

### INSTRUCTIONS FOR A16 RF TIGHT BOX

The A16 Box can be used to house FM Receivers, FM Exciters (including LPA 2-15 if desired), transmitting converters, and other modules. The bottom of the A16 Box can be screwed to a chassis if desired. If a pa is used, the box and chassis can be used as the heatsink in place of the normal heatsink, or the normal heatsink can be mounted on the outside of the box with the box wall as a sandwich. A little imagination will reveal many ways in which the A16 Box can be used.

When used for building a repeater, the Receiver should be in one box and the Exciter/PA should be in a second box. If a large pa is used, a separate box will be needed. Feedthru capacitors should be used for all control, power, and audio I/O's. BNC jacks are good for rf connections.

Hole sizes for various components are as follows. Six thread cutting screws are provided for the cover. Locations should be chosen based on which sides of the box are accessible after mounting. (Large clearance holes can be drilled in chassis to accommodate heads of PCB mounting screws protruding through bottom of box.)

Cover screw tap hole (base of box)	7/64 inch
Cover screw clearance (flange of box top)	5/32 inch
A17 BNC Jack	7/16 inch
A18 Feedthru Capacitor	7/32 inch
A19 Mounting Hardware Kit	1/8 inch