HALCYON™ SYMBIOS

HANDSET & HUD MENU TREE

Press and hold button A to enter the menu

Once in the menu
Press and release button A to navigate up in the menu
Press and release button B to navigate down in the menu
Press and hold button A to perform the function indicated in the top row of the screen
Press and hold button B to perform the function indicated in the bottom row of the screen

Note: This presentation is based upon surface mode. While diving the menu can vary slightly to reduce complication.

Quick Tips – Using the Dive Computer

Menu Navigation & Alarms
While diving, press and hold both Buttons A and B simultaneously to cancel active warnings or alarms

Custom Function Button (Button B)
Button B can be configured in the SYSTEM → CUSTOM FUNC menu
Available options: Best Gas, Stopwatch, Waypoint, or set to OFF

Setting Gas Switch
When operating in CCR FSP mode, Button B is automatically assigned to toggle between High Setpoint, Low Setpoint, and Bailout

- **STOP WATCH**
  Start/reset to stop watch
- **RESET ∅ DEPTH**
  Reset the average depth
- **GAS SELECT**
  Select a gas from the gas table
- **CCR BAILOUT**
  Only visible in FSP and CCR (when paired)
  - **AUTO**
    Automatic switch between Bailout and Closed Circuit mode only available if the CCR has an automatic SOLCC sensor
  - **CC**
    Closed Circuit mode (overrides auto setting)
  - **BAILOUT/OC MODE**
    Bailout/OC Mode (overrides automatic setting)
- **CCR SETPOINT**
  Only available in menu while in CCR FSP Mode
  - **SETPOINT 1.2 HIGH**
    Select or edit high PO2 setpoint when diving in CCR FSP mode
  - **SETPOINT 0.7 LOW**
    Select or edit low PO2 setpoint when diving in CCR FSP mode
- **HEADING**
  Select or edit up to 2 headings
- **WAYPOINT**
  Select or save up to 64 waypoints
  This function requires a GPS signal
- **TRAINING**
  Only available in OC/CM mode
  - **PROFILES RESET**
    Only available when a profile is selected
  - **TRAINING PROFILES 1-8**
- **SETTINGS**
  - **DIVE MODE**
    - **OC**
      Open Circuit diving mode
    - **CCR**
      Closed Circuit Rebreather diving mode
      Use FSP mode for CCR only connected Rebreather
      Use FSP mode for non-connected Rebreather
    - **SCR TX CSF**
      Closed Circuit Rebreather diving mode with Fixed Setpoint
    - **SETPOINT**
      Setpoint diving
    - **BOTTOM timer**
      Bottom timer mode
      In this mode, no deco calculations are carried out while diving with the bottom timer mode. other dive modes cannot be enabled for a period of 24h
  - **EDIT GASES – MODIFY**
    - **EDIT**
      Allows to edit the O2 and He fraction of one gas
    - **ENABLE/DISABLE**
      Enabled gases are available for quick selection and used to calculate decompression obligation.
    - **RESET**
      Allows to select a gas from the pre-programmed gas library
  - **GFL/GFH**
    Set gradient factor high and low
    The default is 40/80
  - **OC PO2 DECO**
    Used to suggest the best gas available for decompr. The dive gas with the highest PO2 among enabled gases
  - **OC PO2 BOTT**
    Maximum allowed oxygen partial pressure for MOD calculation of the bottom gas
    Bottom gas is defined as the gas with the highest oxygen fraction within the enabled gases for the dive
  - **CCR SETTINGS**
    - **SCRUBBER**
      - **TIMER**
        Shows the remaining scrubber time in min and allows to reset the timer
      - **ENABLE/DISABLE**
        Enables or disables the scrubber timer
      - **TIMER MAX**
        Sets the max allowable use time of the scrubber
    - **PO2 SENSOR**
      Only available with connected CCR
      Enabling or disable O2 sensors to include/exclude them from deco calculations
  - **TRIM SENSOR**
    Only showing when a trim sensor has been paired
    - **CALIBRATE**
      - **HORIZONTAL**
        This function requires that the dive computer is paired with a combined tank pressure/trim sensor and that the sensor is pressurized bring the diving tank into a horizontal position, where the divers tank(s) is/are lying horizontally on the back use this menu item to perform then a horizontal calibration of the trim sensor
      - **VERTICAL**
        This function requires that the dive computer is paired with a combined tank pressure/trim sensor and that the sensor is pressurized bring the diving tank into a vertical position, where the divers tank(s) is/are standing vertically with the tank valves up use this menu item to perform then a vertical calibration of the trim sensor
    - **GFL/GFH**
      Allows the diver to select or modify the Gradient Factor Low and Gradient Factor High. The default setting is 40/80
  - **PAIRING**
    - **TANK POD**
      - **TO GAS**
        Pair a tank pod with a gas setting in the gas table
      - **TO NUMBER**
        Pair a tank pod to T1, T2, T3 or T4 (independent of the gases in the gas table)
    - **CCR INTERFACE**
      Pair a CCR interface
    - **GPS**
      Pair a GPS buoy
    - **TRIM SENSOR**
      Pair a trim sensor
    - **PDV**
      Pair a Diver Propulsion Vehicle
    - **GAS ANALYZER**
      Pair a Gas Analyzer
- **LOGBOOK**
  This sub menu contains all previous dives
  Each dive can be selected to display dive relevant information including the depth and temperature profile or the pO2 sensor readings in CCR mode
- **SYSTEM**
  - **COMP CAL**
    Calibration of the internal compass
    Activate this menu item and move then the computer in a figure 8 in front of you
  - **COMP DECLIN.**
    Setting of the compass declination
  - **BRIGHTNESS**
    Display brightness, default setting is 5
  - **TIME**
    Set time
  - **DATE**
    Set date
  - **UTC**
    Set UTC time zone
  - **SAFETY STOP**
    Activate/disable safety stop
    If enabled, all each dive with a maximum depth >10m/30ft, the diver will be prompted to do a 3 min safety stop at a depth between 3 and 6m
  - **LAST STOP**
    Allows user to set last stop at 3m or 6m
  - **VIB ALARM**
    Enable/disable vibration alarms
  - **LANGUAGE**
    Language setting
  - **UNITS**
    Metric/imperial units
  - **DENSITY**
    - **EN13319**
      Depth calculation is based on EN13319, where 1 bar pressure increase equals to 10m
    - **SEA WATER**
    - **FRESH WATER**
  - **STYLE**
    - **CLASSIC**
    - **MODERN**
  - **SLEEP TIMEOUT**
    Time after which the dive computer switches into sleep
  - **DIVE TIMEOUT**
    Time after which the dive computer switches from dive mode into surface mode
  - **ORIENTATION**
    Orientation of the Handset on left or right hand. Left buttons are on top the diver's hand
  - **WIRELESS SCRN.**
    - **OFF**
    - **ADDITIONAL**
      Enables a wireless screen, which shows information from all transmitters in close vicinity, that are NOT paired with the dive computer. This is the preferred setting, if you want to monitor for instance the tank pressure of your buddy
    - **ALL**
      Enables a wireless screen, which shows information from all transmitters in close vicinity.
  - **BUDDY SCREEN**
    Provides access to buddy's wireless data transmission
  - **DECO SCRN**
    Enable or disable a deco screen, which show additional deco information including ceiling, deco stops, current gradient factor and surface gradient factor
  - **DEPTH CHART**
    Provides graphical representation of dive profile
  - **TRAINING**
    Enable or disable the training simulation function, which allows users to create and perform simulated decompression stops
  - **CUSTOM FUNC**
    Setting of the default function: or "Press and hold the button B"
    - **BEST GAS**
      Press and hold the button B is used to confirm the suggested gas switch
    - **STOP WATCH**
      Press and hold the button B is used to start/reset the stop watch
    - **WAYPOINT**
      Press and hold the button B is used to save a waypoint
      This requires reception of a gps signal
    - **OFF**
  - **CF DEFAULT**
    Enable/disable the default which governs the screen that will be present 30s after viewing other screens
    - **NO/DEFAULT**
      Setting no default will maintain the selection and not return to any particular screen
    - **ACTIVE GAS**
      Custom field will return to active gas as the default after 30s
    - **T1**
      Custom field will return to T1 as the default after 30s
    - **T2**
      Custom field will return to T2 as the default after 30s
    - **T3**
      Custom field will return to T3 as the default after 30s
    - **T4**
      Custom field will return to T4 as the default after 30s
  - **CF CONTENT**
    Enable/disable the items for the custom field (lower left field on the left side)
    - **AVERAGE DEPTH**
      Deactivated
    - **BATTERY SOC**
      State of charge of the inbuilt battery
    - **CNS**
      CNS O2 accumulation
    - **TEMPERATURE**
    - **ASCENT SPEED**
    - **HEADING**
    - **PO2**
      Only in bottom timer mode
      Current PO2 of gas being used
    - **GF NOW**
      Current gradient factor
    - **GF SURFACE**
      Hypothetical gradient factor if one would surface at this point of the dive
    - **GAS DENSITY**
      Density of active gas being breathed
    - **CCR FO2**
      Available in FSP and CCR mode
    - **RTLIME GAS**
      Only available in CCR mode
    - **CCR SETPOINT**
      Only available in CCR mode
      Present by default in FSP
    - **CEILING**
      Decompression ceiling
    - **TTS +5**
      Total time to surface after 5min at current depth
    - **TANK SOC**
      State of charge for connected light
    - **TANK RRT**
      Remaining run time of connected light
    - **SAC**
      Surface Gas Consumption
      Not present in CCR mode
    - **RGT**
      Remaining Gas Time
      Not present in CCR mode
    - **BUDDY GAS**
      Gas reading of nearby transmitter
    - **CCR FO2**
      O2 fraction of the breathing gas in the loop
    - **TIME**
  - **CCR DIAGNOSTIC**
    Only available in CCR mode while paired with a rebreather
  - **SYSTEM INFO**
    - **SERIAL ID**
      Serial number of your Symbios Handset
    - **FIRMWARE**
      Firmware number of your Symbios Handset
    - **BUILD DATE**
      Build date of the firmware of your Symbios Handset
    - **BT CODE**
      6 digits BT code of your Symbios Handset
    - **RESET COMPTS**
      Can be used to reset the compartments of your Symbios Handset.
      Press and hold both buttons for 5s to confirm
    - **RESET SETTINGS**
      Can be used to reset the settings of your Symbios Handset.
      Press and hold both buttons for 5 s to confirm
    - **DIAGNOSTIC**
      Information about your Symbios components