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DEFENCE
COMMERCIAL



HeliCom™ Matrix Communications System

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The HeliCom Matrix Communications System has been designed for helium speech communications with the occupants of a complete saturation chamber complex. Conveniently manufactured into a standard 19" rack the HeliCom Matrix consists of a communications system, entertainments system and telephone system.

Functionality includes:

- Touch screen HMI with 3 main screens
 - Group screen – where any of the 32 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 outgoing or incoming telephone call.
- Entertainments system where any lock or bunk can have one of three audio feeds available to listen to.
- 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.



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