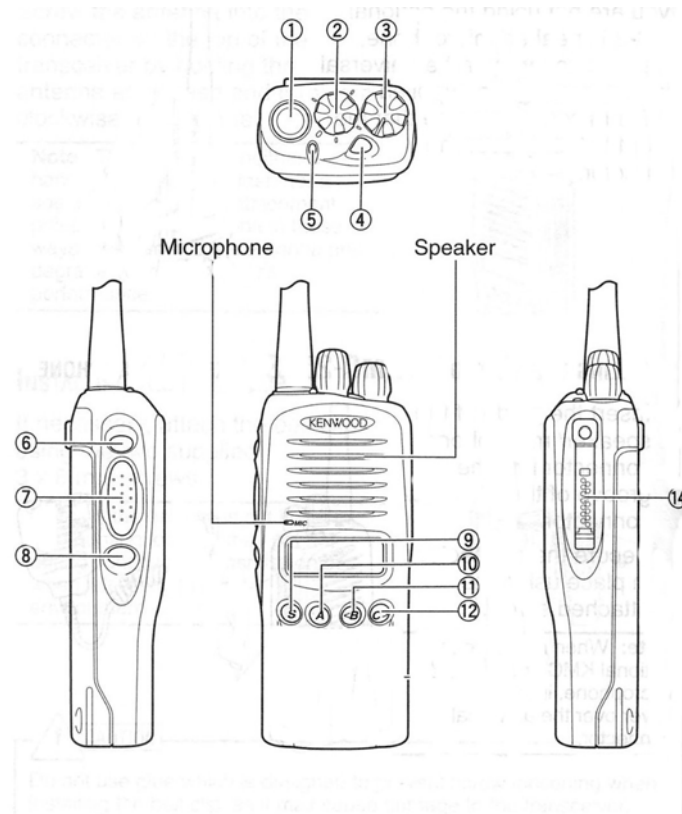






Kenwood 2180 Radio Operation



1. Antenna connection point
2. Channel selector
3. Off / On & Volume
4. Display backlight (5 seconds) also the Function Key
5. In use light (green receiving, red transmitting, orange low battery)
6. Change Group / Clock (with Function key)
7. Press to talk
8. Change Group
9. Scan off / on
10. Press to add or delete channels from a scan group
11. Replay last 30 seconds (lower squelch in conjunction with #12)
12. Access squelch adjust and increase squelch (with Function key)
13. (Key pad feature not included on our 2180 Models)
14. Speaker / Microphone connection

Display & Icons

1. Signal strength (shows when receiving)

-  Strong signal
-  Medium signal
-  Weak signal
-  Very weak signal





3. Radio in Scan Mode (shows above the word “Scan”)



4. Priority channel

P:

5. Battery status

-  High power
-  Medium power
-  Low power
-  Very low power

Programming:

Groups:

There are five groups of channels programmed into the radio. To insure interoperability it was agreed that each radio in the county would have these same groups. The groups include:

SJIFIRE or ZN1 This is our basic working group for responses on island.

County Fire or CNTYFIR GRP This group is designed to be used in mutual aid fire responses between islands.

MCI or CNTYFIR MCI This group is designed to be used in Mass Casualty Incident responses.

Marine Group or CNTYFIRE MAR This group is designed to be used in marine related responses.

PTT Lockout or SOUTH LOCK This group is designed to allow you to monitor common frequencies but to not transmit if the Push To Talk button in accidentally pressed.

Channels included in the various groups include

South, also appears as South ZN1

Our repeater located on Hillview Terrace..

North

Our repeater located near the east end of the Roche Harbor runway.

Tac 3

Tactical frequency used for fire ground operations.

Tac 4

Tactical frequency (our default channel for traffic control)

SJEMS

San Juan Aid unit operating frequency.

FH Fire, also appears as CNTYFIR GRP, CNTYFIR MCI, CNTYFIRE MAR,

The channel used by FHFD, Lopez & Shaw Fire and EMS

Orcas Repeater

Orcas Fire & EMS's main operational frequency.

OSCCR

On Scene Command and Coordination Radio, State Department of
Emergency Management operational frequency.

VCALL

State tactical frequency

VTAC11

State tactical frequency

VTAC12

State tactical frequency

FERRY

WSF Bridge to deck and bridge to dock frequency.

STRPTR #4

State repeater #4 used by DNR.

MAR16

Hailing channel for marine operations.

MAR 22A

Operating channel for marine operations.

DNR COMMON

Channel we may use when working with DNR on outer-islands.

DNR A/G

DNR air to ground communications.

DNR ST RPTR

Another commonly used DNR repeater.

VICTORIA WX

Victoria weather forecasts.

RedNet

Used by incoming mutual aid in the event of a mobilization

NOTE: Orcas Fire & EMS also uses this channel when they are out of range of their repeater.

AIRLIFT NW

Airlift Northwest's operating frequency.

HEAR

Hospital Emergency Alerting Radio used for ambulance to hospital and ambulance to base communications.

FH PORT

Port of Friday Harbor operating frequency.

CA CG 4

Coast Guard group communications.

PUGET WX

Puget Sound weather forecast.

MAR 66A

Operating channel for marine operations.

MAR 81A

Operating channel for marine operations.

Operation:

Batteries.

If you leave a battery in the radio and place it in the charging base you may not receive any radio traffic including page or alert tones. If left in the charging base a battery will cycle; attain a full charge then begin to discharge. For

this reason you are issued two batteries. You may use one in the receiver during the day and the other at night.

Turn on:

Insert a charged battery and turn the radio ON (knob # 3 above)

Select channel(s):

You should use the SJIFIRE or SOUTH ZN group as the default setting.

To add a channel to your scan group:

Rotate the channel selector knob until the desired channel is shown on the display; press the “A” button. An inverted triangle will appear above of the displayed channel name, to the left of center.

Continue as above to select channels to be scanned.

Once selected scroll back to that which you wish to use as your “main” channel. This is the channel you want the radio to default to when you press the push to talk button.

Press the “S” button.

Which ever channel name is displayed when you press “S” is the channel you will automatically transmit on when you press the push to talk button.

You may note while selecting channels that each channel is designated with the

P:

icon. This allows the above feature to operate properly (Any channel selected may be “primary”).

Transmitting and receiving:

You will receive transmissions only on the channel displayed or channels selected as part of a scan group.

When you press the push to talk you will transmit on the selected channel or, if you are scanning the channel that was displayed when you pressed “S” to begin scanning.

Your radio will “dwell” on a channel for 2 seconds after receiving a transmission on a scanned channel. This allows you to reply on that channel without changing the settings on your radio. Conversely, you must wait before transmitting on a different channel.

Playing back received traffic:

To play back the last 30 seconds of received transmission press “B”.

Storing received traffic:

You may store recorded traffic by pressing “B” to replay. While replay is in progress screen reads “Store”. Press button #8 display will read “Writing”. Once recording is complete press button #6 to return to operational mode, to replay press “B” again.

To delete begin replay then press “A” display reads “Delete” to do so press “S”, display will change to “Empty”.

Clearing received traffic:

The easiest way to clear stored traffic is to turn the radio off then on again. Alternatively, follow instructions under Storing traffic.

Setting the clock:

To set the internal clock to display the correct time turn unit off then, while depressing “C” button turn unit back on. The display will read “Year”. Rotate channel selector knob to change year or press “S” to advance to month, day, hour and minute, adjusting each as necessary. Turn radio off then back on to exit time programming and return to normal operation.

Microphone:

The buttons on the remote microphone have been disabled beyond turning on the backlight to avoid accidental changes to the radio’s settings.