

# INSTALLATION

## CAUTION

*Never remove the cabinet or bottom cover when power line voltage is connected. Highly lethal voltage is used in this amplifier. Allow at least one minute for capacitors to discharge after turning the amplifier off and pulling the plug.*

## GENERAL:

1. Refer to the pictorial in Figure 1 when making the installation. Connect a short length of coaxial cable (RG-58 or RG-8) from the transceiver or exciter to the coaxial input jack on the 1200-X. A PL-259 type connector is required at the amplifier end of the cable. This cable should be as short as practical and preferably not more than 5 feet long.

2. Connect the relay control cable to the auxiliary relay jack on the Swan 270B or 300B. When using the 1200-X with other Swan transceivers, it will be necessary to perform the following steps:

- (a) Remove bottom of transceiver and install RCA type phono jack on the back of the transceiver. Be sure to insulate the jack from the chassis.

- (h) Locate Relay K1, and connect a wire from the +12 volt side of the relay coil to the center conductor of the phono jack.
- (c) Connect another wire from the other side of the relay coil to the common side of the Phono Jack.
- (d) By-pass both terminals of the Phono jack with .01 mfd disc. capacitors. (TVI suppression.)
- (e) Install phono plug from 1200-X into phono jack on transceiver for relay control of the amplifier.
- (f) Connect the antenna coax, or dummy load, to the output jack. If a low pass filter is to be installed to reduce TVI, connect it between the output jack and the antenna.

3. For transceivers or exciters other than Swan, refer to the inset detail on the 1200-X schematic for the necessary changes to the relay circuit. Locate the terminal strip with the black and red wires from the control cable. The Terminal strip is located near the rear of the chassis next to where the relay control cable exits from the chassis.

4. See the special instructions at the back of the manual for connecting and operating the ALC with the 270B, 300B, 500CX or 700CX Transceivers.

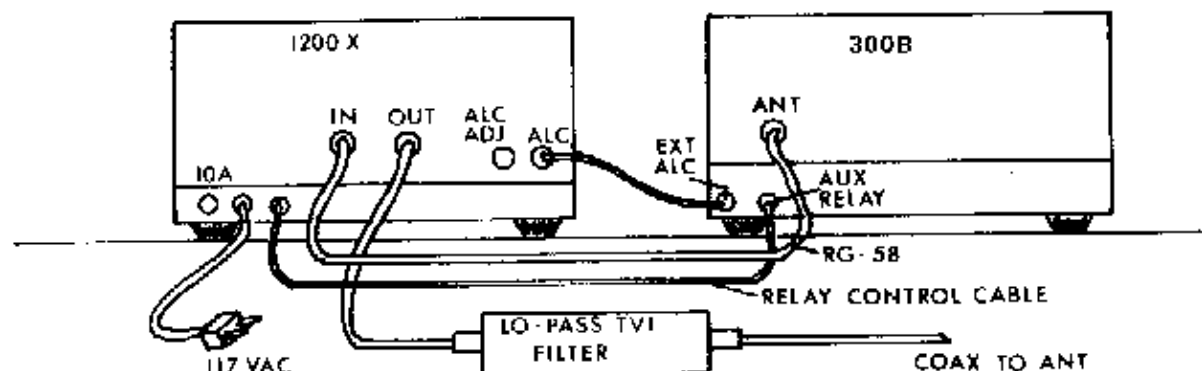


FIGURE 1. REAR VIEW – TYPICAL INSTALLATION USING SWAN 270B OR 300B