



KY-57 Buffer for HCLOS Radio DVOW

TELEGRID's KY-57 Buffer Model KYB-701 synchronizes the interface between a KY-57 VINSON voice encryption device and the Digital Voice Orderwire (DVOW) of the AN/GRC-245 High Capacity Line-of-Sight (HCLOS) radio. The Buffer compensates for any frequency mismatch between the KY-57 operating with its own internal clock and the radio operating from station clock. This compensation can cover more than eight (8) minutes of speech when the KY-57 and the station clock operate within frequency specifications. The Buffer initiates upon activation of the push-to-talk (PTT) by the operator.



FEATURES

- Buffer size allows storage of more than 8 minutes of 16Kbps CVSD speech for positive or negative timing differences of up to 30 ppm.
- BUFFER ALARM red LED on front panel indicates Buffer Full or Buffer Empty condition. Buffer resets upon release of PTT switch.
- POWER switch with built-in green LED indicator.
- Power options include +5VDC and 115 VAC.
- Small footprint of 1/3U rack-mount space. Mounting tray is provided which allows quick removal and replacement of unit.
- Similar in design to the KYB-702 which supports two HCLOS radios (fielded by the USMC) and the KYB-703 (NSN 5895-01-566-5272) which supports three HCLOS radios (fielded by the US Army).

KY-57 Buffer Model KYB-701

SPECIFICATIONS

- **Transmission Bit Rate:** 16Kbps
- **Power Requirements:** +28VDC, 0.100 Amp Max
- **DC Power Connector:** Hirose Model RM12BRD-2PH
- **KY-57 Connector:** DB-9 (F)
- **Radio Connector:** DB-37 (M)
- **Operating Temperature:** 0 to 40°C (optional industrial temperature range of -40°C to +85°C available).
- **Relative Humidity:** 0 to 90% non-con.
- **Size:** H 1.70", W 5.65", L 12.50" (1/3 of 1U rack size)
- **Weight:** 2 lbs.
- **Mounting Tray:** P/N TRY-001 (Included with unit)



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