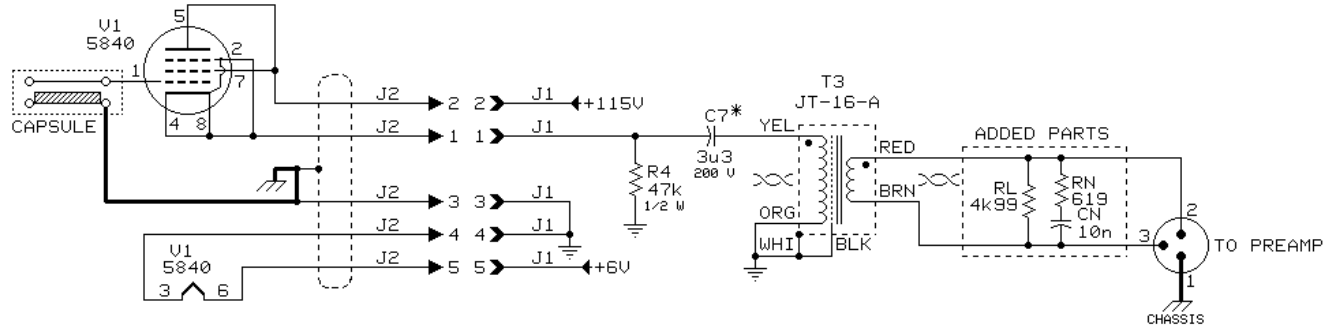


# USING THE JT-16-A WITH "THE COUNTRY BOY'S CAPACITOR MICROPHONE"

Article by David Royer in Glass Audio (vol 8, no 1, 1996)



## NOTES

SINCE THIS APPLICATION USES THE JT-16-A "BACKWARDS", ITS LOAD RESISTOR AND RC DAMPING NETWORK ARE INTENTIONALLY DIFFERENT FROM THE DATA SHEET. VALUES SHOWN HERE OPTIMIZE HIGH FREQUENCY TRANSIENT RESPONSE AND EXTEND AND FLATTEN LOW FREQUENCY RESPONSE.

\* THE ORIGINAL VALUE FOR C7 PRODUCES A LOW FREQUENCY RESPONSE 3 dB DOWN AT 10 Hz. LARGER VALUES WILL EXTEND LF RESPONSE PROPORTIONALLY.

ALL RESISTORS ARE  $\pm 1\%$  1/4W METAL FILM TYPES, ROEDERSTEIN MK2-1 OR EQUIVALENT (unless noted otherwise)

ALL RESISTORS IN OHMS ( 4k99 = 4.99k, 30r1 = 30.1 )

ALL CAPACITORS IN FARADS ( 10n = .01u = 10,000p )

USE OF GOLD PLATED CONTACTS IN XLR CONNECTORS IS HIGHLY RECOMMENDED

TIGHTLY TWIST PAIRS OF LEADS SHOWN AS  $\infty$

KEEP ALL WIRING AS SHORT AS POSSIBLE

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