

# Omega made useful. Satnav made better. The MX 1105.

It's no secret. Stand-alone Omega has some bugs. And Satnav, the most reliable all-weather system available, still requires dead reckoning between fixes.

So we've taken the best of two worlds to improve the performance of each. The result is the MX 1105 Satellite-Omega Navigator.



## Satnav Improved.

The accurate satellite fix is used as a reference to calculate Omega skywave corrections. You get continuous, accu-

rate fix data even during long-term ionospheric disturbances and polar cap anomalies.

## Accuracy, Reliability, Worldwide Support.

Backed by our worldwide service organization — on call any time, any place — the MX 1105 gives you the accuracy of Satnav with continuous-fix Omega data. And in-service MX 1102 and MX 1112 Satellite Navigators can be upgraded to the MX 1105 configuration.

Call your Magnavox agent to see another example of our application-oriented design expertise: the MX 1105. Magnavox Government and Industrial Electronics Co., 2829 Maricopa Street, Torrance, California 90503. (213) 328-0770. Ext. 2478. Telex 674-373. Cable MAGNAMAR.



## Satnav and Omega Integrated.

The MX 1105 gives you redundant references — the accuracy and all-weather reliability of Satnav with the continuous-fix capability of Omega. Constant, up-dated position fixes from two independent references. And an alert if there is a significant discrepancy between them. In one very compact table, bulk-head or overhead mounted unit.



## Omega That Works.

The MX 1105 automatically synchronizes and tracks three frequencies from all available Omega stations. It automatically computes set and drift, makes skywave corrections, and selects stations — minimizing long-path, modal interference and other Omega errors.

**Magnavox**  
Magnavox Government and Industrial Electronics Company

## THE ROYAL INSTITUTE OF NAVIGATION

**T**HE OBJECT of the Institute is to unite in one body those who are concerned with or who are interested in the science and art of navigation. Membership is not restricted to those who hold professional qualifications, but is open to others who wish to further the aims of the Institute.

By coordinating the knowledge and achievements of marine and air navigators, scientists and those associated with the development and production of navigational equipment, the work of the Institute is directed towards raising the standard of navigation. In the field of education it is the aim of the Institute to bring practical navigators into contact with teachers and research workers to increase a common appreciation of the issues involved. It is an object of the Institute to encourage research in equipment and methods; through its publications it gives a wide circulation to original work on navigation so that new developments and suggestions can be appreciated by those most directly concerned with them.

The activities of the Institute include the holding of monthly meetings to discuss specific problems, the publication of a Journal and of other works concerned with different aspects of navigation, and such other activities as the Council may deem necessary to promote knowledge in navigation and its associated sciences.

*The Journal of Navigation* is issued free to all Members and contains a full account of the Institute's proceedings. It prints the papers which are presented at meetings, together with their ensuing discussion, and other original papers contributing to the science of navigation. It also contains a record of current navigational work, reviews of important books, and general papers of interest to navigators and those with similar interests.

The work of the Institute is coordinated with that of similar societies abroad, whose proceedings are available to members.

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(1) HONORARY MEMBERS, who shall be distinguished persons upon whom the Council may see fit to confer an honorary distinction.

(2) FELLOWS, who shall be members, of at least three years' standing who, in the opinion of the Council, have made a contribution of value to navigation.

(3) MEMBERS, who shall be persons over twenty-one years of age who can satisfy the Council of their interest in navigation.

(4) STUDENT MEMBERS, who shall be persons under twenty-five years of age studying with a view to making navigation, or an allied interest, their career.

(5) CORPORATE MEMBERS, who shall be companies, universities, navigation schools, government departments and other organizations, here and abroad, who are directly or indirectly interested in the science of navigation. Corporate Members are entitled to send representative to all Institute meetings and to receive six copies of the *Journal*, and other publications. They are encouraged to take an active part in the Institute's work. Applications should be sent by letter addressed to the Director.

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Student Members . . . . .	£5.00
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