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)