**Descent Webinar Q & A**

**Descent Mk2 Series Questions**

|  |  |
| --- | --- |
| **Q: Do heart rate and pulse ox work underwater?** | **A:** Yes, heart rate does work under water as long as you wear the device directly on your skin and not over a wetsuit. Pulse ox does not currently work underwater. |
| **Q: Have you added deep stops to the Descent Mk2 Series?** | **A:** The use of “Deep Stops” in decompression is complicated and much debated. The Descent Mk2 (as with Mk1) allows the diver to influence the depth of their first deco stop by adjusting the Gradient Factors.  |
| **Q: At what depth do safety stops occur (feet and meters)- example, for a 15 feet safety stop, do you have to hit 15 feet or will it start at 18 feet, etc.** | **A:** If enabled, a safety stop will be triggered for a dive of at least 11m/35ft. When you ascent to within 1m/5ft of your stop ceiling (deco or safety) the countdown timer will begin counting down. Stay within 2m/8ft of the stop depth until the stop timer reaches zero.  |
| **Q: Is the charging clip for the Mk2/2i interchangeable with other Garmin watches that use a similar charging clip?** | **A:** No, the Descent Mk2/2i charging cable only works with the Descent Mk2 Series and is also compatible with the Descent Mk1 watches. It is not compatible with any other Garmin watches. |
| **Q: Are you planning to include Taravana and Haemoptysis prevention algorithms?** | **A:** We are evaluating ways to help improve free diving safety and are evaluating modern, proven strategies that would help provide relevant and actionable guidance to the diver.  |
| **Q: What type of screen does the Descent Mk2 series use versus the Descent Mk1 and the Shearwater Teric?** | **A:** Descent Mk2-series uses a 1.4” translative MIP display.  Garmin benefits are superior sunlight readability and much lower power consumption (longer battery life).  The Shearwater Teric uses a 1.39” AMOLED display.  Teric benefits are screen brightness when not in direct sunlight.  Note that in the water an in moderate light the Teric screen is bright and easy to read. See the following video for a comparison in direct sunlight  <https://youtu.be/VADBxjF8Zs8> |
| **Q: Can each gas option on the multi-gas dive mode be assigned its own P02?** | **A:** Today we have one PO2 governing switch depths across all enabled gases. The diver can change that PO2 setting in-dive. |
| **Q: Is there a user adjustable low value P02 for altitude dives?** | **A:** The Descent Mk2 takes into account starting pressure before the dive and will provide the diver with PO2 values based on actual pressures where they are diving. |
| **Q: Can I change the percentage of mix during the dive?** | **A:** Yes. |
| **Q: how can you customize the dive data screens?** | **A:** Press “Enter” from the watch face. Highlight the dive mode you wish to customize and hold the Up/Menu bottom. Next select “<Dive Mode> Settings” -> Data Screens. From there you’ll be able to customize available fields on the main dive page and add full custom pages. |
| **Q: Is there any new features/changes in Apnea diving mode?** | **A:** At the time of launch the apnea modes behave the same as our Mk1 product. We do have freediving improvements planned for Mk2 in the future through software updates. |
| **Q: Is it possible to adjust or change the data that is shown on the screen during Apnea modes?** | **A:** Not at this time. We are evaluating options to create more flexibility in our freediving experience. |
| **Q: Do you plan to have additional data fields available during a dive like average depth, ascent and descent speed?** | **A:** Yes, we’re working to add/extend our available dive fields to provide even greater flexibility. |
| **Q: Potential customers have asked how downloaded apps and widgets might interfere with diving functionality while underwater.**  | **A:** The Descent dive computers will not allow any other function except for diving to work while underwater. The customers is essentially “locked out” of using any other program or feature except the dive type they have selected and are in. |
| **Q: When would you want to use Gauge mode instead of single-gas or another dive profile?** | **A:** Anytime a diver doesn’t wish to use their Descent to track and manage tissue loading and get NLD/Decompression guidance. |
| **Q: Can the user control gradient factor and set it to whatever they want?** | **A:** Yes.  We provide presets for low, medium, and high conservatism, and a custom option which lets the user choose their own GF High and GF Low values. |
| **Q: I just purchased an Mk2, and when I set it up, I was asked for the last dive time. I entered what I had from my Mk1, but once I did that, the Mk2 also pulled the totals over from the Mk1 to sync. Is there a way to edit your last dive time?** | **A:** Yes, In the Garmin Dive App, go to “More,” Select “Garmin Devices,” select “User Settings” and from there you can adjust the Total Bottom Time |
| **Q: What algorithm do the watches use? Is it the same as the current Descent Mk1?** | **A:** The Descent Mk2-Series uses the Buhlmann-ZHL16c algorithm with Gradient Factors. This is the same algorithm that we used on the Descent Mk1. |
| **Q: Are you planning to make a version of the watch that better suits a female diver?** |  **A:** We don’t share our future product strategy.  We’re always looking for ways to make products that appeal to all divers. |
| **Q: You announced a lot of key above water upgrades for Descent Mk2 Series vs. the original Mk1.  There are also a lot of advanced features. For someone looking for the basics, what would you recommend?** | **A:** This is a great question. Bringing in features from our top of the line performance wearable, fēnix, can be a little overwhelming to your average dive customers. I would focus on the activity tracking, health and wellness features and smart features. The goal we had at Garmin was to create something that a user could see their full investment in, so rather than wearing it 4 weeks out of the year, they can wear it all year round and take off that pesky little Apple Watch they spent an additional $300-$400 on. Focus on the sleep, daily steps and calories, tracking your different strength training and run activities, all day heart rate and getting all your smart notifications right on your wrist. |
| **Q: How does Garmin Pay work?** | **A:** Garmin Pay allows you to add your credit or debit cards to your wallet in Garmin Connect that then syncs to your watch. It is secure, and you will have to type in a passcode on the watch before you can use it in the store. Once you have added a card to your wallet and synced with the watch, you simply go to the store, checkout, and any place that accepts Apple Pay and payments through your phone allows you to also pay with your watch – by simply holding the watch up to the reader. |

**Descent Mk2i Questions**

|  |  |
| --- | --- |
| **Q: When will the transmitter be available for purchase and can we pre-order it?** | **A:** The transmitter will become available in December in limited quantities. As we continue to ramp up production, we expect to have more in the channel by Q1 of 2021. |
| **Q: Will the Descent Mk2i work with other brand’s transmitters or do I have to buy a Descent T1?**  | **A:** No.  The Mk2i is only compatible with the T1 transmitter. The Mk2i uses ANT wireless protocol on the surface and SubWave sonar protocol underwater.   |

**Descent T1 Questions**

|  |  |
| --- | --- |
| **Q: Can I switch T1 transmitters between tanks while underwater?** | **A:** No. The T1 is attached to the high-pressure port on your regulator. Moving the T1 to another tank underwater would require removing it from the regulator or moving the regulator from one tank to another. Both of these processes are highly unadvisable underwater due to safety and equipment damage considerations. |
| **Q: Does the T1 warn you when the battery is almost empty?** | **A:** Yes. You’ll be alerted as you get to warning and critical levels of battery remaining. |
| **Q: Is the Air Time Remaining including safety stop, or only the Air Time Remaining to reach a programmed reserve at depth?** | **A:** ATR does not include a safety stop time. It is the shortest time you may remain at the current depth until an ascent at 9 m/min. (30 ft./m) would result in surfacing with the reserve pressure. |
| **Q: If all five divers all have Descent Mk2i devices and T1 transmitters, can all five divers see the pressure for each other?** | **A:** Yes. All five transmitters would be visible for all five divers. From the air integration page press “enter” to see the list of divers and their tank pressures. |
| **Q: What are the sizes of the o-rings that are installed on the unit (battery compartment and threaded interface)** | **A:** The user-replaceable O-rings on the T1 are:HP Fitting:* #2 (Standard HP port O-ring)

Battery cap:* Inner (red) - 19mm x 1.4mm
* Outer (black) - 19mm x 1.6mm

Flow restrictor:* Two 3.3mm x 1mm

Air Spool* Large(Hose) Side - 4.5mm x 1.5mm
* Small Side - 3.3mm x 1mm
 |
| **Q: Will this be considered Oxygen ready/compatible?** | **A:** The T1 can be used with up to 40% oxygen. *Note that this is standard with most transmitters on the market.* |

**Garmin Dive App Questions**

|  |  |
| --- | --- |
| **Q: Does the Descent Mk1 work with the Garmin Dive App?** | **A: Y**es, the Descent Mk1 is fully compatible with the Garmin Dive App**.** |
| **Q: Is there a way on the Garmin Dive App where users can share dive sites with other users?** | **A:** This feature is not currently available. It is within the scope to be included at a future date, but no official timeline has been given. |
| **Q: Will the Garmin Dive App be able to upload our previous dives from other (non-Garmin) computer logs?** | **A:** This feature is not currently available. |
| **Q: In the future, will the Garmin Dive App integrate with SSI online logbooks?** | **A:** Garmin has had discussions with select 3rd party dive certifications centers and is actively pursuing the ability to integrate with other online logbooks such as SSI. |
| **Q: Is it possible to connect the Descent Mk2/2i watches to both Garmin Connect and to the Garmin Dive App at the same time?** | **A:** Yes. If you pair the watch in both apps, they should stay connected. |