OPERATION

CONTROL FUNCTIONS:

ON-OFF SWITCH (On A.F. GAIN Control)
Turns power supply on and off.

A.F. GAIN
Controls potentiometer R601 in grid circuit of V6 A.F. Output. Controls Audio volume.

R.F. GAIN
Controls variable resistor R107. Controls gain of R.F. Amplifier V1, I.F. Amplifiers V3, V4.

SIDEBAND SELECTOR
AM – Removes the negative 12 volts from the BFO Oscillator Q9.
NORMAL – Selects the NORMAL 5500 kc crystal. This provides LSB operation on 80 and 40 meters, and USB operation on 20, 15, and 10 meters.
OPPOSITE – Selects the OPPOSITE 5503.3 kc crystal. This provides USB operation on 80 and 40 meters, and LSB operation on 20, 15, and 10 meters.

SELECTIVITY
0.6 – This position is used when the optional accessory 600 cycle CW filter is installed.
2.7 – Selects the standard 5500 kc, 2.7 kc passband, 1.7 shape factor, Crystal Lattice Filter, or the optional accessory SS-16B, 5500 kc, 2.7 kc passband, 1.28 shape factor, 16 pole Super Selective Crystal Lattice Filter.
6.0 – This position is used when the optional accessory 6 kc AM filter is installed.

VFO CONTROL
XCV-R – When the VFO CONTROL is in the XCV-R position, the 600-R and 600-T, or Swan Transceiver operate TRANSCEIVE, with the 600-R VFO controlling the receiver and transmitter frequencies. The transmitter will transmit on the same frequency that the receiver is tuned to. When the 600-R is used with the 600-T, the Dial Lights on the transmitter will go out in this position.

SPLIT – When the VFO CONTROL is in the SPLIT position, the receiver VFO controls the receive frequency, and the transmitter/transceiver VFO controls the transmit frequency.

XCV-T – When the VFO CONTROL is in the XCV-T position, operation is TRANSCEIVE, with the transmitter VFO controlling the transmitter and receiver frequency. The receiver will be tuned to the same frequency that the transmitter is tuned to. When the 600-R is used with the 600-T, the Dial Lights on the receiver will go out in this Position.

FUNCTION SWITCH
STBY – The R.F. Amplifier V1, I.F. Amplifiers V3, V4, and the First Audio Amplifier V5B are biased to cutoff.
ON – The bias line is grounded through a contact on S3, removing the cutoff bias to V1, V3, V4, and V5B.
EXT. MUTE – This position provides external muting of the receiver by ungrounding the bias line through pin 9 of the "TO 600-T" socket on the rear panel of the receiver. When the 600-T or Swan Transceiver is interconnected with the 600-R, the receiver is automatically muted when the transmitter is keyed.
CAL. 100 kc – A calibration marker is provided every 100 kc for accurate dial alignment.
25 kc – A calibration marker is provided every 25 kc for accurate dial alignment.

DIAL SET
Zero beats the calibration markers for accurate dial alignment. Extends the frequency segments for extended coverage. Controls C1107 in VFO circuit.

MAIN TUNING
Controls C1106 in frequency determining VFO circuit.

BAND SWITCH
Switches grid and plate coils, and associated capacitors of antenna input circuit, R.F. Amplifier V1, Mixer V2, and VFO circuit.

PRESELECTOR
Controls C104A and C104B in the grid and plate circuits of V1 and V2.

AGC
SLOW – Switches C704 into the AGC circuit, which slows the action of the amplifier.
FAST – Switches C704 out of the AGC circuit.
OFF – Grounds the AGC Amplifier.

I.F. NOISE BLANKER NB-600 (600-R Custom Only)
OFF – Switches the I.F. NOISE BLANKER out of the circuit. Signal passes straight through to the Crystal Filters.
MED. – Provides MEDIUM clipping of impulse type noise. Normally used on the lower bands where strong signals may tend to overload in the "MAX" position.