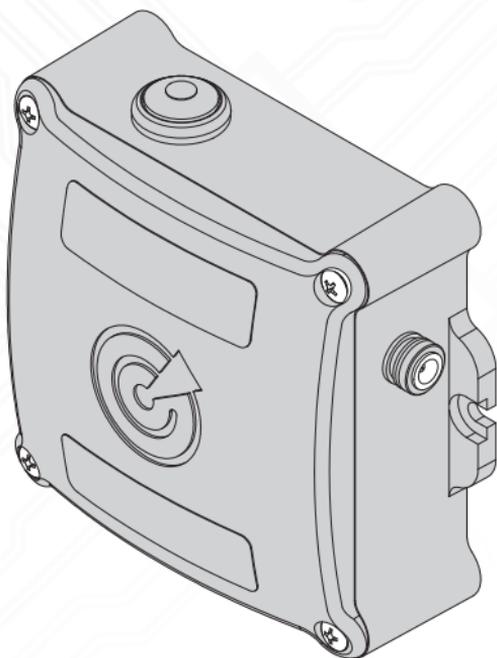




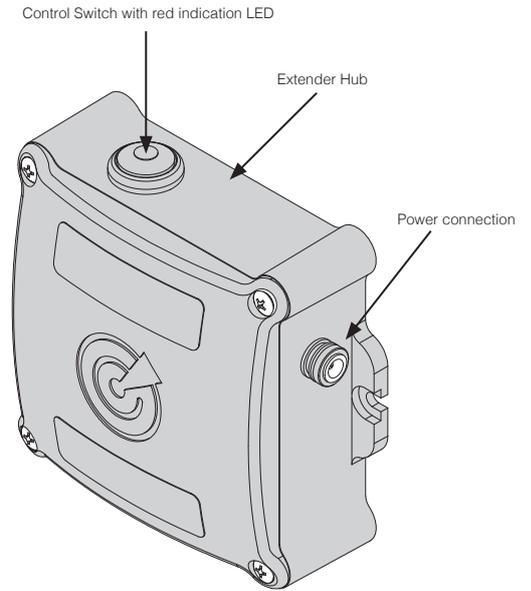
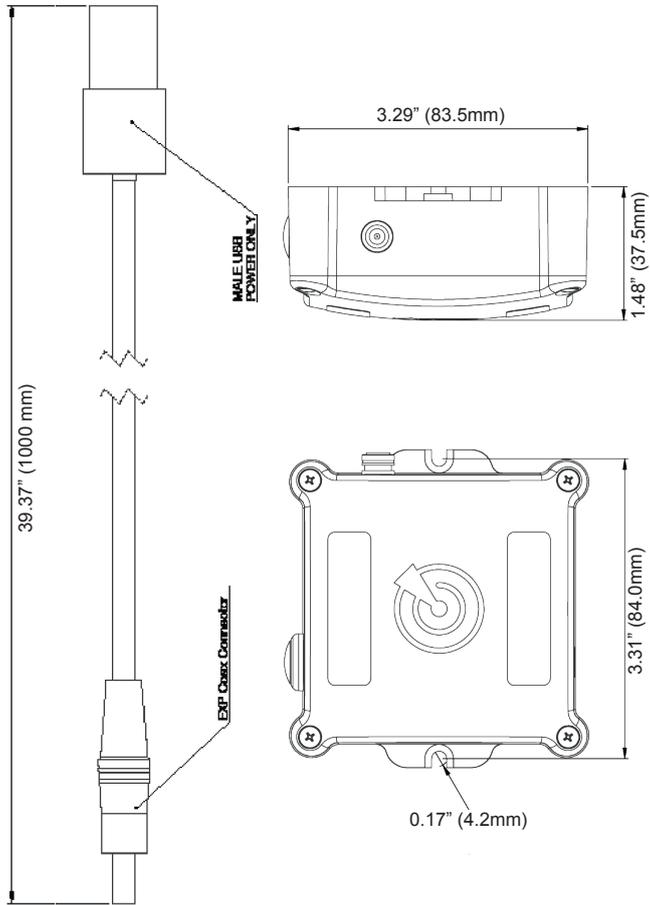
GLAS

Quick Start Guide



**EXTENDER**

WIRELESS  
SAFETY 



**EXTENDER**

## THE OLAS EXTENDER

The Extender is used as a repeater enabling OLAS transmitters to repeat their signal back to the OLAS receivers, the Core/Guardian. The Extender should be used where false alerts occur due to signals from the OLAS transmitters being lost.

The Extender can only be used alongside the Core/Guardian; It cannot operate without one of these devices.

Two Extenders can connect to a Core/Guardian per installation.

The Extender can operate portably using its built-in battery or it can be connected to a power supply for continuous use.

## OLAS TRANSMITTERS

The OLAS Tag, OLAS Float-On and OLAS T2 are considered OLAS transmitters. They emit a Bluetooth signal which is monitored by the OLAS receivers.

## OLAS RECEIVERS

The OLAS receivers track the OLAS transmitters. OLAS receivers are:

1. Guardian
2. Core
3. OLAS Mobile application
4. Extender - This operates as a repeater to increase the range of the Core/Guardian

## EXTENDER OPERATION

**Before first use fully charge your Extender by connecting to a 5V USB power supply using the charging lead provided.**

1. Charge up your Extender by connecting it to a 5V USB supply; it will take 3 hours to charge from flat
2. Set up your existing OLAS system using the Core/Guardian
3. Hold the Extender next to the Core/Guardian and press the button once on the Extender; the switch light will illuminate red
4. After a few seconds the light will start to flash once every 4 seconds to indicate that it is connected
5. The Core/Guardian will beep twice to indicate connection has been made
6. If the OLAS mobile app is connected the Extender will be visible on the homepage
7. For future operation the Extender will automatically reconnect to the Core/Guardian

## MULTIPLE EXTENDERS

Up to 2 Extenders can be used in 1 OLAS tracking system. Each Extender must first connect to the Core/Guardian by following the steps above.

Each Extender will extend the range by 10 meters (25ft) in the same direction that the Extender is located



## EXTENDER SETUP

1. With your Core/Guardian in their permanent location walk towards the area where the connection is normally broken between an OLAS transmitter and the Core/Guardian
2. The button will illuminate solid red when the connection between the Core/Guardian and the Extender is broken
3. The Core/Guardian will beep 5 seconds on 5 seconds off to indicate that the Extender connection has been lost
4. The OLAS mobile app will alert to indicate that the Extender connection has been broken
5. Walk back towards the Core/Guardian until the red light starts flashing and then continue for around 2 meters
6. Find a location within this area to securely hold the Extender. If being used as a permanent solution a 5V USB power supply is required
7. Walk around your vessel with your OLAS transmitter to ensure all areas are now within range

## DISCONNECTING EXTENDER FOR USE WITH A DIFFERENT OLAS RECEIVER

Press the control switch on the Extender for 4 seconds, the red light will illuminate for 2 seconds before switching OFF. The Extender is OFF and it will be silently removed from the tracking system. Any OLAS transmitters that were being tracked by the Extender will need to be back within range of the Core/Guardian to prevent the MOB alarm from being triggered.

## UNINTENDED EXTENDER DISCONNECT

This can occur if the battery in the Extender runs down or if the signal is blocked between the Extender and the Core/Guardian.

1. The Core/Guardian will beep 5 seconds ON 5 seconds off continuously. The OLAS mobile app will alert and warn that the Extender has become disconnected. The tracking system automatically enters paused state.
2. To silence the alarm either accept the alert on the mobile app or press the control switch once on the Core/Guardian. The tracking system will remain in pause until the Extender is reconnected.
3. To restart tracking without the Extender the Core/Guardian needs to be switched OFF and ON. Any OLAS transmitters that were being tracked by the Extender will need to be back within range of the Core/Guardian to prevent the MOB alarm from being triggered.

## LIMITATIONS

The connection signal can be blocked by carbon and metal. Operation on carbon or metal boats will require the Guardian box to be mounted externally.

## SOUND & LIGHT INDICATIONS

INDICATION	MEANING
Switch: Red LED flashing	Connected to the Core/Guardian and successfully transmitting
Switch: Red LED solid	Not connected to the Core/Guardian. Please check the Core/Guardian are switched ON and place the Extender next to the Core/Guardian to reconnect.
Switch: No LED	The Extender is OFF - press the button once to turn ON. If it will not power on connect it to a 5V USB power supply

## SPECIFICATION

Power/Current	5V / 13~17mA
Vessel length	Extends Core/Guardian range by 10m
Connected Transmitters	Up to 25
Weight	115 grams
Size	92 x 90 x 38 mm
Recharge time	3 hours
Connected Runtime (with battery)	80 hours

## CERTIFICATIONS AND DECLARATIONS

RoHS2 DIRECTIVE 2011/65/EU

(RED) (2014/53/EU)

EN 301 489-1 V2.1.1, EN 301 489-17 V3.1.1, EN 55032:2015

(CSPR 32:2015) and EN 55035: 2017 (CSPR 35: 2016)

EN 300 328 V2.1.1

FCC part 15b CFR47

ICES-003:2012

Contains Transmitter module FCC ID: QOQBGM13P

Contains Transmitter module IC: 5123A-BGM13P

## WARNING & WARRANTY

Any change or modification to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and relocate the module.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Exposure Lights / Ultimate Sports Engineering Ltd. accept no liability for any injuries or other damages arising from the use of their product in any circumstances.

We are here to help. If you are experiencing any problems with your ACR OLAS product or accessories please contact our technical service department at (954) 981-3333 or [service@acrartex.com](mailto:service@acrartex.com)

ACR Electronics, Inc. 5757 Ravenswood Rd. Fort Lauderdale, Florida 33312 - USA

Check web for additional product details and downloads : [www.acrartex.com](http://www.acrartex.com)

## TERMS & CONDITIONS

The OLAS systems are products from Ultimate Sports Engineering Ltd.

OLAS wireless systems utilize OLAS transmitters (OT) and OLAS receivers (OR).

OLAS transmitters consist of the ACR OLAS TAG, ACR OLAS FLOAT-ON, ACR OLAS T2.

OLAS receivers include ACR GUARDIAN, ACR CORE, ACR EXTENDER and the OLAS mobile application (OLAS app)

Before using any OLAS wireless system it is imperative that you read the DISCLAIMER and the LIMITATION OF LIABILITY which follows. There is legal presumption that by using OLAS wireless systems you have read, understood and accepted the DISCLAIMER and the LIMITATION OF LIABILITY statement.

### Setup

Start and setup all OLAS systems before you leave the dock and ensure all OTs are connected. Connecting the OLAS app allows visual indication of connected OTs.

Check the battery level of OLAS tags using the OLAS app. Check the battery level of OLAS Float-On's using the inbuilt colour coded battery indicator.

### The OLAS App

Ensure GPS is running in the background on your mobile device. Keep your mobile device plugged in to a charger as GPS drains the battery. It is advised that the app is running in the foreground to enable maximum response time. It can take up to 30 second for the system to respond if the phone is in locked mode.

### **Test the connection whilst in dock**

Test the connection between the OR and the OT by leaving the OR in its planned location and walk the OT to the furthest point on the vessel. Check that all OT's being used are working correctly by submersing them in more than 100mm of open water which will activate the alarm on the receiver.

### **Advice**

As soon as a MOB situation occurs, ensure a crew member keeps visual contact and points at the MOB. Contact the emergency services and give them the co-ordinates from your vessels GPS navigation system and the time since the MOB occurred.

Use OLAS Systems frequently as a practice aid for a MOB situation.

### **Disclaimer:**

OLAS wireless systems are an aid only and should be used alongside existing safety products and procedures. They should not be used for navigation or lifesaving procedures. The OLAS app GPS coordinates cannot be relied upon to be accurate. Whilst accuracy of between 10-30 meters can be achieved, many factors can cause larger variations. The OLAS app cannot and does not take the external environment into consideration. Wind, tide, current and other factors will affect the position of the MOB.

The OLAS app can only assist you in getting back to the position that the automatic alert was issued. The OLAS app is not warranted to be accurate. GPS reception is variable and cannot be relied on. The phone can take up to 40 seconds to get a good GPS lock even when GPS connectivity is available.

The OLAS app will be more accurate if already running for 1 minute before grabbing the GPS location. It is advised that the app is running in the foreground to enable maximum response time. It can take up to 30 second for the system to respond if the phone is in locked mode. The OLAS App should only be used to complement other MOB methods and procedures.

### **Limitation of Liability:**

In no event shall Ultimate Sports Engineering Ltd or its members, representatives or suppliers be liable for any damages whatsoever (including, without limitation, loss of property, personal injury, lost revenue, lost profits, loss of goodwill, business interruption) arising from or related to the use or inability to use or reliance on any OLAS wireless system, even if Ultimate Sports Engineering Ltd or its representatives or agents have been advised of the possibility of such damages. Some jurisdictions prohibit the exclusion or limitation of liability for implied warranties or consequential damages or incidental damages, so the above limitation may not apply to you. You may have other legal rights that vary from jurisdiction to jurisdiction. To the extent any liability is found, in no event will the liability of Ultimate Sports Engineering Ltd, its members, representatives or suppliers exceed the amount paid for the OLAS wireless system inclusive of the OLAS transmitters and receivers.

### **Patent Notice:**

The OLAS wireless systems and associated products may be covered by patents or patent pending applications.

### **OLAS EXTENDER Declaration of Conformity:**

Hereby, Ultimate sports Engineering Ltd declares that this Bluetooth Signal Repeater is in compliance with Directive 2014/53/EU and Directive 2011/65/EU. The full text of the EU declaration of conformity is available at the following internet address: <https://www.acrartex.com/products/acr-olas-extender/>

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