

MBM-GPS ARGOSMONITOR

Welcome pack

Environmental monitoring



THE MBM-GPS
ARGOSMONITOR
WELCOME PACK CONTAINS:

- SERVICE DESCRIPTION
- TEST FORM
- SET-UP FORM
- CONTACTS

Dear Customer,

Thank you for choosing MBM-GPS ArgosMonitor.

Enclosed you will find several documents to help you get started and make sure that the service is set-up properly. MBM-GPS is a reliable, complete Moored Buoy Monitoring and Alert System. For best results and continuous service, please follow these guidelines:

- **First, read carefully the description of the MBM-GPS service** (page 2), so that you understand the monitoring principles and the complete procedure.
- Before deployment, you must test your Argos platform. Please fill out the Test Form (Page 3) and send it back to your Customer Service.
- After validation of the test by CLS, deploy your Moored Buoy and ask for activation of the MBM-GPS service by filling the MBM-GPS set up Form (Page 4).
- When you want to move your buoy away from the mooring point, ask your Customer Service to de-activate the MBM-GPS service by sending an e-mail with the subject: STOP MBM-GPS / ID Number.
- When you want to reactivate the MBM-GPS service at the same mooring point, please send an e-mail with subject: START MBM-GPS / ID Number. If the mooring point has changed, please send a new MBM-GPS set up form (Page 4).
- Please keep in mind that you are still charged as long as your PTT is transmitting.

We recommend that you use Adobe Acrobat to fill out the forms and send them to Customer Service by Fax or by e-mail.

Do not hesitate to contact us for any further information on the MBM Service.

Sincerely,

MBM ArgosMonitor Team



MBM-GPS
is based
on one of the
ArgosMonitor
capabilities:
Location
Monitoring.

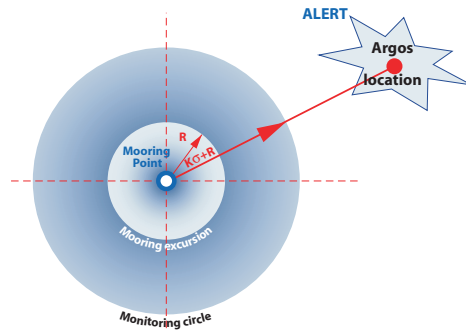
SERVICE DESCRIPTION

MBM-GPS is based on one of the ArgosMonitor capabilities: location monitoring. Also based on the well-known MBM service, MBM-GPS will allow you to be alerted as soon as your Argos/GPS-equipped platform leaves a predefined circle.

HOW DOES IT WORK?

The principle is that every GPS position (or calculated Argos location when the GPS fails) is compared to the monitoring circle defined by:

- 1 - The mooring point that you declare in the MBM-GPS Set-up form
- 2 - The mooring line excursion R. By default, we declare R = 1000 m but you can modify this value.
- 3 - The location class. The estimated accuracy (σ) is multiplied by a coefficient K and the total is added to R.



Argos location class	σ (accuracy)	K	Monitoring circle for default value 1000 m
G	150 m*	2	1300 m
1	1500 m	4	7000 m
2	500 m	3	2500 m
3	250 m	2	1500 m

*This accuracy value is given by default as it depends on the quality of the GPS receiver.

If the location is detected out of the monitoring circle, you will receive an alert notification. If two consecutive Argos locations are in the same 90° angle, the radius of the monitoring circle is smaller (K becomes K-1). **Thus, it is very important that the Argos platform is regularly located throughout the day. This is why it is crucial to test the platform before deployment.** If the platform is not located for more than 24 hours, you will receive an alert notification.

MBM-GPS ARGOSMONITOR OFFERS TWO OPTIONS:

- Surveillance of your moored buoy and alert sending by email of FTP when it leaves the monitored circle
- Daily distribution by email or FTP of the latest status of your transmitter (positions, sensor status . . .)
- Access to all transmitted data on ArgosWeb

HOW CAN I CONSULT MY DATA?

You can easily access ALL your locations and data even during the tests (at the manufacturer's, before deployment, at sea), on a secure website, with maritime maps and many useful features. Just log on to: <http://www.argos-system.org>, then enter your Username and Password and follow the online help.

HOW DO I ACTIVATE MBM-GPS SERVICE?

In the MBM-GPS Set up form, for each platform, you indicate:

- The location of the mooring
- The people to inform in case of an alert and how to contact them.

We recommend that you ask for two different means of alert transmission (Fax, e-mail or SMS), even through satellite communication (Inmarsat or other...).

When we receive the MBM-GPS Set-up form, we will confirm the reception of the form and we will activate the monitoring from the requested date.

If your platform is not properly located, you can ask Customer Service to activate complementary location services.

When your platform is destroyed, lost or out of power, i.e. the platform ID number will never be used again, you must contact Customer Service. The platform ID number will be deleted from your program.

Thank you for informing us when you terminate your program.

MBM-GPS TEST FORM

• Program number

• Platform ID number

• Platform name (*optional*)

• Manufacturer

• Platform model

• Test start date Day Month Year

• Test end date (*optional*) Day Month Year

• Location of the test:

Latitude degrees N S

Longitude degrees E W

Name

Date

Signature

MBM-GPS SET-UP FORM

- Program number
- Platform ID number
- Deployment date Day Month Year

MOORING POINT

- Latitude degrees minutes seconds N S
- Longitude degrees minutes seconds E W

MOORING LINE EXCURSION

- Default value 1000 meters Other value meters

DEFAULT ALERT MESSAGES

- 1 When the platform has not been located for more than 24 hours: “<Platform Name> Argos ID <number> has not been located for more than 24 hours”. This alert is only sent once.

If you want to customize the alert:

- 2 When the location is out of the monitoring circle: “<Platform Name> Argos ID <number> is out of monitoring circle” + **location**. This alert is sent for every new location as long as the platform is out of the circle.

If you want to customize the alert:

CONTACTS IN CASE OF ALERT

Contact #1 (mandatory)

- Name
- Organization
- E-mail
- Fax +
- SMS +

Contact #2 (mandatory)

- Name
- Organization
- E-mail
- Fax +
- SMS +

Contact #3 (optional)

- Name
- Organization
- E-mail
- Fax +
- SMS +

Name

Date

Signature

Alerts can be sent to several contacts in parallel; one alert transmission mode per contact.

MBM-GPS CONTACTS

- **CLS**

Customer Service

Charles Drieu La Rochelle +33 561 394 715
Fernand Cid +33 561 394 814
Fax +33 561 394 797
mailto: useroffice@cls.fr

Operators (24/7) only in case of alert

Tel +33 561 39 48 80

Sales administration

mailto: salesmanagement@cls.fr

- **CLS America**

Tel: +1 301 925 4411
Fax: +1 301 925 8995
mailto: userservices@clsamerica.com

- **Japan: Cubic-I Ltd**

Tel: +81-3-3779-5506
Fax: +81-3-3779-5783
mailto: argos@cubic-i.co.jp

- **Australia: Satellite Information Technology Pty Ltd**

mailto: guan@clsargos.com.au
