

# **PK-232MBX**

## **MANUAL SUPPLEMENT**

### **PK-232MBX REVISION SUPPLEMENT 7/90**

- **Non-Volatile MailDrop Memory**
- **Separate MailDrop Call Sign**
- **Reverse Forwarding Supported**
- **Increased MailDrop Message Memory**
- **Enhanced Autobaud Routine**



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PK-232MBX Firmware Revision Supplement  
JULY-1990

The following briefly describes the changes that have been made to the PK-232MBX firmware in the JULY-1990 firmware release. A more detailed description of the PK-232MBX MailDrop enhancements follows in APPENDIX R. The specific command descriptions are located in the COMMAND SUMMARY ADDENDUM in APPENDIX U.

MAILDROP ENHANCEMENTS:

- \* Messages are saved when the PK-232MBX is powered off (if battery is connected).
- \* MailDrop Message memory has increased to over 18,000 bytes.
- \* The PK-232MBX now supports Reverse Forwarding. New commands include HOMEBS (call sign), KILONFWD ON/OFF and EDIT.
- \* Added the MYMAIL (call sign) command to allow a separate MailDrop call.
- \* Additional enhancements to the MailDrop include LM, RM, KM and Help commands as well as a separate dedicated MailDrop Connect message (MTEXT).
- \* The PK-232MBX supports 3rd party traffic on the MailDrop if 3RDPARTY is ON.

CHECKSUM INVISIBLE: No Checksum will be displayed in the sign-on message unless the PK-232MBX program EPROM has been damaged or modified.

ENHANCED AUTOBAUD ROUTINE: The Autobaud routine has been enhanced to require only one asterisk and may optionally be present at every power-ON of the PK-232.

MONITOR TRANSMITTED PACKETS: Transmitted packets may now be monitored with the new MXMIT command.

CUSTOMIZED ERROR CHARACTER: The character used to mark the reception of an error in Morse, ARQ, FEC, NAVTEX and TDM is now programmable in the ERRCHAR command.

WATCHDOG TIMER ENHANCED: The PTT Watchdog Timer is now operational in modes other than Packet. With more computer controlled station operation occurring especially in RTTY and AMTOR modes, this safety feature has been enhanced.

ALTERNATE MODEM COMMAND: An optional 2400 bps DPSK modem is now available for the PK-232MBX. The command ALTMODEM allows it to be controlled in software.

NAVTEX MODE: NAVTEX is a relatively new marine weather broadcast service that is being installed in coastal areas around the world. The memory used to remember which NAVTEX messages have been received is now backed by the Lithium battery. See the following page for a description of the NAVTEX mode.

TDM RECEIVE MODE: TDM transmissions in the Short Wave bands can now be received.

PRIORITY ACKNOWLEDGMENT SUPPORTED: The Priority Acknowledge scheme described by Eric Gustafson (N7CL) is supported by the PK-232MBX.

CCIR REC 625 7-CHARACTER SELCAL SUPPORTED: The PK-232MBX now supports seven-character selcals in AMTOR (CCIR Rec. 625). See the MYIDENT command.