pressures and depth for up to eight networked divers when paired with the Descent™ T2 transceiver (sold separately).
- **Dive Readiness Tool:** Provides guidance on your body's preparedness for diving based on lifestyle factors like sleep, exercise, stress, and jet lag.
- **Multi-band GPS & ABC Sensors:** Offers superior positional accuracy on the surface and includes an underwater 3-axis compass for navigation.
- **AMOLED Display:** A bright 1.2-inch AMOLED display with a scratch-resistant sapphire lens for clear visibility in various conditions.
- **Long Battery Life:** Up to 10 days in smartwatch mode and up to 30 hours in dive mode.

- **Health & Wellness Monitoring:** 24/7 wrist-based heart rate, advanced sleep monitoring, respiration tracking, and Pulse Ox.
- **Smart Features:** Smart notifications, music storage, and Garmin Pay™ contactless payments.



Watch-style dive computer features bright 1.2" AMOLED display and 200-meter dive-rated case.

Figure 1: The Garmin Descent Mk3i smartwatch displaying a detailed DiveView map with bathymetric depth contours, indicating underwater topography and dive sites. This feature aids in navigation and exploration.

2. Setup

2.1 What's in the Box

- Descent Mk3i – 43 mm (carbon gray DLC titanium with black silicone band)
- Black extra long adjustment strap
- USB-C to clip charging/data cable
- Documentation

2.2 Initial Device Setup

1. **Charge the Device:** Connect the USB-C to clip charging/data cable to the charging port on the back of your Descent Mk3i and a USB power source. Ensure the device is fully charged before first use.
2. **Power On:** Press and hold the LIGHT button (top left) to power on the device.
3. **Language Selection:** Follow the on-screen prompts to select your preferred language.
4. **Pair with Garmin Dive App:** Download the Garmin Dive app on your compatible smartphone. Open the

app and follow the instructions to pair your Descent Mk3i. This enables dive log syncing, smart notifications, and other connected features.

5. **Personalize Settings:** Customize your user profile, activity profiles, and display settings through the device menus or the Garmin Dive app.

Video 1: Official overview of the Garmin Descent Mk3 Series Dive Computer and Smartwatch. This video highlights key features and functionalities, providing a visual guide to the device's capabilities and design.

3. Operating Your Descent™ Mk3i

3.1 Dive Modes

The Descent™ Mk3i supports various dive modes to suit your activity:

- **Single-Gas & Multi-Gas:** For recreational and technical scuba diving with air, nitrox, and trimix.
- **CCR (Closed-Circuit Rebreather):** For rebreather diving.
- **Gauge:** For basic bottom time and depth tracking.
- **Apnea & Apnea Hunt:** For freediving activities.

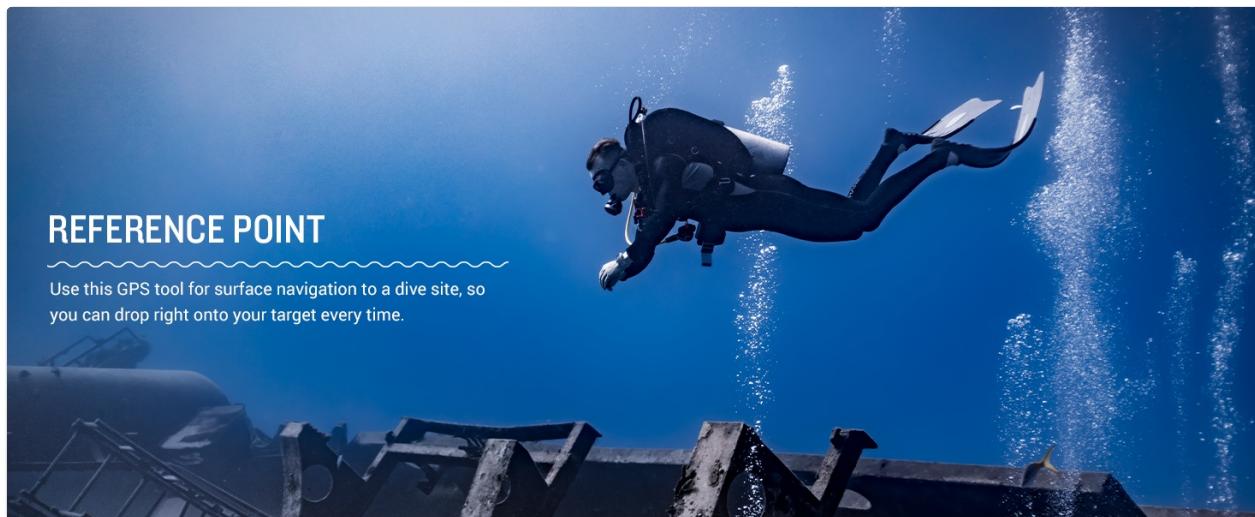


Figure 2: The Garmin Descent Mk3i displaying various dive mode options, allowing users to select the appropriate setting for their specific diving activity, from recreational to technical and freediving.

3.2 Air Integration & SubWave™ Sonar

When paired with a Descent™ T2 transceiver (sold separately), the Mk3i provides advanced air integration features:

- **Tank Pressure Monitoring:** Monitor tank pressure and depth for up to eight divers within a 10-meter range.
- **Diver-to-Diver Messaging:** Exchange preset messages with other divers up to 30 meters away (with software v.15.70 or later).



Get integrated tank pressure monitoring for up to 8 tanks, plus diver-to-diver messaging (available with software version 15.70 or later) using the SubWave sonar data network¹.

¹Additional equipment (sold separately) and device pairing required

Figure 3: The Garmin Descent Mk3i displaying integrated tank pressure monitoring for multiple divers and a diver-to-diver message, illustrating its advanced communication capabilities underwater.



Figure 4: A diver wearing the Garmin Descent Mk3i, highlighting the SubWave sonar networking feature that allows for diver-to-diver messaging and monitoring of multiple tanks.

3.3 Dive Readiness Tool

The innovative dive readiness tool analyzes your sleep, exercise, stress, and jet lag to provide a score indicating your body's overall preparedness for diving. This helps you make informed decisions about your dive plans.



The dive readiness feature uses your biometric data to help you gauge when you're best prepared to dive.

Figure 5: The Garmin Descent Mk3i displaying the Dive Readiness feature, which provides a personalized score to help assess physical and mental preparedness for diving based on various biometric data.

3.4 Navigation

The Descent™ Mk3i offers robust navigation capabilities:

- **Multi-band GPS:** For superior positional accuracy on the surface, allowing you to mark entry and exit points. (Note: GPS tracking does not work underwater).
- **ABC Sensors:** Includes an altimeter, barometer, and a 3-axis underwater compass for precise orientation.
- **DiveView™ Maps:** Preloaded color maps with bathymetric depth contours and over 4,000 dive sites to aid in underwater navigation and exploration.

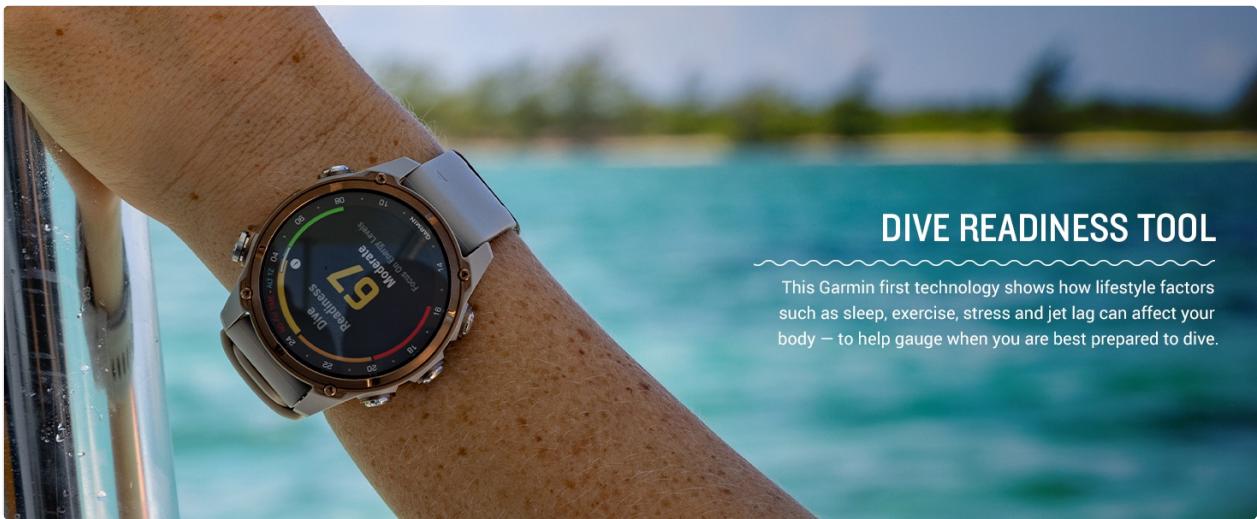


Figure 6: A diver utilizing the DiveView Maps feature on their Garmin Descent Mk3i, showcasing the watch's ability to display detailed underwater maps for enhanced navigation.

3.5 Garmin Dive App & Dive Log

Automatically sync your dive logs with the Garmin Dive app on your compatible smartphone. The app allows you to:

- Review and analyze dive data.
- Track your gear.
- Post photos and take notes.
- Share your adventures with others.



Figure 7: The Garmin Dive app on a smartphone, illustrating how dive logs from the Descent Mk3i are automatically synced and can be reviewed, tracked, and shared.

3.6 Battery Life

The Descent™ Mk3i offers extended battery performance:

- Up to 10 days in smartwatch mode.
- Up to 30 hours in dive mode.



Dive longer with up to 30 hours of battery life in dive mode; up to 10 days in smartwatch mode.

Figure 8: The Garmin Descent Mk3i displaying its battery status, highlighting the extended battery life that supports prolonged use in both dive and smartwatch modes.

3.7 Health & Wellness Monitoring

Beyond diving, the Mk3i provides comprehensive health tracking:

- **Wrist-based Heart Rate:** Continuous heart rate monitoring.
- **Advanced Sleep Monitoring:** Tracks sleep stages and quality.
- **Respiration Tracking:** Monitors breathing rate.
- **Pulse Ox:** Measures blood oxygen saturation (not available in all countries).

3.8 Smart Features

Stay connected with:

- **Smart Notifications:** Receive alerts for calls, texts, and app notifications from your compatible smartphone.
- **Music Storage:** Store and play music directly from your watch.
- **Garmin Pay™:** Make contactless payments.

4. Maintenance

4.1 Cleaning the Device

Regular cleaning helps maintain the device's performance and appearance:

1. After each dive, rinse the device thoroughly with fresh water.
2. Use a soft, lint-free cloth to wipe the device dry.
3. Avoid using harsh chemicals or abrasive materials that could damage the device.

4.2 Storage

When not in use, store your Descent™ Mk3i in a cool, dry place away from direct sunlight and extreme temperatures.

5. Troubleshooting

5.1 Device Not Responding

If the device is unresponsive, try restarting it. Press and hold the LIGHT button for 15 seconds until the device powers off. Then, press the LIGHT button again to power it back on.

5.2 GPS Signal Issues

Ensure you are in an open area with a clear view of the sky. GPS does not work underwater. For best results, allow the device to acquire a GPS signal on the surface before diving.

5.3 Pairing Problems

If you experience issues pairing with the Garmin Dive app, ensure Bluetooth is enabled on your smartphone and the device is in pairing mode. Try restarting both your phone and the Descent™ Mk3i.

6. Specifications

Feature	Detail
Product Dimensions	1.69 x 1.69 x 0.59 inches
Item Weight	2.41 ounces (68.3 Grams)
Item Model Number	010-02753-10
Batteries	1 Lithium Ion battery required (included)
OS	Proprietary Garmin OS
Connectivity Technologies	Bluetooth, USB
GPS	Built-in Multi-band GPS
Display Technology	AMOLED
Screen Size	1.2 Inches
Scanner Resolution	454 x 454
Color	Black
Manufacturer	Garmin
Date First Available	November 22, 2023

7. Warranty and Support

7.1 Limited Warranty

Garmin warrants this product to be free from defects in materials or workmanship for one year from the date of purchase. Within this period, Garmin will, at its sole option, repair or replace any components that fail in normal use. Such repairs or replacement will be made at no charge to the customer for parts or labor, provided that the customer shall be responsible for any transportation cost.

7.2 Customer Support

For technical support, product registration, or to access additional resources, please visit the official Garmin support website or contact Garmin customer service directly. You can find detailed contact information and FAQs on the Garmin website.

Online Support: Visit www.garmin.com/support

Product Registration: Register your device at www.garmin.com/register to receive updates and support.