

PLAYMASTER MOSFET AMPLIFIER: I am constructing your latest Playmaster amplifier and have come across two problems that you may be able to help straighten out.

Firstly, I can see no use for connection pin 27 on the PCB overlay; I gather it may have something to do with the input selector wiring. Would you please explain. Secondly, can the choke as used in the March '81 guitar amp be used in the Mosfet amp; it would save us the trouble of winding it ourselves if it is suitable. (A.H., Adamstown Heights, NSW).

● Pin 27 was originally provided for in the design of the PCB so that the preamplifier output leads could be shielded if necessary. However, in the final design, pin 27 was not used. And yes, the choke used in the guitar amplifier can be used in the Playmaster Mosfet stereo amplifier.

STEREO INFRARED REMOTE CONTROL: I have recently completed construction of the Stereo Infrared Remote Control Unit (October 1979) and found the unit to work satisfactorily. However, my present problem is trying to purchase a reasonably priced piece of infrared filter for the BPW34 photo-diode.

Could you offer any suggestions as to where a suitable filter could be purchased or as an alternative, could a BPW50 photo-diode with a built-in filter be used in place of the BPW34 diode? If so where can a BPW50 diode be purchased from? (S.D., Bellerive, Tas.)

● The BPW50 is a drop-in replacement for the BPW34 and can be purchased from any of our advertisers who stock parts for the Infrared Relay featured in our April 1981 issue.

STEREO INFRARED REMOTE CONTROL: Is there any reason the receiver of the October 1979 Stereo Infrared Remote Control shouldn't be built into the current MOSFET Stereo Amplifier project? If not maybe the LEDs could be mounted directly around the volume control, the PCB mounted above the amplifier PCB using spacers and the transformer mounted in a small external box if interference from it would be a problem for the amplifier. If these projects could be built together could you indicate what connections need to be made? (P.W., Thornbury, Vic.)

● While theoretically there should be no problems in integrating the Infrared Remote Control with the Playmaster Amplifier, you should approach the project with the full realisation that there

could be practical problems in obtaining completely satisfactory performance.

If you do attempt the project, we would recommend that you do not use a separate transformer but use the Ferguson PF 4361/1 transformer which has an outer copper strap and two extra 15V windings which can be used to derive the $\pm 5V$ supplies for the infrared receiver circuitry.

PLAYMASTER 145 MIXER: I require some information regarding a Playmaster 145 Mixer described in February, March and April 1975, that I am building, and I have problems with the input preamplifier.

I own a Uher 4200 Moss Stereo tape recorder. The output is $1V/15k\Omega$. Could you please explain how I can make $15k\Omega$ input on this preamp. The diagram is on page 38 of EA, March 1975.

On this diagram there is a choice to change to four inputs but I cannot work out how to have a $15k\Omega$ input. (G.P., Hectorville, SA.)

● Since your tape recorder has a comparatively high level output of $1V_{rms}$, it will not require a preamplifier board. All that you need do is to connect a $5k\Omega$ resistor in series with one of the $10k\Omega$ level controls to obtain a $15k\Omega$ input. Then adjust the sensitivity as required with the level control.