

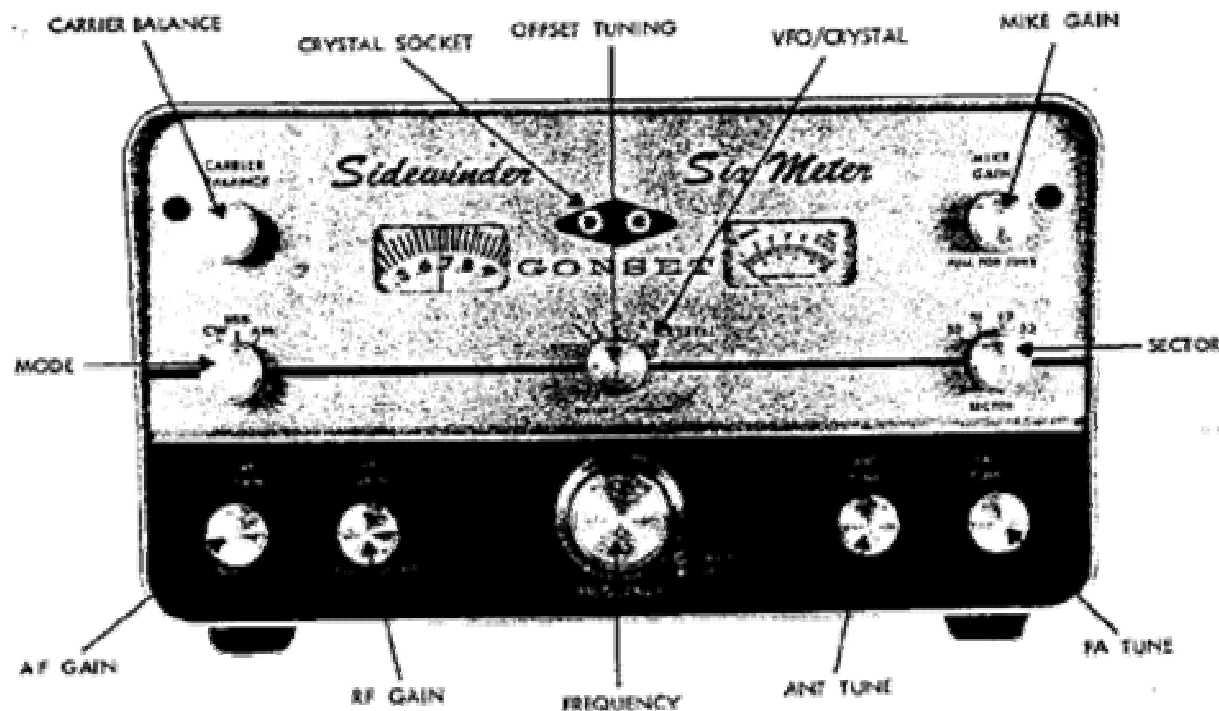


Figure 1

CONTROLS AND FUNCTIONS

Carrier Balance	The "Carrier Balance" knob controls the null of the balanced modulator during sideband transmission. Also, it controls the carrier level during AM transmission.	AF Gain	The "AF Gain" knob is a dual function control. Initial rotation turns the unit ON and further rotation increases the AF gain. NOTE: The pilot lamp will turn on with the unit only if the filament switch is on. See RF Gain.
Mode	The "Mode" selector control is used to select the mode of operation for both transmit and receive.	RF Gain	The "RF Gain" knob is a dual function control. Pulling the knob out switches power to the dial lamps and the filaments of the transmitter final stages. Pushing this knob in turns off the filaments and the dial lamps, thereby conserving power. Rotating the knob clockwise increases the RF gain.
Offset Tuning	The "Offset Tuning" control will tune the receiver $\pm 1\frac{1}{2}$ kc from the transmit frequency.	Frequency	The "Frequency" tuning control determines the exact frequency of operation within the selected one megacycle sector. This control is not used for the transmitter when the Crystal-VFO switch is in one of the crystal positions.
VFO/Crystal	The "VFO/Crystal" switch (the lever behind the "Offset Tuning" control) determines if the transmitter will be VFO or crystal controlled; if crystal controlled, the numbers on the crystal side of the switch indicate which crystal has been selected.	Ant Tune	The "Ant Tune" control knob is used only during transmit and tunes the antenna link for the most effective impedance match between the transmitter tank and the antenna.
Mike Gain	The "Mike Gain" knob is a dual function control. Rotating the knob clockwise increases the microphone input to the transmitter; pulling out the knob overrides the T/R relay control in the microphone switch and holds the T/R relays in transmit. This function is used principally during the transmitter 'tune-up' procedure.	PA Tune	The "PA Tune" control knob is used only during transmit and tunes the transmitter final amplifier.
Sector	The frequency "Sector" switch selects the one megacycle segment of the six meter band in which the unit will operate.	Crystal Socket	The crystal socket on the front panel is selected by position 1 on the "VFO/Crystal" switch.