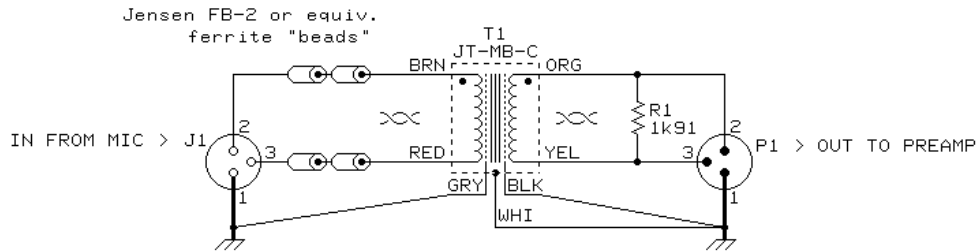


## EXTERNAL ISOLATION TRANSFORMER BOX FOR MACKIE MIXERS

per MACKIE DESIGNS "RF Suppression Tool Box"  
EXTENDS COMMON-MODE REJECTION VOLTAGE RANGE TO  $\pm 300$  V  
and VIRTUALLY ELIMINATES RF INTERFERENCE PROBLEMS



### NOTES

R1 IS A  $\pm 1\%$   $1/4w$  METAL FILM TYPE, ROEDERSTEIN MK2-1 OR EQUIVALENT, VALUE IN OHMS ( 1k91 = 1.91k )  
R1 VALUE SHOWN IS FOR MACKIE 1604 MAIN MIXER OR EXPANSION UNIT (required for most "transformerless" preamps)  
TIGHTLY TWIST LEADS AS SHOWN  $\infty$  IN PATH FROM J1-T1-P1 TO MINIMIZE ELECTROMAGNETIC PICKUP  
KEEP GRY, BLK, AND WHI LEADS SHORT AND CONNECT AS SHOWN ( DO NOT TWIST WITH OTHER LEADS )  
INSTALL FERRITE BEADS AS CLOSE AS POSSIBLE TO J1 PINS FOR BEST FM & UHF REJECTION  
USE OF GOLD PLATED CONTACTS IN XLR CONNECTORS IS HIGHLY RECOMMENDED  
CONNECT PIN 1 OF EACH XLR TO METAL ENCLOSURE AS DIRECTLY AS POSSIBLE ( SHORT HEAVY GAUGE WIRE )  
WHITE WIRE IS CONNECTED TO TRANSFORMER CASE ( CASE NEED NOT BE INSULATED FROM ENCLOSURE )

### IMPORTANT

THIS EXTERNAL FIX WILL NOT PASS PHANTOM POWER  
( SEE AS074 FOR INTERNAL MODIFICATION WHICH WILL )

**jensen**

AS073

01/14/98

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