



OWNER'S MANUAL

**OCEANREEF**<sup>®</sup>  
connecting divers

**ALPHA-PRO X-DIVERS**



## **ALPHA-PRO X-DIVER user guide**

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## WARNINGS, CAUTIONS, NOTES

Pay special attention when accompanied by these symbols:



A **WARNING** indicates a procedure or situation that, if not avoided, could result in serious injury or death to the user.



A **CAUTION** indicates any situation or technique that could cause damage to the product, and could subsequently result in injury to the user.



A **NOTE** is used to emphasize important points, tips, and reminders.

## INTRODUCTION

The ALPHA-PRO X-DIVERS is an hardwired, full-duplex underwater communication system for conversations between the surface and one or two divers.

It is an upgraded version of the ALPHA-PRO standard with powered volume for both diver and surface. Moreover the volume of the underwater unit can be adjusted from the surface unit to allow the divers to have the best comfort during the dive.



## COMPONENTS

The system consists of the following items:

**Surface unit (if sold separately code OR033133)**



1. 2 ports for 2 communication cables
  2. On/off and volume adjustment switch
  3. Microphone
  4. Switch for communication between surface & diver 1, surface & diver 2, surface & diver 1 & diver 2
  5. Headset port (headset optional)
  6. Battery charger, external power & audio out port (cables optional)
  7. Underwater unit volume adjustment (for both divers)
  8. Incorporated speaker
- Battery charger 12v
  - Audio/video recall
  - 12v rechargeable battery
  - Stand-by autonomy: 24h



**Professional surface/diver cable (50meters -165 ft long) (if sold separately code OR033134)**



6 pin cable with yellow rope exterior. The cable's diameter is 10mm with a resistance of more than 4000 Newton. The cable includes waterproof rubber 6 pin connector at the diver side and DIN connector on the surface side.

The Professional cable is also available at any length on request.

A carry-bag is available with the cable and sold separately as an accessory.



4000 N is the tear up strength, audio signal may be lost earlier!



It is fundamental to pay attention that the cable does not get stuck on the boat or on the seafloor. It is also very important to keep the cable slightly buoyant, by attaching a small buoy or floating device to the cable a few feet away from the underwater unit. It is a good idea to connect the cable with a hook or retractor to the BC jacket, avoiding any traction between the surface and the underwater unit. During the dive the surface operator must slowly feed the cable out to the underwater diver as needed, while keeping voice contact. It is not advised to simply throw the cable into the water. The same procedure should be used when the dive is completed and the cable has to be brought on board.

**Underwater unit (if sold separately  
code OR033135)**



- Waterproof piezoelectric speaker
- D-Mic microphone
- Full-duplex system
- Audio/video recall button
- 6 pin waterproof connector
- NACS support system



The connector between the cable and the underwater unit can be disconnected and connected again underwater



The serial number on the Surface unit is located on the top inside cover of the case.  
The serial number on the underwater unit is located inside the battery housing.



## POSSIBLE INTERACTIONS:

By adding an additional surface/diver cable and underwater unit, the Alpha Pro X-DIVERS may communicate with two divers at the same time. It is also possible for the surface to switch between each of the divers.

### DIVER 1 SELECTED

	<b>Receive from</b>	<b>Talk to</b>
<b>Surface</b>	Diver 1 & 2	Diver 1
<b>Diver 1</b>	Diver 2 & Surface	Surface
<b>Diver 2</b>	None	Diver 1 & Surface

### DIVER 2 SELECTED

	<b>Receive from</b>	<b>Talk to</b>
<b>Surface</b>	Diver 1 & 2	Diver 2
<b>Diver 1</b>	none	Diver 2 & Surface
<b>Diver 2</b>	Diver 1 & Surface	Surface

### DIVER 1&2 SELECTED

	<b>Receive from</b>	<b>Talk to</b>
<b>Surface</b>	Diver 1 & 2	Diver 1 & 2
<b>Diver 1</b>	Diver 2 & Surface	Diver 2 & Surface
<b>Diver 2</b>	Diver 1 & Surface	Diver 1 & Surface

## ALPHA-PRO X-DIVERS POSSIBLE CONFIGURATIONS

The 6 pin connector of the X-DIVER cable makes it possible to connect different underwater unit to surface unit:

1. X-DIVER underwater unit
2. GSM CUBE<sup>3</sup>
3. MHA-2 trough the GC2008 adapter



You can choose the underwater unit you like, connect and disconnect it underwater, and use different kinds of them at the same time in the two diver ports.



Don't try to use the GC2008 adapter to connect the X-DIVER underwater unit or the GSM-CUBE<sup>3</sup> to the cable!!



Be careful about the correct alignment of the GC2008 adapter (see GC2008 folder)

## TROUBLESHOOTING

Problem	Probable cause	What to do
The unit does not turn on	Low battery	Recharge the batteries
The underwater unit does not receive	Power turned off	Turn on the surface unit
	Flooded underwater unit	Return to surface, rinse in fresh water and send to Neptune service center
	The surface diver cable is not attached to the surface unit	Check the surface unit jack connection
Surface is not receiving	Volume too low	Raise volume on the surface audio and check the power
	Power turned off	Turn on the surface unit
	Flooded microphone on underwater unit	Return to surface, rinse in fresh water, replace mic
	Underwater unit not working	Return to surface, rinse in fresh water and send to Neptune service center
Whistle Noise	Defect in the alarm system	Return to surface, rinse in fresh water and send to Neptune service center
Alarm system not working	Defect in the underwater unit button	Return to surface, rinse in fresh water and send to Neptune service center
	Defect in surface unit alarm system	Return to surface and send to Neptune service center

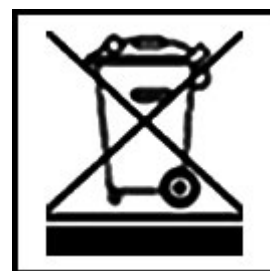
## WARRANTY

(1) OCEAN REEF communication units are guaranteed to be free of material or manufacturing defects for a period of 24 months from the time the unit is purchased. For the duration of the guarantee, the Company's responsibility is limited to replacement of any parts that are defective in our opinion, and that have not been used incorrectly or handled negligently. The unit must be returned to the outlet from which it was bought, along with the warranty card. The cost of transport is to be prepaid by the customer.

(2) Even during the guarantee period, this guarantee shall not be valid where:

- Damage was caused by incorrect handling or carelessness.
- Damage was caused by the unit falling after it was purchased.
- Damage caused by fire, earthquake, floods, lightning, or other natural disasters, pollution or electrical charges.
- The warranty card is not produced.
- Our name, the date of purchase, and the seller's name do not appear on the warranty card.

(3) Additional warranty cards cannot be issued. Keep your certificate in a safe place where it cannot be lost.











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