



# DG100 DIGITAL DEPTH GAUGE AND TIMER QUICK START SHEET

This quick start sheet is an overview to operational functions of the DG100 digital depth gauge and timer. For comprehensive instructions, warranty information and other aspects to the usage and care of the DG100, please download the operations manual (P/N: 102-17000) from our website, [www.rjeint.com](http://www.rjeint.com), or contact us for support.

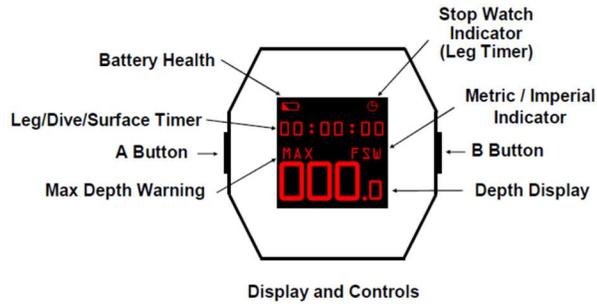
The DG100 is a digital depth gauge that measures and displays depth accurately from 0 to 330ft (0-100m). The depth resolution of the gauge is 0.1ft when set for feet of seawater or 0.1m when set for meters of seawater. A max depth indicator illuminates when the DG100 exceeds a preprogrammed max depth. The internal timer automatically tracks dive time and surface interval. The stopwatch feature allows tracking of leg times and is independent of dive or surface timer mode. Anytime during the use of the DG100, the diver can recall their deepest excursion on the display.

Depth and timer readings are provided to the diver on a large red OLED display that has three user adjustable brightness settings. Depth readings are displayed on the bottom of the screen. Dive, Leg and Surface Time are displayed on the top of the screen. All functions of the DG100 are controlled by buttons on each side of the depth gauge.

Buttons are operated in two modes: short press or long press. Short press is defined as less than 1 second. A long press is defined as lasting 2 seconds or more.

### Display Abbreviations used on the DG100 Display:

- MAX = Maximum Depth
- FSW = Feet of Sea Water
- MSW = Meters of Sea Water
- ft = feet
- m = meter



### Operations Menu Function

Long pressing the “A” Button accesses the “Operations Menu” which allows the user to set surface brightness levels, set the maximum depth alarm, and select between imperial (feet) or metric (meters) for depth measurement. When in the “Operations Menu”, short press the “A” Button to scroll through the menu options and short press the “B” Button to change the setting. **NOTE: The “Operations Menu” can be accessed only from “Surface Mode”.**

#### Function Descriptions:

- Surface Brightness Settings: Low, Med, and High display settings.
- MAX Depth Alarm: Set from 3 – 330 feet in 3 foot increments or 1– 100 meters in 1 meter increments. Pressing and holding the “B” Button allows the user to fast scroll to select depth.
- Meter/Feet: Setting the gauge to read in Feet or Meters.
- Exit Menu: Selecting “Exit Menu” returns the gauge to “Surface Mode”.



OPERATIONS MENU

### Dive Mode

When on the surface short press any button to activate the DG100. It will default to “Surface Mode” to allow the operator to verify battery life and, if necessary, set Max Depth alarm. The gauge will enter “Dive Mode” automatically once immersed to a minimum depth of 3 feet (1 meter). Once activated in “Dive Mode” the unit will display depth in real time and track the length of the dive.

#### Function Descriptions:

- Display Brightness: Short Press “A” Button to adjust display, low-medium-high.
- Display Maximum Depth of Dive: Short press “B” Button during the dive to display the maximum depth obtained during the dive.
- Stopwatch Mode: Short press “A” and “B” Buttons together to access the Stopwatch Mode.
- Maximum Depth Alarm: The MAX Depth indicator will illuminate once the DG100 exceeds the programed MAX depth.
- Surface Mode: The DG100 will enter “Surface Mode” once the unit is less than 3ft (1m) from the surface for more than 1 minute. Once in “Surface Mode”, the unit tracks surface time for up to 24 hours. The surface time will reset on the next dive.



DIVE MODE



DIVE MODE  
MAX DEPTH  
ACTIVATED





**Surface Mode**

When activated on the surface by short pushing any button, the gauge will display Battery Health, Timer, Imperial/Metric Indicator and Depth. The operations menu is accessed from "Surface Mode" by long pressing the "A" Button. When the DG100 enters "Surface Mode" from the end of a dive, the surface timer is activated and will track surface interval time for up to 24 hours. If the MAX depth setting is exceeded, "MAX" will be displayed on the gauge and will not reset until the next dive. To access the dive time and maximum depth of the last dive from memory, long press the "B" Button.



SURFACE MODE

**Stopwatch Mode**

When in "Surface Mode" or "Dive Mode" the user can access "Stopwatch Mode" by pressing the "A" Button and "B" Button together. When activated, a clock symbol will appear in the upper right corner of the display. The stopwatch functions independently from the dive and surface timers and can be used as a leg timer.



STOPWATCH MODE

Function Descriptions:

- Start and Pause stopwatch: Short press the "B" Button.
- Reset stopwatch: Short press the "A" Button.
- Return to "Dive Mode" timer or "Surface Mode": Press the "A" Button and "B" Button together.

**Hibernation Mode**

Once the DG100 is on the surface for 1 minute, the unit enters "Hibernation Mode" and shuts down. Please note the unit is not powered off but hibernating. To activate the unit and enter "Surface Mode", short press either the "A" or "B" Button.

**Battery Charging**

The DG100 comes with a rechargeable Lithium Ion battery that, when fully charged, provides up to 16 hours of continuous use. The battery can be charged over 300 times to provide over 4,800 hours of dive time. Upon activation, the battery health indicator, which looks like a battery, is displayed on the top-left corner of the display. When fully charged the battery icon will appear solid, or full.



Empty 25% 50% 75% Full  
BATTERY HEALTH INDICATOR

**NOTE:** Always check battery health before diving. It is recommended that the battery be fully charged before every use.

Open the supplied charging cradle by lifting the cradle top to separate the magnetic latch. Connect charging cradle to the DG100 by placing the DG100 in the charging cradle aligning the contacts on the cradle to contacts on the back of the DG100. Lower the cradle top onto the DG100 until the magnets latch and hold the cradle to the DG100. Plug the USB end of the charging cable into the connector on the supplied power adapter and plug the power adapter into an AC outlet. The battery health indicator will begin flashing on and off. The DG100 will charge to 90% in 2 to 3 hours and to 100% in 12 hours. Once the unit has completed charging, remove the charging cable from the DG100. After charging, short press the "A" Button to update the battery health display.



**WARNING:** TO FULLY UNDERSTAND THE USE OF THE DG100, DOWNLOAD AND READ THE MANUAL (WWW.RJEINT.COM)

**WARNING:** The DG100 default setting is to measure depth in feet (Imperial). To display depth in meters (Metric), please follow instructions under "Operations Menu Function". Ensure that you are aware of the DG100 depth setting, **feet or meters**, before diving.

**WARNING:** Diving is a dangerous and potentially life threatening activity. The DG100 digital depth gauge must be used by a person who is certified by a recognized agency (PADI, NAUI, SSI, NASDS, YMCA, etc.). Improper use or misuse of the DG100 could result in serious injury or death. Do not use the DG100 until you have read and fully understand instructions and safety precautions in the operations manual.

**WARNING:** Insure that the battery charge contacts on the back of the unit are completely dry before connecting the charging cable to the DG100 to prevent corrosion on the pins.

