



Introduction

The HeliCom Matrix Communications system has been designed for Helium speech and to provide communications with the occupants of a saturation chamber complex. The HeliCom matrix is manufactured into 19" rack(s) and can be configured to operate 8 to 64 channels. The HeliCom Matrix consists of a main communications system, a backup communications system, an entertainments system and a telephone system.

Functionality

- Touch screen HMI with 3 main screens:
 - Group screen – where any of the channels can be grouped together to allow open comms conversation.
 - Volume screen – where any channels microphone or earphone volume can be adjusted.
 - Telephone screen – where any channel can be patched into an out going or incoming telephone call.
- Manual or automatic unscrambling:
 - Manual – Adjust the depth potentiometer to required depth as and when depth changes take place.
 - Automatic – Unscrambler receives data from the chamber and automatically tracks the chamber depth and adjusts to suit.
- Matrix system – digital matrix which controls all data sent from the touch screen HMI and chamber comms/bunk boxes. There is a master matrix for use with the main communications system and a backup matrix for use with the backup communications system.
- Backup communications system – Integrated communications system for use in the event of a failure with the main communications system. Simple switchover between main system and backup system.
- The HeliCom Matrix can be configured to suit the customers requirements. Each HeliCom matrix is tailored to the client and the vessel.



Order Codes

Helicom™ Matrix Communications System
CO363AM