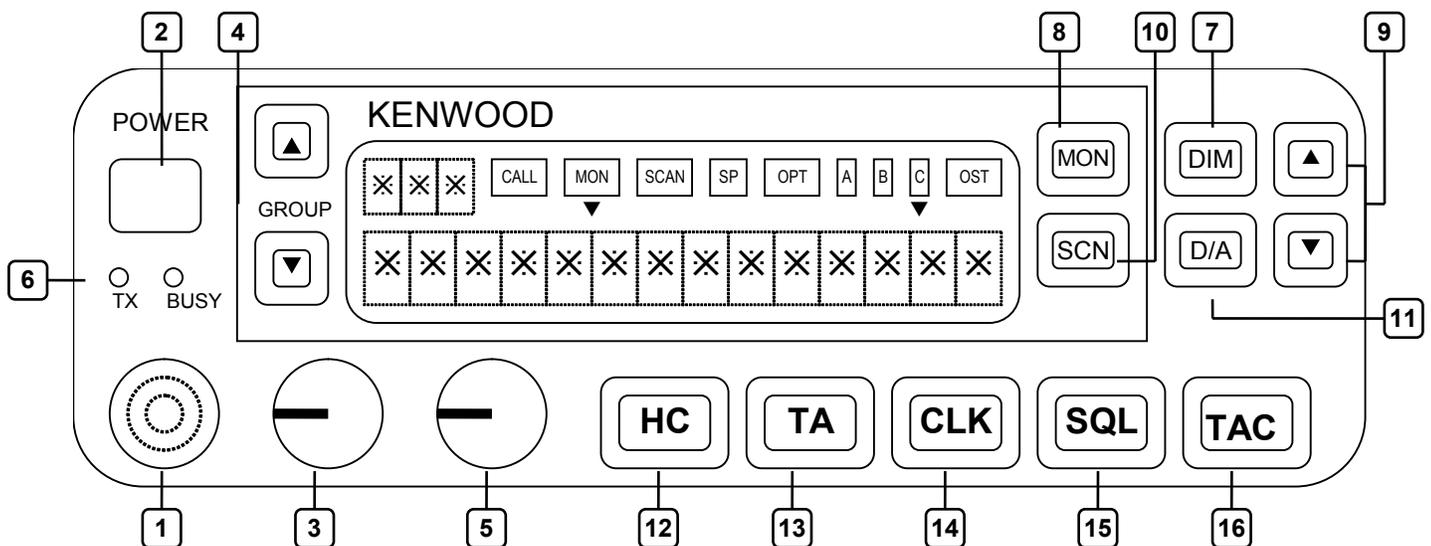


OPERATIONS BULLETIN #33

Subject: *Cal OES Engine Mobile Radios*

TK-5710 CAL OES F&R/CAL FIRE USER GUIDE



1. Microphone connector.
2. **POWER** switch - Press & hold for 1sec to switch the power ON (or OFF). A double beep will sound. Display will show gray-out, then "SELF TESTING" before illuminating to orange. Current Load Version "OES/CDF Vxx" will momentarily display, then last group used will momentarily display before resting on last channel used.
3. **VOL** (Volume) control - Turn clockwise to increase the volume, and counter-clockwise to decrease it.

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4. **GRP** (Group or "Zone") keys - Press **GRP Up** arrow to increase the group selection by one step. Press **GRP Down** arrow to decrease the group selection by one step. A single short beep will sound with each up/down action. A longer beep will sound when the first group is selected from either up or down.
5. **CH** (Channel) control - Turn clockwise to increase the channel selection ("up"), and counter-clockwise to decrease it ("down").
6. **TX**, **BUSY** indicators - The **TX** (red) indicator lights while transmitting. The **BUSY** (green) indicator lights while the selected channel is in use.
7. **DIM** key - Press this key to adjust the brightness of the display and key backlight.
8. **MON** (Monitor) key - Press to disable the CTCSS. {Used for weak signals that may not break PL Tone.}
9. **CTCSS SELECTION** keys - -"Operator Selectable Tone". This version TK-5710 use the two up/down arrows keys to cycle through the state standard 16 custom CTCSS encode tones. A short beep will sound on each selected tone. When selected the Tone # and tone frequency will momentarily be displayed. **OST** (Operator Selectable Tone) will be displayed in the upper right quadrant of the main display as a reminder that CTCSS is ON. The tone number will be displayed in the 3-digit display on the left side. In addition to the established state standard tones the remainder of all 39 tones is included. For safety, the radio operation system does not permit OST operation on channels that have been pre-assigned a transmit tone via master programming. A low tone beep will note of this feature. The radio will automatically memorize the last tone the user set for a particular channel, even when the radio is turned off or unplugged. Different operator selectable tones can be assigned, or reassigned, individually to any channel desired. The radio will always remember which tone the user assigned or if no operator selectable tone was assigned to a particular channel at all. Once tones have been assigned for a particular incident, the operator need only change channels – tone selection becomes automatic.
10. **SCN** (Scan) key: Press to start (or Stop) the scanning sequence. A single beep will sound for starting, a double beep for stopping. When scanning, the radio will display "**SCAN**" in the center top display. Use with **D/A** key.

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11. **D/A** (Delete / Add) key - Press this key to delete a channel and group to the scanning sequence.
 - 1) To build a scan list first select the Group. Press **D/A** to add that Group. An icon ▼ will appear above the channel name. To add a channel to the group press the **D/A** key when on a selected channel and an icon ▼ appears on the right center of the display showing this channel is now added to a scan list.
 - 2) If a channel is in the scanning sequence, and you want to delete it, press the **D/A** key while the channel is displayed. The channel icon disappears. If a group is already in the scanning sequence, and you want to delete it, press and hold this key for 2 seconds. The group icon disappears.
 - 3) Press this key while scanning when an undesired channel is displayed, to temporarily delete it from scan. If there are only 2 channels in the scanning sequence, this function cannot be performed. To restore the original scanning sequence, turn scan OFF, then ON, or turn the transceiver OFF, then ON.

12. **HC** (Home Channel) key - Home Channel is user selectable. Select a channel you want as your 'home'; press and hold this key to assign that channel as the Home Channel. A triple beep will acknowledge the selection and "**HC**" will appear in the 3-digit display on the left. Press it again to return to the previous operation, a double beep will acknowledge this completion. When on another channel, pressing **HC** will immediately take you to your pre-designated home channel within that Group of channels. Pressing **HC** again will return you back to your previous channel. A single beep will acknowledge your selection and a double beep will acknowledge the de-selection.

13. **TA** (Talk Around) key - Press this key to make a call without using a repeater. This function is useful when you are close to the mobiles you want to talk to. When you activate this function, a single beep acknowledges the selection and "**TA**" appears on the 3-digit display on the left. When deselecting, a double beep acknowledges return to previous operation.

14. **CLK** or **Blank** - Either a 24HR Clock feature or blank is in Cal OES Fire & Rescue engines.

15. **SQL** (Squelch Level) key - You can manually adjust the squelch level using this function.
 - 1) Press the **SQL** key. A tone sounds and "**SQL.LEVEL 6**" {or another level number} appears in the display with the current squelch level. **MON** appears above the main display.
 - 2) Press the **GRP Up/Down** keys to select the desired level.
 - 3) Pressing either the **TA**, **HC** keys will return to the channel display. A double beep will sound.

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16. **TAC** (Command Group/Zone) key – Creating, accessing and using the TK-5710 command group:
- 1) The TK-5710 **TAC** key allows any channel, or any group of channels, to be copied to an automatically created Command Group or Zone.
 - 2) To add a channel or group of channels to the command group simply press and hold the **TAC** key, one short beep indicates channel copy, one long beep indicates group copy.
 - 3) To select the Command group or channel, press the **Group Down** arrow (Item #4 above), a beep will sound and '**TAC**' will appear on the left side of the display above the channel name.
 - 4) Individual channels can be removed from the Command group, or the entire group can be permanently deleted, by the following procedure. In addition, command group channels may be skipped in the scan list using normal scan ADD/DEL method described above in item #11. To remove a channel, first enter the command group and press and hold the **TAC** key for two seconds, two beeps will sound and the channel will disappear. To remove the entire group, press and hold the **TAC** key for ten seconds. After two short beeps, a long beep will sound and the Command group is now erased. The word '**TAC**' will disappear and the display will revert to its previous settings.