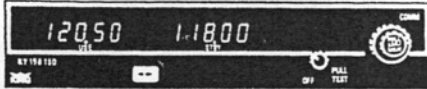


After about 2 seconds, the channel number will disappear and the active frequency will again appear in the "use" window. The programmed frequency associated with the selected channel will remain in the "standby" window.



2. Push the frequency transfer button to flip-flop the frequencies. Now the frequency associated with the pilot programmable channel becomes the frequency in use.

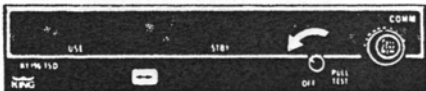


NOTE: With the smaller frequency selector knob pushed "in", the kHz portion of the frequency operation is identical to that of the Frequency Mode with one difference: Rotating the smaller selector knob now changes the "standby" frequency in 25 kHz steps rather than 50 kHz steps.

Direct Tune Mode

The Direct Tune Mode is a backup mode which allows frequency changes to be made directly into the "use" window. To enter the Direct Tune Mode:

1. Turn the COMM Volume Control counterclockwise to the "off" position.



2. Hold the frequency transfer button in while turning the COMM Volume Control Knob to the "on" position.



Release the frequency transfer button. The "use" and "preset" window will both display 120.00 MHz. The frequency selector knobs can now be used to directly tune the active frequency.

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NOTE: The 120.00 MHz frequency always appears initially when entering the Direct Tune Mode. This serves as a benchmark so the pilot can tune the radio to the frequency he wants by counting detents if the radio malfunctions and the display goes blank. The larger frequency selector knob will change the numbers to the left of the decimal 1 MHz per detent. The smaller knob changes the number to the right of the decimal 50 kHz per detent when pushed "in" and 25 kHz per detent when pulled "out".



3. If you wish to access the 121.5 emergency frequency, turn the larger frequency selector knob one detent clockwise and the smaller knob (pushed "in") ten detents either clockwise or counterclockwise.

To Exit The Direct Tune Mode

Push the frequency transfer button and you will exit the Direct Tune Mode.

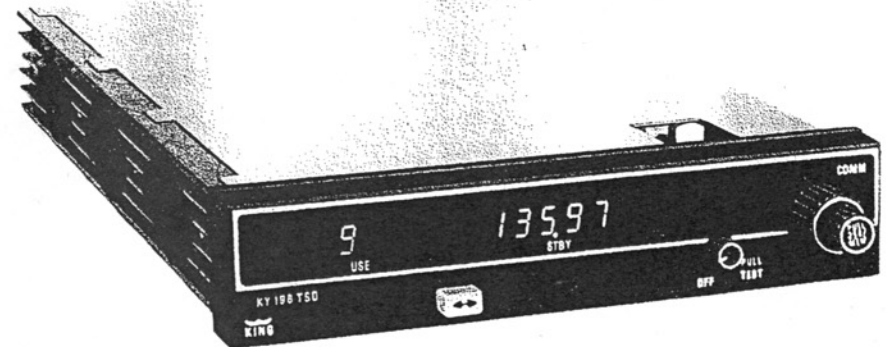
PILOT'S GUIDE

KING KY 196 AND KY 197

SILVER CROWN COMM TRANSCEIVERS.

This Pilot Guide provides easy reference on the operation of the KY 196/197.

NOTE: KY 196/197s which allow the four modes of operation may be easily identified by noting that "Pull 25K/MEM" is on the smaller frequency knob on the radio. If this knob has nothing written on it or only "Pull 25K", the unit will only operate in Frequency Mode.



Honeywell

KY 196/KY 197 operation.

Turn-On

Rotate the ON/OFF/Volume Control Knob clockwise from the detented "off" position. Power will be activated and the unit will be ready to operate. The mode of operation and frequencies displayed will be those last used. No warm-up time is required. To override the automatic squelch for audio test, pull the volume control knob "out" and rotate to the desired listening level. Push the knob back "in" to activate the automatic squelch.

Note:

As with all avionics, the KY 196/197 should be turned on only after engine start-up. This is a simple precaution which will help protect the solid-state circuitry and extend the operating life of your avionics equipment.

Transmit Indicator:

A lighted "T" will appear between the "use" and "standby" displays to indicate that the mic has been keyed.

The Frequency Mode

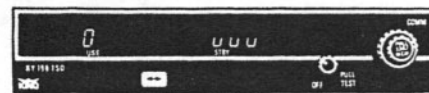
To enter the Frequency mode:

1. Enter the Program Mode first by pushing the frequency transfer button and holding it for approximately 3 seconds until a flashing channel number appears in the "use" window.



NOTE: The flashing channel number indicates the unit is in the Program Mode. The unit will drop out of the Program Mode in approximately 20 seconds unless one of the frequency selector knobs is rotated within this period.

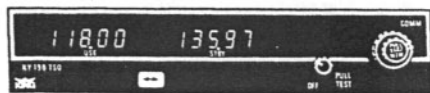
2. Pull the smaller frequency selector knob "out" and turn until a flashing zero is displayed in the "use" window. The "standby" window will display either "uuu" or "---".



3. If the "standby" window is displaying "uuu," push the smaller concentric frequency selector knob "in" and rotate it one step in either direction until "---" is displayed in the "standby" window.



4. Push the frequency transfer button momentarily. A frequency will appear in both displays. The unit is now in the Frequency Mode of operation and will remain in this mode through power shutdowns or until the pilot manually selects another mode.



To Operate In The Frequency Mode:

1. Select A New Frequency. Rotate the frequency selector knobs to enter the desired frequency into the standby window. Clockwise rotation increases the frequency, counter-clockwise decreases it. The outer, larger knob changes the MHz portion of the frequency, while the smaller inner knob changes the kHz portion. The smaller knob causes changes of 50 kHz when pushed "in" and 25 kHz when pulled "out." When reaching the outside of the band (either 135 MHz or 118 MHz), further knob movement will cause the display to wrap around to the other end of the band. (That is 135 MHz advances to 118 MHz).



2. Press The Transfer Button To Activate The New Frequency. By pressing the transfer button, the newly entered frequency in the "standby" window flip-flops with the frequency in the "use" window and this new frequency then tunes the radio for operation. It's easy to tune two frequencies and switch back and forth in this manner.



The Program Mode

The Program Mode is used to set memory locations for use in the channel mode of operation.

To enter the Program Mode:

1. Press the transfer button and hold it in until a flashing channel number appears in the "use" window.



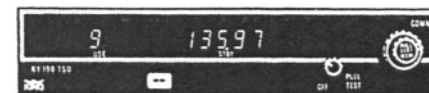
2. Pull the smaller frequency selector knob out and turn it until a flashing zero appears in the "use" window. The "standby" window will display either "uuu" or "---".



3. If the "standby" window is displaying "---", push the smaller frequency selector knob "in" and turn it one step in either direction. "uuu" will then be displayed in the "standby" window.



4. Pull the small frequency selector knob out and rotate it to select the desired channel to be programmed which will appear in the "use" window.



You Are Now Ready To Program A Preset Channel. Continue As Follows:

5. Push the small frequency selector knob "in" and select the frequency by rotating the larger selector knob to change the MHz portion of the frequency, and the smaller knob to change the kHz portion in 25 kHz steps.

To Program Additional Channels Repeat Steps 4 And 5

NOTE: If you wish to program less than 9 channels and have certain channel numbers skipped over when operating in Channel Mode, proceed as follows: Rotate the MHz frequency knob left or right beyond 135 or 118 MHz. Dashes "---" will appear in the "standby" window. This indicates that the affected channel number will be skipped when operating in the Channel Mode.



To Exit The Program Mode:

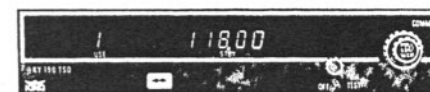
1. Press the frequency transfer button or wait 20 seconds with no switch activity and the KY 196/197 will return to the Channel Mode automatically.

The Channel Mode

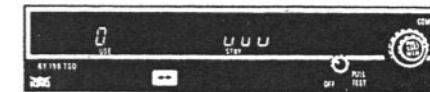
The Channel Mode is used to recall preset channels stored in memory for use in operating the KY 196/197. To enter the Channel Mode:

1. Push the frequency transfer button and hold it for 3 seconds until a channel number appears flashing in the "use" window.

NOTE: The flashing channel number indicates the KY 196/197 is in the Program Mode. The unit will drop out of the Program Mode in approximately 20 seconds unless a frequency knob is rotated during this time.



2. Pull the smaller frequency selector knob "out" and rotate until a flashing zero appears in the "use" window. If the "standby" window is displaying "---", push the smaller selector knob "in" and rotate it one step in either direction until "uuu" is displayed.



3. Push the frequency transfer button momentarily (or simply wait 20 seconds as described in the note above). A frequency will appear in both displays. The unit is now in the Channel Mode of operation and will remain in this mode through power shutdowns until the pilot manually selects another mode.



To Operate In The Channel Mode, Proceed As Follows:

1. Pull the smaller frequency selector knob out and rotate it in either direction to select the desired channel number in the "use" window. The frequency programmed for this preset channel appears in the "standby" window. (The active frequency remains the same although it is temporarily not displayed.)



(Continued on back)