

# CCU-HALF ATR

## COMMUNICATIONS CONTROL UNIT



### FEATURES:

- ◆ Simultaneous RED/BLACK Communications
- ◆ TEMPEST Compliant
- ◆ Microprocessor Controlled  
Accommodates user changes
- ◆ Emergency Backup Capability
- ◆ Voice and Data Switching
- ◆ Light Weight, Low Power Consumption
- ◆ Radio/Crypto Control
- ◆ EMP Hardened
- ◆ High Reliability
- ◆ MIL-STD-1553B Interface
- ◆ Built-In-Test (BIT)



### The Palomar Products Communications Control Unit - Half ATR (CCU)

determines the connections between the various assets and each crew member. The CCU is a modular, microprocessor controlled, TEMPEST secure unit that is integrated into the communications suite to provide the necessary control and switching of all internal and external, clear and secure voice and data lines as required by the platform's crew members.

The CCU is available in half and full ATR sizes depending on platform and redundancy requirements. The unit can be integrated with a host computer via a MIL-STD-1553B. The modular circuit card assembly design allows the CCU hardware to be tailored to meet platform requirements. Firmware functionality allows a single CCU configuration to be used on multiple platforms.

The CCU provides control and switching of all clear and secure voice and data lines.



CCU flexibility extends from use in simple internal/external communication systems to use in full command and control systems. Complex systems can include crypto and data link assignments, clear/secure radio relay, clear/secure simulcast, multiple internal conference networks, and/or selective dial-up. The CCU can also serve as a data bus translator for those assets which are not MIL-STD-1553B compatible.

Extremely high channel-to channel isolation allows multilevel security, private radio channels, and private intercom channels.

