MAX. – Provides MAXIMUM clipping of impulse type noise. Most effective on the higher bands, particularly on 10 meters.

I.C.A.F. ADJUSTABLE AUDIO NOTCHER-PEAKER (600-R Custom Only)

A.F. TUNE – Adjust frequency of Notch or Peak.

NOTCH – An unwanted tone can be nulled out by rotating the A.F. TUNE control.

OFF – The Integrated Circuit NOTCHER-PEAKER is switched out of the circuit in this position.

PEAK – A desired CW tone is adjusted for maximum strength by rotating the A.F. TUNE control.

SELECTIVITY – Used in conjunction with the PEAK position of the control switch. Reduces bandwidth when turned clockwise, and increases bandwidth when turned counter clockwise. Normally this control will be set to about 12 o'clock.

PRE-OPERATING ADJUSTMENTS:

Perform the following adjustments before plugging the line cord into an AC receptacle.

1. Turn POWER switch to OFF by rotating the A.F. GAIN control full counter clockwise.
2. Set Function Switch to "ON" position. Set to EXT MUTE position if the 600-R is interconnected with a Swan Model 600-T Transmitter or Swan Transceiver.
3. Connect a 50 to 75 ohm antenna to the "J1 ANTENNA" jack on the rear panel of the receiver. Refer to Figures 2, 3, or 4, whichever applies.
4. Be sure that all plugs are fully inserted into their respective connectors. As received from the factory, the 600-R is prepared to operate on its own, having a jumper plug in the "EXT OSC" socket.
5. Plug the 117 VAC power cord into a 117 volt 50-60 cycle receptacle. If the receptacle to be used does not have provisions for the third pin, which is a grounding pin, an adaptor will be required, or the pin may be cut off. Adaptors are available from electronic or hardware stores. A separate ground wire run to the 600-R chassis is then recommended.

RECEIVER OPERATION:

Rotate the A.F. GAIN control clockwise to about the 3 o'clock position. The power switch will operate applying filament, bias, medium, and high voltage to the receiver.

Wait approximately one minute to allow the tube filaments to reach operating temperature. During this period, perform the following steps:

1. Rotate the BAND SWITCH to the desired band.
2. Rotate the PRESELECTOR control to the approximate frequency. The Upper Scale is for 40, 20, 15, and 10 meters, and the Lower Scale is for 80 meters.
3. Rotate the R.F. GAIN control fully clockwise.
4. Set the SIDEBAND SELECTOR switch to NORMAL sideband position.
5. Set the SELECTIVITY switch to the "2.7" position.
6. Set the VFO CONTROL switch to the SPLIT position.
7. Set the Function Switch to the ON position. If the 600-R is interconnected with the 600-T, or Swan Transceiver, set the Function Switch to the EXT MUTE position.
8. Select the desired AGC operating condition, SLOW-FAST-OFF. The SLOW position is normally used.
9. Rotate the MAIN TUNING control to the desired frequency.
10. Set the NOTCHER-PEAKER control to the OFF position: (Swan 600-R Custom only).
11. Set the I.F. Noise Blanker to OFF position: (Swan 600-R Custom only).
12. Rotate the DIAL SET control to 0, or 28.5 position if operation is on 10 meters.

RECEIVER TUNING:

The Main Tuning Dial has a white scale reading from 0 to 200 kc, which is used for 80, 40, 20, and 15 meter tuning. Below this scale is a separate green scale reading from 0 to 500 kc, which is used only for 10 meter tuning.

The DIAL SET control has a white scale reading from -400 to +400 kc, which is used for 80, 40, 20, and 15 meter tuning. Below this scale is a green scale reading from 28.0 to 29.2 mcs., which is used only for 10 meter tuning.

SSB RECEPTION:

To receive SSB transmissions:

1. Set SIDEBAND SELECTOR switch to NORMAL sideband position. This provides for reception of Lower Sideband on 318 and 7.1 mc. bands, and Upper Sideband on 14, 21, and 28 mc. bands. If a station is transmitting opposite to this normal arrangement, then switch to "OPP".