

## Installation of **bhi** NEDSP1062 KBD in Ten-Tec 307

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This article describes the installation of the **bhi** model NEDSP1062 KBD in the Ten-Tec Model 307 speaker cabinet.

The NEDSP1062 KBD module is inserted between the speaker input terminal block and the loudspeaker lugs. You must open the speaker by removing the top half of the cabinet. Next, unsolder the 2 existing wires between the speaker and the input terminals – discard wires. Mount the NEDSP1062 KBD main module to the bottom of the cabinet using the supplied machine screw, nut, and star washer. You must drill a 4mm (5/32) hole for the mount, and a second 4mm hole for the sounder as shown. The sounder is mounted using 2-sided foam tape, centering the sounder over the second hole. Refer to the photo for clarity.

The power connector is mounted to the rear of the cabinet as shown – use a 8mm (5/16) drill.

Lastly, the keyboard is mounted to the top of the cabinet, (or cabinet bottom, just forward of the bail handle) as depicted. It is not practical to mount the keyboard in a front-facing direction due to the fabric grille cloth. Use the supplied drilling information on p. 34 and 35. **IMPORTANT:** be sure to use the supplied plastic insulating washer between the nut and the PC board when mounting the keyboard to prevent accidental short circuit with the cabinet! Do not over tighten the screw.

Solder the input wires from the '1062 to the speaker input terminal block as follows: BLACK to (-) negative and RED to (+) positive. Solder the module output wires to the speaker lugs as follows: BLACK to (-) and BLUE to (+). Attach the labels, test the unit and make any necessary adjustments, then replace the top cover of the cabinet.

Note: power should be supplied by a well-filtered 12 V DC supply or from an auxiliary DC port on the radio. Do not use an ordinary wall wart supply having poor regulation and inadequate filtering.

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Installation pictures:

