

SECTION 3 - INSTALLATION

3-1 - UNPACKING:

Remove packing material carefully. In case of hidden damage, notify carrier and file claim stating the extent of damage. Check all labels and tags for any special instructions. Fill out warranty registration card and mail it.

3-2 - LOCATION, FIXED OPERATION (AC): The SB-175 should be so located that free air circulation through the cabinet is not hindered. That is, do NOT put ANYTHING on top of the cabinet -- books, papers, another piece of equipment. The SB-175 may be placed on top of other equipment if said other equipment does not produce too much heat. Leave at least 2 inches of space on each side of the cabinet. The back of the cabinet may be placed against another object or wall, if necessary. The SB-175 uses larger front feet than rear ones to tilt the panel for easier viewing and operation.

3-3 - LOCATION, MOBILE: The SB-175 has four threaded female mounts (8-32 thread), two in each side of the cabinet. A bracket using either pair of these mounts may be locally fabricated or WRL's 175-MB mobile bracket can be used. The bracket should be such that there is at least 3/8 inch clear space above the top of the cabinet to allow for air circulation. 8-32 wing-screws are supplied with the WRL 175-MB bracket or may be obtained locally.

3-4 - POWER SOURCE, FIXED: A suitable AC power supply should deliver the following voltages:

- (1) Filament, 6.3 volts @ 4.8 amperes or 12.6 volts @ 2.4 amperes AC or DC.
- (2) Low B-plus, 300 volts @ 125 milliamperes.
- (3) High B-plus, 600 volts @ 300 milliamperes.

NOTE: If only CW operation is contemplated, the Low B-plus supply need be only 300 volts @ 100 milliamperes. If only AM, SB or novice-rating CW operation is contemplated, the High B-plus supply need be only 600 volts @ 200 milliamperes.

We recommend the World Radio PSA-63 power supply with PSA-PTT push-to-talk kit added. A matching cable is also available. The PSA-63 is available in wired or kit form.

3-5 - POWER SOURCE, MOBILE: The SB-175 can be used with either 6 or 12 volt automotive electrical systems (see Section 3-6 for connections). A suitable DC supply must deliver 300 volts @ 125 milliamperes and 600 volts @ 200 milliamperes for AM or SB operation. This is suitable for low-power CW