

# KPAK3AUX CABLE SET INSTRUCTIONS

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## Introduction

The KPAK3AUX cable set consists of two components: a 15-Pin to 15-Pin DE-15 KPA500-K3 Aux cable, and a Key Line Interrupter adapter. This cable set interfaces between the Elecraft KPA500 amplifier and the K3 transceiver and provides enhanced functionality. These two components are shown in Figure 1.



KPA500-K3 Aux C



Key Line Interrupter

**Figure 1. KPAK3AUX Cable Set**

## Installation Procedure

Connect the dual DE-15 KPA500-K3 Aux cable between the KPA500 AUX jack and the K3 ACC jack. This configuration is shown in Figure 2. When so connected, the K3 provides band data and key line signaling to the KPA500 and the KPA500 provides ALC, amplifier status, and band button functionality back to the K3. See the KPA500 Owner's Manual for details. Please note that K3 firmware must be Rev. 4.36 or later, and AUXBUS must be set ON in the KPA500 menu to enable sending status and band button functionality back to the K3.



**Figure 2. Basic Configuration**

The Key Line Interrupter adapter opens the amplifier keying line inside the KPA500-K3 Aux cable for stations that require such capability—when automatic antenna tuners, remotely tuned Yagi antennas, or high-SWR protection devices (such as the Elecraft W2) are employed. When plugged into the KPA500-K3 Aux cable, KEY OUT control from the K3 is no longer passed through. Instead, a separate cable between the KEY OUT phono jack on the K3 and the PA KEY phono jack on the KPA500 is used. This cable could then be routed via the antenna tuning control or high-SWR protective device, which would interrupt the KEY OUT line during antenna tuning intervals or when high SWR exists.