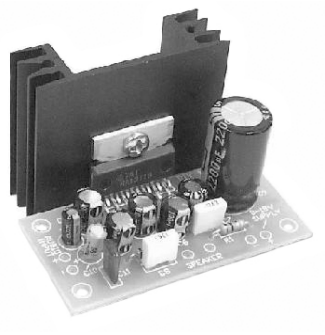
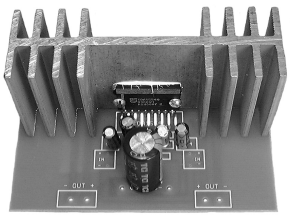
17-1/2 Watt Mono Amplifier



A high quality audio amp that can operate on a low voltage, 12 V DC recommended. Uses the Hitachi HA13001 IC and a dozen external components for a compact and powerful monaural amplifier. Builder must supply his choice of speaker (4 or 8 ohm) and some heatsink grease to apply between the IC and the heatsink. Includes PC board and all parts. Build two for stereo.

No. 80-1105

44 Watt Stereo Power Amplifier

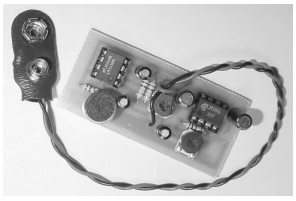


The circuit is a gem; a TDA1554 IC is the heart of an amplifier that will output up to 22 watts per channel with excellent sound quality. (Typical THD less than 0.1%!).

Originally intended for automobile use, but can be used as a home amplifier if you have a good power supply. Operates on 13 to 14.4 volts (typical automobile voltages with engine on) and can draw as much as five amps at 13.8 V DC.

No. 80-050

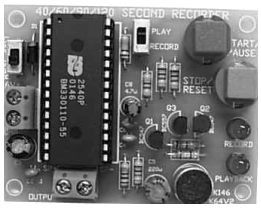
BIG EAR AMPLIFIER



SNOOP ON WILDLIFE IN YOUR NEIGHBORHOOD. The circuit can do for your ears what a telescope does for your eyes. A sensitive dynamic microphone element feeds a high gain audio circuit that can drive headphones or a small speaker. Instructions tell how to make a “dish” from poster board or even a lampshade. (Poster board not included.) Listen in remotely on wildlife from a huge distance. Can hear a conversation from a block away!

No. 80-272

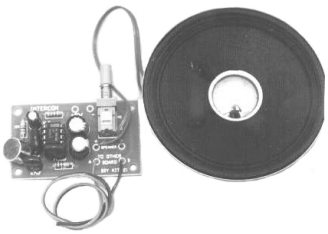
40 Second Message Recorder with Looping Option.



The circuit uses an information Storage Devices Corp. No. ISD2540 chip to store one or more audio/voice messages up to forty seconds (maximum time). If desired, the first message can be looped so that it plays repeatedly. Non-volatile; the message(s) is retained even when the power is removed.Output is to a User-supplied four or eight ohm speaker. The output is small, you may wish to add an LM386 amplifier kit (No. 80-170) or another amp to increase the volume for your application. The same circuit could be used with any of the ISD25xx chips in the series up to 120 seconds record time. Operates on 6 volts at 100mA maximum.

Message Recorder Kit.....**Part No. 80-146**

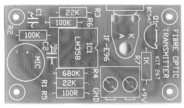
Two Station Intercom
(or hard wired Listener)



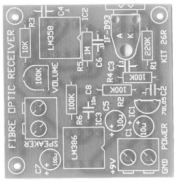
Two units employ LM386 IC’s in each station. These need to be connected using a pair of wires (about 22 or 20 gauge solid). you could power the remote from the base unit if you run four wires. Each station has its own mike, speaker and amplifier. May be set up to monitor baby’s room etc..

No. 80-210

Fiber Optic Audio Link



(PHOTO SHOWS BOARDS ONLY)



Uses a matched transmitter / receiver pair from either Motorola or Industrial Fiber Optics Co. Allows you to send sound through plastic 1mm fiber optic cable. Two circuit boards with a microphone at one end and a speaker at the other; (14’ fiber optic cable included). The maximum range is about 220 yards. This can be a Science Fair winner.

No. 80-260

Voice Changer

Your voice can be changed to add a vibration, like those used to disguise secret witnesses. Or, you may change your voice tone upward or downward; women sound like men and vice versa. Includes a very ROBOTIC voice as well. A microphone and speaker are included on the PC board, all that you need to add is a nine volt, transistor battery. This is a very novel and entertaining circuit.

No. 80-105

Sound Effects Generator

Another novel circuit, that might be useful for special theatrical effects. Or, if you are simply a practical joker. The circuit can produce sounds such as the tick-tock of a grandfather’s clock, a heart monitor (as in the hospital), water on a tin roof, a motor boat, cricket, etc.. Requires a 9 volt battery. Includes its own speaker.

No. 80-106