

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE
UNDERGRADUATE TEACHING LABORATORIES

6.101 Laboratory Kit Warnings

Please observe the following cautions when using your 6.101 lab kit:

1. DO NOT SCRATCH OR DAMAGE the wooden cases. These kits were donated by Linear Technology Inc. and Analog Devices Inc.
2. The function generator is for use if you take the kit to your room. Please use the benchtop function generators provided in the lab when you are in lab.
3. DO NOT CONNECT VOLTAGES TO THE FUNCTION GENERATOR OUTPUTS.
4. DO NOT CONNECT ANY VOLTAGES TO THE POWER SUPPLY TERMINALS.
5. The **variable** +/- 15 volt supply terminals on the top panel of the kit are current-limited to 500 mA. This will not be enough current to operate your lab 5 power amp. Use the **fixed** +/- 12 volt supply terminals on the right side of the kit for these higher current applications, they will supply 1 amp before the current limiting kicks in. You may also use the separate adjustable +/- 18 volt, 6 amp supplies available in the lab.
6. BE CAREFUL what values of DC voltages you apply to the built-in potentiometers [pots], especially the 1 k Ω pot. If you apply the total DC supply of +/- 15 volts [=30 volts] across this pot, you will be dissipating 900 mW in a pot rated at 500 mW.
7. DO NOT OVERDRIVE the small speaker provided. Your power amps in labs 5 & 6 could seriously damage the small speaker. Use larger speakers available from the stockroom window or from the instructor if you want to play around with your power amp before we do your checkoff.
8. Please do not remove or alter the fastenings or supports in the kit cover.
9. Please keep your kit in your locker when not using it, or when it is not in your room. There are enough lockers for everyone.

YOU ARE RESPONSIBLE FOR YOUR LABORATORY KIT AND ITS CONTENTS. IN THE EVENT OF LOSS OR DAMAGE, YOU WILL INCUR A LIABILITY UP TO THE REPLACEMENT COST (\$3500). THEREFORE, YOU SHOULD TAKE THE PRECAUTION OF SAFEGUARDING YOUR KIT BY KEEPING IT WITH YOU OR IN SIGHT AT ALL TIMES -- ESPECIALLY WHEN OUTSIDE THE LABORATORY OR YOUR ROOM. LOCKERS ARE PROVIDED FOR YOUR CONVENIENCE IN THE FIFTH and SIXTH FLOOR CORRIDORS OF BUILDING 34.