



Tech Tips

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32-100 Multiplier Supply Outputs

There are two different output schemes for the 32-100 V/F power connector. One is to be used exclusively with the PHI model 96 V/F pre-amp and one is to be used only with the 96A and 96B pre-amps.

The table below shows the pin-out voltages for the V/F power connector (J1). If you buy either a new V/F pre-amp or a new 32-100, you need to make sure that the correct pre-amp/multiplier supply is being used or damage may result to the 32-100. Typically this applies only to PHI 560 and 595 systems that originally had the 96 V/F pre-amp and have been updated recently. If an older 96 V/F pre-amp is plugged into a newer 32-100, the -15V supply in the 32-100 will be shorted to ground (which is not good). If a newer 96A or 96B V/F pre-amp is plugged into an older 32-100, the preamp will not function but no damage will occur to either the 32-100 or the V/F pre-amp.

96 Power In		96A or 96B Power In	
Pin A	+5 volts	Pin A	+ 5 volts
Pin B	5 volt ground	Pin B	-15 volts
Pin C	+15 volts	Pin C	+15 volts
Pin D	15 volt ground	Pin D	15 volt ground
Pin E	Chassis ground	Pin E	5 volt ground