





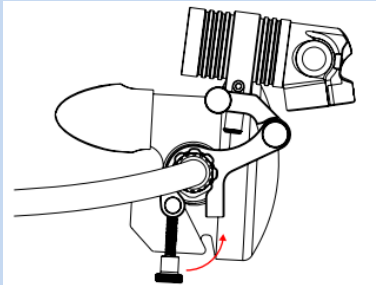
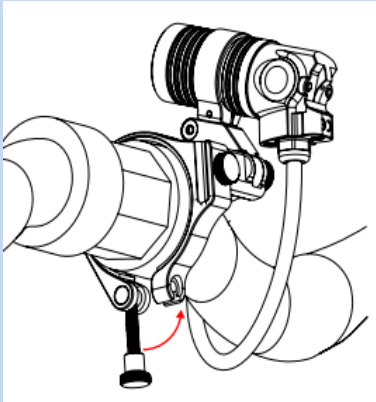
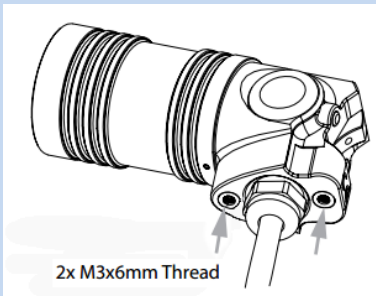
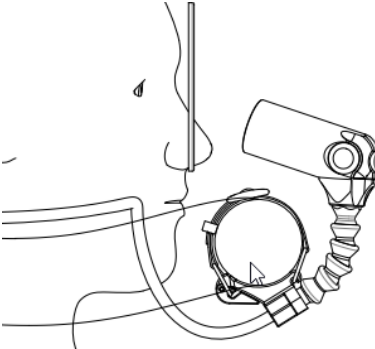



NERD 2 – What has changed from the NERD 1?

Feature	NERD 2	NERD 1
Launch Date	August 2017	March 2014
Design	<p>Everything contained in a compact eyepiece.</p>  <p>(Stand Alone model shown - rebreather models include a cable connection to a rebreather)</p> <p>No external box means more flexible mounting options.</p>	<p>Eyepiece with cable connecting to a separate housing for electronics and battery.</p> 
Stand Alone model (for Open Circuit diving)	 <p>With no external cable, the Stand Alone model can be mounted to an open circuit regulator.</p>	Not available.
Fischer Model (for rebreather PPO2 monitoring)	<p>Available.</p> <p>Fischer connector socket located on cable stub.</p>	<p>Available.</p> <p>Fischer connector socket located on electronics/battery housing.</p>
DiveCAN Model (for rebreathers with DiveCAN)	<p>Available.</p> <p>DiveCAN connector located on cable stub.</p>	<p>Available.</p> <p>DiveCAN connector cable stub extends from the electronics/battery housing.</p>
Wireless Air Integration	 <p>Included with all models.</p> <p>For monitoring HP tank pressure. Uses same transmitters as Perdix AI. Can use 1 or 2 transmitters.</p>	Not available.



NERD 2 – What has changed from the NERD 1?

Feature	NERD 2	NERD 1
<p>Mounting Options</p>	<p>Stand Alone model ships with an OC regulator mount.</p>  <p>Fischer and DiveCAN models ship with a CC mouthpiece mount.</p>  <p>Also, the same two-hole screw mounting configuration as the NERD 1 is retained (e.g. rEvo and JJ mounts).</p>  <p>2x M3x6mm Thread</p> <p>The Loc-Line mount is no longer available.</p>	<p>A Loc-Line mount with a flexible nylon rebreather mouthpiece loop strap was included.</p>  <p>Alternate mounting was possible using two screw holes (e.g. rEvo and JJ mounts).</p> 



NERD 2 – What has changed from the NERD 1?

Feature	NERD 2	NERD 1
Battery Type	Internal rechargeable Lithium-Ion battery	User replaceable AA size. Can use multiple types such as alkaline, rechargeable li-ion, and lithium primary.
Battery Operating Time	<ul style="list-style-type: none"> • 22 hours (cave brightness) • 20 hours (low brightness) • 18 hours (medium brightness) • 16 hours (high brightness) <p>Values above at 22°C (worst case is 15 hours, high brightness at -5°C)</p> <p>Each NERD 2 ships with a compact rechargeable power bank that provides 5 full recharges, for about 100 hours of total operating time.</p> <p>NERD 2 charger clip connects to a USB micro-B cable. Almost any cell phone charger or USB port can be used to charge the NERD 2.</p>	<p>Varies depending on battery type and brightness.</p> <p>30 hours on medium brightness with alkaline battery.</p>
Battery Lifetime	<p>500 charge cycles or 5 years.</p> <p>Battery can be replaced at authorized Shearwater service center.</p>	N/A
Display Image Size	<p>Screen appears as if looking at a 0.64 m (diagonal) TV screen from a distance of 3.5 m. Or, in imperial units, a 25" TV from 12 ft.</p> <p>The NERD 2 image is approximately 70% the size of the NERD 1 image.</p> <p>While smaller, the benefit of this is easier viewing due to improved tolerance to tilt and shift.</p>	<p>Screen appears as if looking at a 0.89 m (diagonal) TV screen from a distance of 3.5 m. Or, in imperial units, a 35" TV from 12 ft.</p>
Bluetooth Connectivity	<p>Bluetooth Smart (aka Bluetooth Low-Energy, BLE, or Bluetooth 4).</p> <p>Allows connection to Cloud Mobile (iOS and Android), and Desktop (PC and Mac).</p>	<p>Bluetooth Classic (aka Bluetooth 2.0).</p> <p>Cannot connect to Shearwater Cloud Mobile (iOS and Android). Desktop connection only.</p>