



Satellite Tracking and Monitoring Solutions



RF System Installation Guide

Contact **gplink** at +1.252.504.5113 **24 hours**
prior to scheduled installation for activation of units.
(48 hours on weekends)

www.gplink.com

Contents

I. RF Components	3
1.1 RF Receiver	3
1.2 AC Sensor	3
1.3 High Water Sensor	3
1.4 Smoke Detector	3
2. Installing gplink RF Sensors	3
2.1 Location	4
2.1.1 RF Receiver	4
2.1.2 AC Sensor	4
2.1.3 High Water Sensor	4
2.1.4 Smoke Detector	4
2.2 Power	4
2.2.1 Configuring the RF Receiver to accept 12V DC	4
2.3 Wiring	4
2.4 Mounting Equipment	5
2.4.1 RF Receiver	5
2.4.2 AC Sensor	5
2.4.3 High Water Sensor	5
2.4.4 Smoke Detector	5
3. gplink Concierge & Tech Support	5
3.1 Transferable Limited Warranty	5

Contact **gplink** at **+1.252.504.5113** **24 hours (48 on weekends)** prior to scheduled installation for activation of units.

1. RF Components

On installs where wireless sensors are to be used there will be several components that will be included to facilitate this.

1.1 RF Receiver

The RF receiver will gather the signals from all the sensors and relay that information to the MTM via a cable connection.



1.2 AC Sensor

The AC Sensor will consist of a transformer and the RF transmitter linked together by cable. This will detect a loss of AC power on the vessel and send the alert to **gplink**.

1.3 High Water Sensor

The High Water Sensor is an RF transmitter connected to a conductivity sensor probe by a long lead that can be run down into the bilge.



1.4 Smoke Detector

The Smoke Detector is similar to a standard home detector with the addition of a built in RF transmitter to communicate with **gplink** as well as sounding an audible alarm

2. Installing **gplink** RF Sensors

The following describes the basics of a standard installation. Keep in mind that every vessel is different and some variations on these instructions may need to be implemented depending on the situation and hardware present. It is the responsibility of the installing tech to make sure that proper steps are taken to ensure a safe and functional install. If there are any questions please contact **gplink** at +1-252-504-5113.

2.1 Location

2.1.1 Locate a suitable mounting location for the RF receiver near the Primary MTM.

2.1.2. The AC sensor should be plugged into an AC outlet that is always on. This way AC power is monitored at all times.

2.1.3. The High Water sensor should be mounted up high with the sensor wire down into the forward part of the lower bilge about 20 to 40 cm up from the bottom.

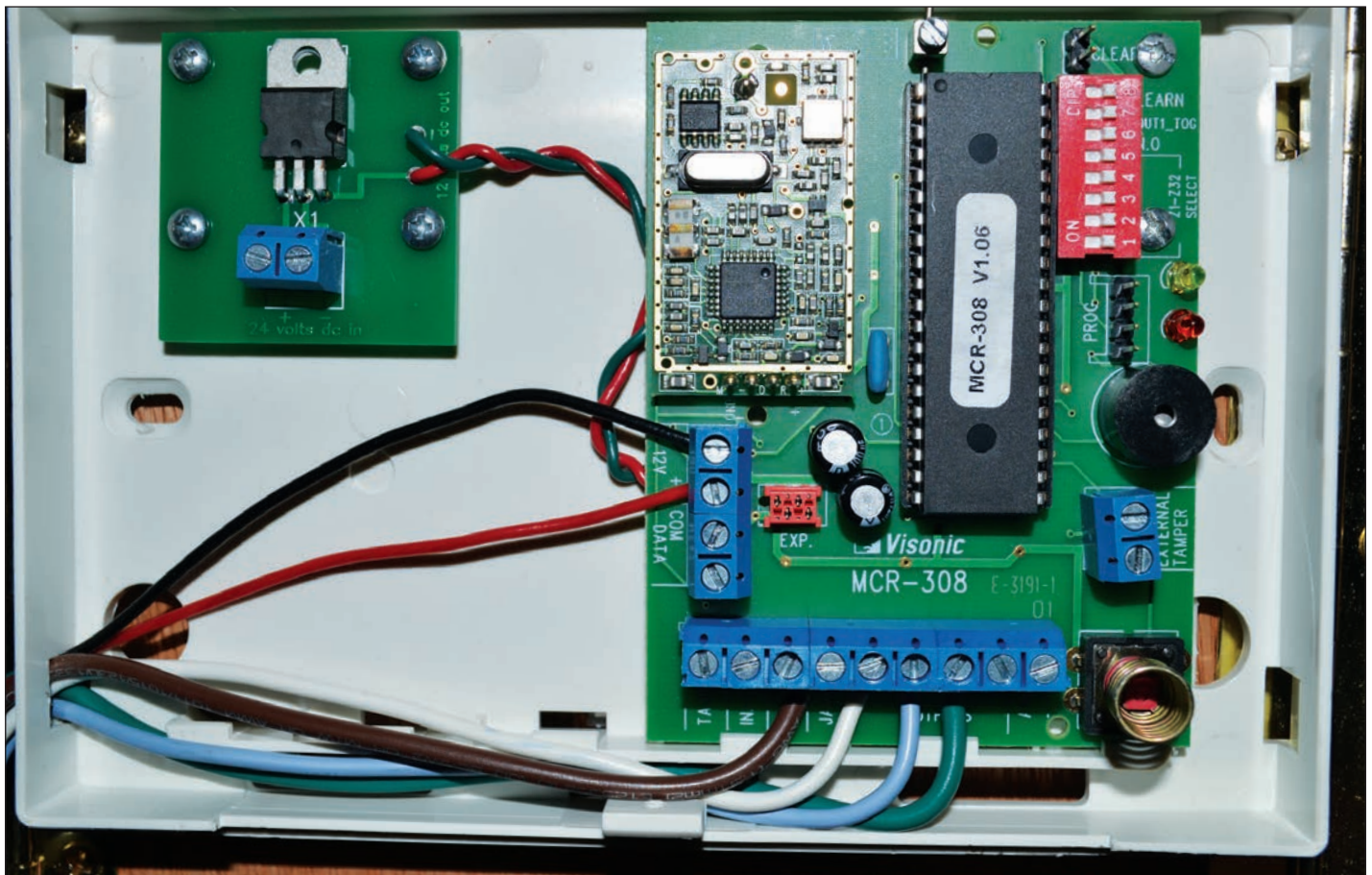
2.1.4. The Smoke Detector should be mounted in the cabin area near the galley.

2.2 Power

The RF receiver should receive power from the same source as the MTM and is pre wired for 24V DC. If the vessel runs a 12V DC system the RF receiver will need to be reconfigured to accept it.

2.2.1. Configuring the RF Receiver to accept 12V DC

Open the cover on the RF receiver by unscrewing the set screw in the bottom of the box and swing the lid up and set it aside. Find the red and black power wires where they are secured to the stepdown PCB and using a small flathead loosen and remove them. Next locate the 4 post screw terminal on the left side of the mainboard. The top two posts should be labeled - 12V +. Connect the power wires into the terminals making sure to pay attention to polarity. (Red to + Black to -) once everything is secure replace the cover and the set screw.



2.3. Wiring

Coming from the 12-pin plugs on the MTM there should be 4 wires colored green, brown, white and blue. These should be connected to the matching wires coming from the RF receiver using the included butsplices or other appropriate connection equipment. The red and black power wires should be connected directly to the same source as the MTM.

2.4. Mounting Equipment.

2.4.1. *The RF receiver should be secured to a bulkhead or other suitable hardpoint.*

2.4.2. *The AC sensor should be plugged into the outlet and the transmitter mounted nearby. It is also a good idea to strap the AC plug to the outlet as well to prevent becoming jostled out of place in heavy seas.*

2.4.3. *The High Water transmitter should be mounted on a bulkhead up high and in a dry location with the lead run down into the forward bilge and secured 20 to 40 cm above the bottom.*

2.4.4. *The Smoke Detector should be mounted close to the most likely source of fire. (Usually near the galley)*

3. **gplink** Concierge & Technical Support

Phone: +1.252.504.5113

Email: concierge@gplink.com

There are a number of other **gplink** resources available to installers, dealers & owners.

Other **gplink** Resources

- Installation Guide (this document)
- Terms Of Service - www.gplink.com/terms-conditions/
- Demonstration Video - <https://gplink.com/support/>
- Operator's Manual - <https://gplink.com/support/>
- Instructional Videos -<https://gplink.com/support/>

3.1 Transferable Limited Warranty

During the first twenty four (24) months from date of original retail purchase (with a continuous subscription/activation status) if a **gplink** system that fails due to unit defect, the unit will be replaced at no charge to the owner, excluding the labor of uninstalling the failed unit and reinstallation of the replacement unit.

To submit a warranty claim, contact the **gplink** Service Center at +1.252.504.5113 or warranty@gplink.com. Our Concierge will review the problem with you in detail. If no solution is found, you will be given an authorization number to return the product, postage paid. Package the part(s) appropriately to prevent damage while in transit. Provide your name, address, daytime telephone number, sales receipt, and a brief description of the problem to:

gplink

1500 Sensation Weigh
Beaufort, NC 28516
U.S.A.

Removal, reinstallation expenses, or any damage to the **gplink** system resulting from natural disasters, misuse, neglect, accident, misapplication, improper installation, unauthorized repair or alteration are not covered by this warranty. Products returned to **gplink** that are not covered under this warranty will be repaired or replaced at our service rates or returned to you as-is, at your option. **gplink** expressly disclaims any liability for incidental or consequential damage caused by product defects. Some states do not allow the exclusion or limitation of consequential damages, so the above may not apply to you. The Warranty herein is lieu of any other expressed warranty of merchantability or fitness or any other obligation on the part of **gplink** or the retailer. All implied warranties are limited to the initial period, as stated above. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you also have other rights, which may vary from state to state.