

Triple KY-57 Buffer with Call Alert/ Call Waiting

TELEGRID's KY-57 Buffer Model KYB-703 (NSN 5895-01-566-5272) was developed in support of the High Capacity Line of Sight (HCLOS) Radio program which is an upgrade to the tactical line-of-sight transmission assemblages (AN/TRC-190(V)1,2,3,4). The KYB-703 synchronizes the interface between a single KY-57 VINSON voice encryption device and three Digital Voice Orderwire (DVOW) ports of three co-located AN/GRC-245 radios. It includes Call Alert and Call Waiting features which audibly and visually alert the operator at any time to an incoming call from any distant radio. The alert is initiated automatically by the distant push-to-talk (PTT) and is cancelled when the local operator selects the calling radio and activates the handset PTT.

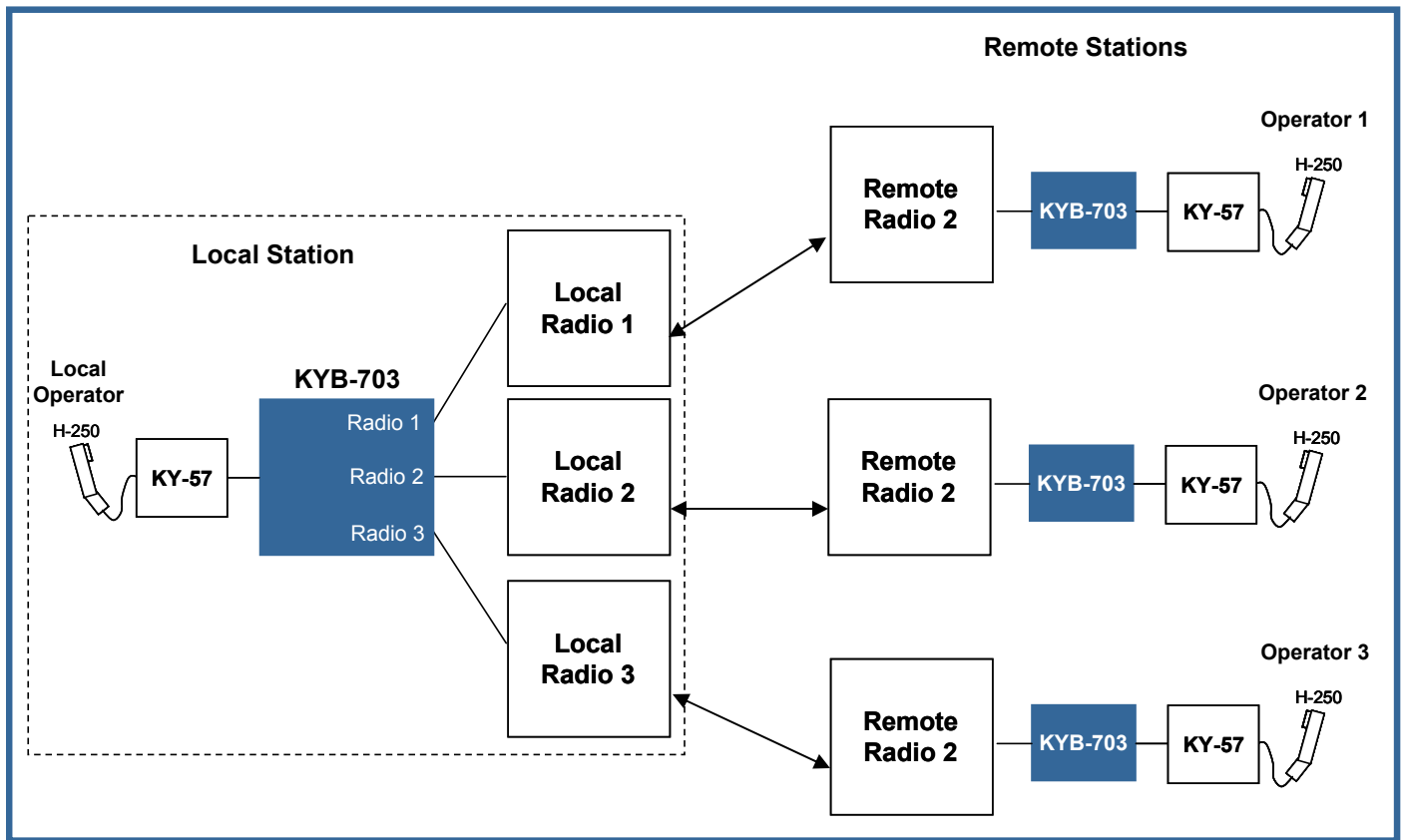


Features

- Connection to one of three radios by a front panel switch
- Audible and visual alert when distant operator initiates a call. Call Waiting feature if local operator is busy on another call. Local PTT activation cancels alert
- Buffer size allows storage of more than 8 minutes of speech for timing differences of up to 30 ppm
- BUFFER ALARM indicates Buffer Full or Buffer Empty condition. Release of PTT resets buffer
- POWER switch with built-in green LED indicator
- Available in +5VDC, +28VDC or 110 VAC power options
- Small footprint of 1/3U rack-mount space. A mounting tray is included which allows quick removal and replacement of unit

Technical Specifications

Data Rate:	16Kbps
KY-57 Connector:	DB-9 (F)
Radios Connector:	DB-37 (M)
DC Power Connector:	Hirose RM12BRD-2PH
Operating Temperature:	0 to 40°C (optional industrial temperature range of -40°C to +85°C available)
Relative Humidity:	0 to 90% non-con
Power options:	+5 VDC, +28 VDC, 85-264 VAC @ 47-63 Hz
Dimensions:	1.70" x 5.65" x 12.50" (HxWxL)
Weight:	3 lbs. (incl. tray and AC power cord)



KYB-703 Concept of Operation

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