

## RELEASE NOTES FOR FIRMWARE VERSION 2.42 / 1.93

### M28 CHANGES

- The dive modes Setpoint and CPOD replace the CCR dive mode to increase clarity.
- A new center view for SE7EN onboard gas supply has been added.
- A new center view with compass heading has been added as a complement to the gyro view.
- When a SE7EN is connected to the M28, the M28 gas configuration is automatically updated with the SE7EN gas configuration.
- The M28 monitoring of disconnection and reconnection of SE7EN and other devices has been reworked, including related alarms.
- Setpoint deviation alarm is implemented for CPOD.
- M28 automatically raises the low ppO<sub>2</sub> limit used with CPOD from 0.16 bar to 0.27 bar at dive start or when continuously exposed to ppO<sub>2</sub> > 0.25 bar.
- The Planner has been reworked to follow the current dive mode and settings. The intention is to simplify the Planner and target it towards scenarios where you make a quick check just before starting your dive or when you want to check how a repetitive dive can be made. The Reef app can be used for more advanced planning when considering different scenarios etc.
- Surface interval and RMV (Respiratory Minute Volume) have been added to the Planner. The M28 automatically updates RMV with the RMV setting in SE7EN when a SE7EN is connected.
- When M28 detects that SE7EN is disconnected, dive mode is changed to Setpoint if the last known mouthpiece position was OC. If SE7EN is configured with deco enable off, the M28 always activates Bailout mode automatically when SE7EN is disconnected.
- New power down procedure for SE7EN used with M28. When the oxygen and diluent valves have been closed and the diluent gas has been purged, "Power down SE7EN" can be selected from the M28 menu. SE7EN will then purge oxygen and power down without activation of disconnection alarms on the M28.



## POSEIDON DIVING SYSTEMS

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- Problems with spontaneous SE7EN power on after powering down SE7EN from M28 have been resolved.
- M28 clock function problems have been resolved.
- Problems with false quiescent current check failure in PDT #16 have been resolved.

**Notice:** M28 settings will be reset to default values after firmware update.

**Applicable user manual version:** M28 User Manual ver 2.1.

## SE7EN CHANGES

- The sound sequence used to request change of mouthpiece position during pre-dive tests is only played shortly. It will however be played again if the mouthpiece position has not been changed and the test approaches its timeout.

**Applicable user manual version:** SE7EN User Manual ver 2.2.



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