March 31, 2023, Chuck Olson, Jackson Harbor Press

Keyall HV enclosure kit manual

Assembly:

1) first, build the Keyall HV kit per the kit manual.

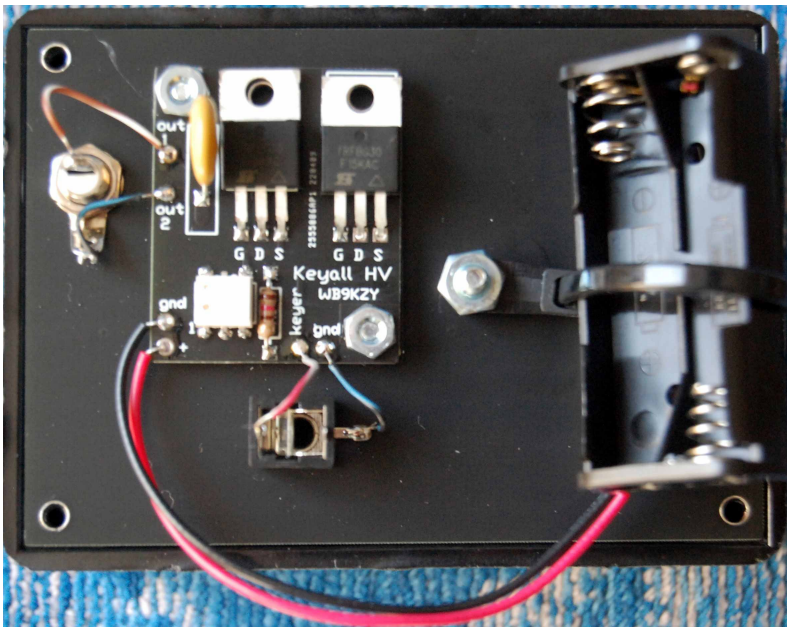
2) the AAA battery holder and jacks from the enclosure kit can then be wired to the board per the hookup diagram.

3) attach the included cable tie to the AAA battery holder as shown here:

Don't cinch the cable tie tightly to the battery holder, make it snug enough to hold but loose enough to allow the battery holder to be removed easily. A second cable tie is included just in case.

Then clip the cable tie end flush as shown here:

4) Attach the cable tie, circuit board and jacks as shown here:



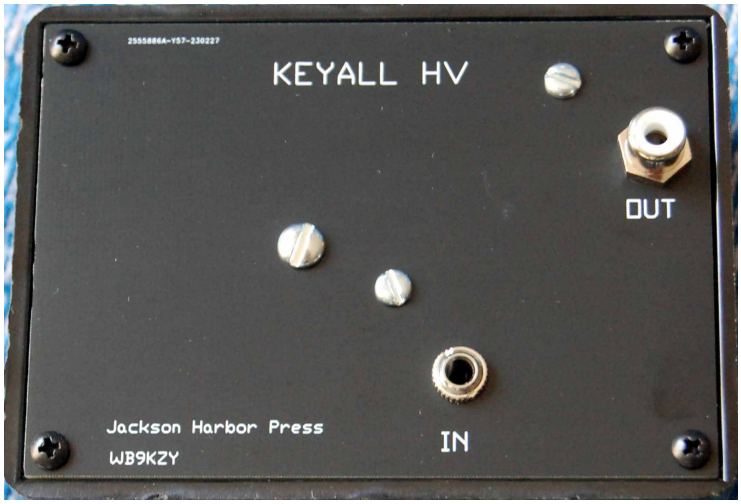
Use the 6-32 x 1/2” screw and nut to attach the cable tie.

Use the 4-40 x 5/16” screws and nuts to attach the circuit board (first attach the screw and nut to the front panel and then use the second nut to attach the circuit board).

Fasten the the two jacks to the front panel as shown.

Finally put the AAA cells into the battery holder and then insert it into the cable tie as shown.

5) Now place the front panel on the case and use the four 4-40 x 5/16” black screws to secure the top as shown:



6) modification ideas:

a) use a different battery holder

b) use different connectors

c) power the kit from an external supply rather than the AAA battery pack

Keyall HV enclosure kit stocklist:

Quantity	description
1	4 x 3 x 1.5" phenolic box
1	top plate, silk screened, pre-drilled
4	black 4-40 x 5/16" Philips screws
1	AAA 2 cell holder with red/black wires
2	black cable tie with mounting hole (used for holding the battery)
1	6-32 x 1/2" machine screw for mounting the cable tie/battery holder
1	6-32 nut
2	4-40 x 5/16" machine screws for mounting the circuit board
4	4-40 nuts for mounting the circuit board
1	3.5 mm mono input jack
1	RCA output jack

items NOT included with enclosure kit: wire, solder, 2 x AAA cells