

TuneMatic

Automatic Motorized Antenna Controller

ELECRAFT E-1 INTERFACE (with AMP option) SUPPLEMENT

For ELECRAFT: KX2, KX3

Rev. 2/15/22

Since the KX2/3 does not have switched 12V power, the GPI pin of the KX3 is used to enable power through the TuneMatic interface connection VIA a separate 12v connection to the KX2/3 interface. The power source can be direct, or switched, however if on a switched source, it will turn off TuneMatic when the switched source is turned off.

a) Connect 3.5mm plug to "ACC1" of KX2/3.

b) Connect 2.5mm plug to "ACC2" of KX2/3.

c) Connect Red/Black cable to a 12v switched or un-switched power source (200-300mA). You can parallel the TuneMatic red/black leads to these leads as well. RED=+12V BLACK= ground

c1) If using the Elecraft KPXA amp adapter, connect the female 2.5mm socket for the amp connection, and the twisted pair cable to the TuneMatic AMP keyline relay (not polarity-specific) leads.

d) Connect 4 pin PC power style connector to TuneMatic interface port.

e) Apply power to KX2/3, hold MENU button on KX2/3, set the following menu items as indicated:

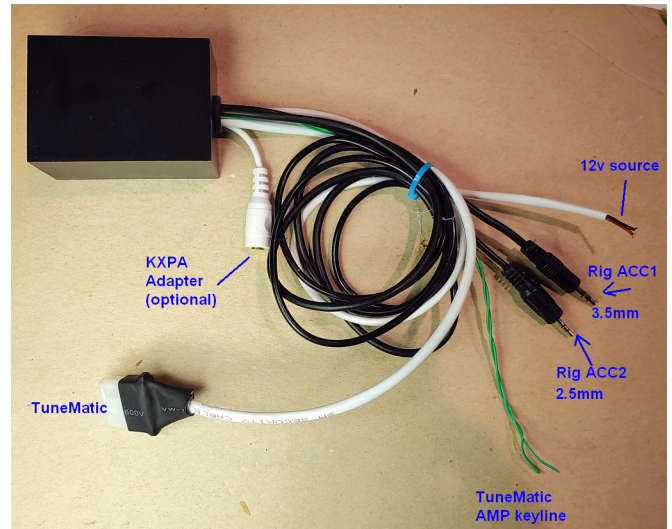
ACC2 IO to ON

RS232 to 9600b

When KX2/3 power switch is applied, the KX2/3 GPIO signal will enable the interface to supply power to the TuneMatic, and when TuneMatic operates in TUNE or STORE, it will command the interface to send serial data to key rig, and send unkey command when completed.

NOTE that TuneMatic will not turn on until the KX2/3 menu settings are completed.

With the amp option connected, the TuneMatic relay will open the TX key line from the rig to the Elecraft amplifier.



JT Communications - Ocala, FL 34470 USA 352-236-0744 www.tunematic.us