KENWOOD 800 DTR

	LOCAL
CC SAR N	Chaffee SAR North
CC SAR S	Chaffee SAR South
CC MAC	Chaffee Mutual Aid Channel
CHAF MAC	Chaffee Mutual Aid Channel
CC LAW	Chaffee Law
CCLAW TAC 1	Chaffee Law Tactical 1
CC OEM	Chaffee Office of Emerg Mgt
CC FRE	Chaffee Fire
CCFRE TAC 2	Chaffee Fire Tactical 2
CCFRE TAC 3	Chaffee Fire Tactical 3
CCFRE TAC 4	Chaffee Fire Tactical 4
CCR&B	Chaffee Road and Bridge
BV DPW	Buena Vista Dept Pub Wrks
SALIDA DPW	Salida Dept Public Works
AVA	Arkansas Valley Ambulance
SSCHOOLS	Salida Schools
BVSCHOOLS	Buena Vista Schools
CC TRVL	Chaffee Travel Channel
SIMPLEX 1	Simplex (Direct) 1
SIMPLEX 2	Simplex (Direct) 2
SIMPLEX 3	Simplex (Direct) 3
SIMPLEX 4	Simplex (Direct) 4
SIMPLEX 5	Simplex (Direct) 5
ALM MAC	Alamosa Mutual Aid Channel
CUC MAC	Custer Mutual Aid Channel
CUCSAR	Custer SAR
FC SO SAR	Fremont Sheriffs Office SAR
FREM MAC 1	Fremont Mutual Aid Channel 1
FREM MAC 2	Fremont Mutual Aid Channel 2
GUNN MAC	Gunnison Mutual Aid Channel
LK MAC	Lake Mutual Aid Channel
PK MAC 1	Park Mutal Aid Channel 1
PUBALLMAC	Pueblo All Mutual Aid Chan
PUBCTYMAC	Pueblo County Mutual Aid Ch
SAG MAC	Saguache Mutual Aid Channel
TELLER MAC	Teller Mutual Aid Channel
WSCMRT1	Western St College Mt Rescue

	REGIONAL
SCR LAW	South Central Region Law
SCR EMS	South Central Region Emerg Med Services
SCR FIRE	South Central Region Fire
SCR CMD	South Central Region Command
AHRA	Arkansas Headwaters Recreation Area
MAC 1	Mutual Aid Channel 1 - Metro - Call
MAC 2	Mutual Aid Channel 2 - Metro - Fire
MAC 3	Mutual Aid Channel 3 - Metro - Law
MAC 4	Mutual Aid Channel 4 - Metro - EMS
MAC 5	Mutual Aid Channel 5 - NE CO - Call
MAC 6	Mutual Aid Channel 6 - NE CO - Fire
MAC 7	Mutual Aid Channel 7 - NE CO - Law
MAC 8	Mutual Aid Channel 8 - NE CO - EMS
MAC 9	Mutual Aid Channel 9 - SE CO - Call
MAC 10	Mutual Aid Channel 10 - SE CO - Fire
MAC 11	Mutual Aid Channel 11 - SE CO - Law
MAC 12	Mutual Aid Channel 12 - SE CO - EMS
MAC 13	Mutual Aid Channel 13 - SW CO - Call
MAC 14	Mutual Aid Channel 14 - SW CO - Fire
MAC 15	Mutual Aid Channel 15 - SW CO - Law
MAC 16	Mutual Aid Channel 16 - SW CO - EMS
MAC 17	Mutual Aid Channel 17 - NW CO - Call
MAC 18	Mutual Aid Channel 18 - NW CO - Fire
MAC 19	Mutual Aid Channel 19 - NW CO - Law
MAC 20	Mutual Aid Channel 20 - NW CO - EMS

	STATE WIDE
MAC21	Mutual Aid Channel 21 - State Wide CO
STAC	State Tactical Repeater not DTR
8CSARCOORD	800 Colorado SAR Coordinator
8CSAR TAC1	800 Colorado SAR Tactical 1
8CSAR TAC2	800 Colorado SAR Tactical 2
8CSAR TAC3	800 Colorado SAR Tactical 3

	STATE WIDE not in radio ACTIVATE TALK AROUND on RPT CHAN
STAC D	State Tactical Direct not DTR

	NATION WIDE not DTR
8CALL90	800 Nation Wide Call 90 Repeater
8TAC 91	800 Nation Wide Tactical 91 Repeater
8TAC 92	800 Nation Wide Tactical 92 Repeater
8TAC 93	800 Nation Wide Tactical 93 Repeater
8TAC 94	800 Nation Wide Tactical 94 Repeater

	NATION WIDE not DTR, not in radio ACTIVATE TALK AROUND on RPT CHAN
8CALL90D	800 Nation Wide Call 90 Direct
8TAC91D	800 Nation Wide Tactical 91 Direct
8TAC92D	800 Nation Wide Tactical 92 Direct
8TAC93D	800 Nation Wide Tactical 93 Direct
8TAC94D	800 Nation Wide Tactical 94 Direct

LOCAL	REGIONAL	STATE	NATIONAL
DIGI RPT	*ANA RPT*	DIGI DIR	*ANA DIR*

Aircraft are limited to DIRECT (shown in red font)
Aircraft passengers must **turn off** radios on digital repeater

Regional, state, and national channels are **strictly regulated**. Each incident requires permission from authorizing agency.
- Dispatch should be able to get authorization.

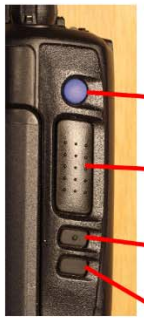
Never drag a local digital repeater out of your local area. **Never** monitor a distant incident you are not assigned to.
- Ties up a channel on all the towers between you and there - Can get radio remotely disabled

Use scanning only if you need it - Only hear a secondary channel if primary is not in use.
- Not hear secondary channel unless someone using the tower has it as primary.

MOTOROLA

Change Zone: Press ZONE (single dot soft key), then press left or right arrow keys, then press home key
Toggle Scan: Press SCAN (double dot soft key)
Scanned channels are: CCSAR1N, CCSAR2S, CHAF MAC, CC LAW, CCOEM

KENWOOD



Change Zone: Press ZONUP (Zone Up - single dot soft key) or ZONDN (Zone Down - double dot soft key)
Toggle Scan: Press A (Scan button)
Scanned channels are: CC SAR N, CC SAR S, CC MAC, CC LAW, CC OEM

KENWOOD 800 DTR

	SAR-1	SAR-2	LOCAL-1	RMAC-1	FMAC-1	FMAC-2	LAW-3	FRE-2
1	CC SAR N	CC SAR N	CC LAW	SCR CMD	MAC 1	MAC 17	CC LAW	CC FRE
2	CC SAR S	CC SAR S	CC F/R/E	SCR LAW	MAC 2	MAC 18	CCLAW TAC 1	CCFRE TAC 2
3	SCR LAW	ALM MAC	SCR CMD	SCR FIRE	MAC 3	MAC 19	BLANK	CCFRE TAC 3
4	SIMPLEX 1	CUC MAC	SCR LAW	SCR EMS	MAC 4	MAC 20	BLANK	CCFRE TAC4
5	SIMPLEX 2	CUC SAR	SCR FIRE	ALM MAC	MAC 5	MAC21	BLANK	BLANK
6	SIMPLEX 3	FC SO SAR	SCR EMS	CUC MAC	MAC 6	*8CALL90*	BLANK	BLANK
7	SIMPLEX 4	FREM MAC 1	AHRA	FREM MAC 1	MAC 7	*8TAC91*	BLANK	BLANK
8	8CSARCOORD	GUNN MAC	AVA	FREM MAC 2	MAC 8	*8TAC92*	SSCHOOLS	AVA
9	8CSAR TAC1	LK MAC	BV DPW	GUNN MAC	MAC 9	*8TAC93*	BVSCHOOLS	CC SAR N
10	8CSAR TAC2	PK MAC 1	CCR&B	LK MAC	MAC 10	*8TAC94*	CC SAR N	CC SAR S
11	8CSAR TAC3	SAG MAC	SALIDA DPW	PK MAC 1	MAC 11	*STAC*	CC SAR S	SIMPLEX 1
12	CC LAW	WSCMRT1	BLANK	PUBALLMAC	MAC 12	SIMPLEX 1	SIMPLEX 2	SIMPLEX 2
13	CC FRE	BLANK	BLANK	PUBCTY MAC	MAC 13	SIMPLEX 2	SIMPLEX 5	SIMPLEX 3
14	CC OEM	CC OEM	CC OEM	SAG MAC	MAC 14	SIMPLEX 3	CC OEM	CC OEM
15	CC TRVL	CC TRVL	CC TRVL	TELLER MAC	MAC 15	SIMPLEX 4	CC TRVL	CC TRVL
16	CC MAC	CC MAC	CC MAC	CHAF MAC	MAC 16	SIMPLEX 5	CC MAC	CC MAC

LOCAL	REGIONAL	STATE	NATIONAL
DIGI RPT	*ANA RPT*	DIGI DIR	*ANA DIR*

Radio Etiquette

Before transmitting listen to be sure the channel is clear
- Is an answer expected from the last transmission? Wait for it

On 800 DTR press PTT for half second before speaking
- You will hear a permit-to-talk chirp, then speak

Say who you are calling followed by who you are
- Command – Team 1
- If initial call, after names, state what radio you are using i.e. MRA, CC SAR S, etc.
- If initial call, wait for acknowledgement, Team 1 – Command, go ahead
- If multiple missions occurring, command needs geographic designation or mission name, Command – McCoy Team 1

Make your transmission concise and courteous
- Assume other agencies, the public and the subject's family are listening and be professional
- Code word for deceased subject – we use code Frank
- MRA Codes may be used on mutual aid missions
  1 – Subject found OK, no assistance needed
  2 – Subject found, assistance needed
  3 – Team member in need of assistance
  4 – Subject found dead (usually preceded by code 5)
  5 – Isolate radios and/or turn volume down; prepare for next transmission. Typically used prior to code 4

Mission Use Cases

Monitor VHF and 800 DTR in all vehicles in motion
- Leave engine running if parked for more than half an hour

Try to have a VHF radio for every person
- Only need to have one turned on if the group is close together

Try to have at least an 800 DTR for every two people
- If a large team splits into smaller teams each small team will have an 800 DTR

Typical VHF vs 800 DTR Usage – Will vary as needed by location
- VHF – Used for intra/inter team communication, trailhead to teams, sometimes trailhead to IC – Usually MRA
- 800 DTR – IC to dispatch, sometimes IC to teams, sometimes trailhead to IC, sometimes trailhead to teams – Usually CC SAR S
- For VHF and 800 DTR simplex offer to relay a message if you can hear both ends and they cannot hear each other
- If a long mission is expected conserve battery power by turning off redundant radios

Leave a radio on when you bivy
- Subject may call dispatch or IC by cell phone and you need to know what they are up to, also a team that did not bivy may need your help

MOTOROLA 800 DTR

	LOCAL
CCSAR1N	Chaffee SAR 1 North
CCSAR2S	Chaffee SAR 2 South
CHAF MAC	Chaffee Mutual Aid Channel
CC LAW	Chaffee Law
LAW TAC 1	Chaffee Law Tactical 1
CCOEM	Chaffee Office of Emerg Mgt
CC FRE	Chaffee Fire
CCFRETAC2	Chaffee Fire Tactical 2
CCFRETAC3	Chaffee Fire Tactical 3
CCFRETAC4	Chaffee Fire Tactical 4
CCR&B	Chaffee Road and Bridge
BVDPW	Buena Vista Dept Pub Wrks
SDPW	Salida Dept Public Works
AVA	Arkansas Valley Ambulance
SSCHOOLS	Salida Schools
BVSCHOOLS	Buena Vista Schools
CC TRVL	Chaffee Travel Channel
SIMPLEX 1	Simplex (Direct) 1
SIMPLEX 2	Simplex (Direct) 2
SIMPLEX 3	Simplex (Direct) 3
SIMPLEX 4	Simplex (Direct) 4
SIMPLEX 5	Simplex (Direct) 5
ALMMAC	Alamosa Mutual Aid Channel
CUCMAC	Custer Mutual Aid Channel
CUCSAR	Custer SAR
FCSOSAR	Fremont Sheriffs Office SAR
FREMAC	Fremont Mutual Aid Channel
FREMAC1	Fremont Mutual Aid Channel 1
FREMAC2	Fremont Mutual Aid Channel 2
GUNNMAC	Gunnison Mutual Aid Channel
LAKEMAC	Lake Mutual Aid Channel
PK MAC1	Park Mutal Aid Channel 1
PUBALLMAC	Pueblo All Mutual Aid Chan
PUBCNTMAC	Pueblo County Mutual Aid Ch
SAGMAC	Saguache Mutual Aid Channel
TELLMAC	Teller Mutual Aid Channel
WSCMRT1	Western St College Mt Rescue

	REGIONAL
SCRLAW	South Central Region Law
SCREMS	South Central Region Emerg Med Services
SCRFIRE	South Central Region Fire
SCRCMD	South Central Region Command
AHRA	Arkansas Headwaters Recreation Area
MAC 1 MET	Mutual Aid Channel 1 - Metro - Call
MAC 2 MET	Mutual Aid Channel 2 - Metro - Fire
MAC 3 MET	Mutual Aid Channel 3 - Metro - Law
MAC 4 MET	Mutual Aid Channel 4 - Metro - EMS
MAC 5 NE	Mutual Aid Channel 5 - NE CO - Call
MAC 6 NE	Mutual Aid Channel 6 - NE CO - Fire
MAC 7 NE	Mutual Aid Channel 7 - NE CO - Law
MAC 8 NE	Mutual Aid Channel 8 - NE CO - EMS
MAC 9 SE	Mutual Aid Channel 9 - SE CO - Call
MAC 10 SE	Mutual Aid Channel 10 - SE CO - Fire
MAC 11 SE	Mutual Aid Channel 11 - SE CO - Law
MAC 12 SE	Mutual Aid Channel 12 - SE CO - EMS
MAC 13 SW	Mutual Aid Channel 13 - SW CO - Call
MAC 14 SW	Mutual Aid Channel 14 - SW CO - Fire
MAC 15 SW	Mutual Aid Channel 15 - SW CO - Law
MAC 16 SW	Mutual Aid Channel 16 - SW CO - EMS
MAC 17 NW	Mutual Aid Channel 17 - NW CO - Call
MAC 18 NW	Mutual Aid Channel 18 - NW CO - Fire
MAC 19 NW	Mutual Aid Channel 19 - NW CO - Law
MAC 20 NW	Mutual Aid Channel 20 - NW CO - EMS

	STATE WIDE
MAC21 ST	Mutual Aid Channel 21 - State Wide CO
STAC	State Tactical Repeater not DTR
8SARCOORD	800 Colorado SAR Coordinator
8SARTAC1	800 Colorado SAR Tactical 1
8SARTAC2	800 Colorado SAR Tactical 2
8SARTAC3	800 Colorado SAR Tactical 3

STATE WIDE not in radio ACTIVATE TALK AROUND on RPT CHAN

STAC D	State Tactical Direct not DTR

NATION WIDE not DTR

8 CALL90	800 Nation Wide Call 90 Repeater
8 TAC 91	800 Nation Wide Tactical 91 Repeater
8 TAC 92	800 Nation Wide Tactical 92 Repeater
8 TAC 93	800 Nation Wide Tactical 93 Repeater
8 TAC 94	800 Nation Wide Tactical 94 Repeater

NATION WIDE not DTR, not in radio ACTIVATE TALK AROUND on RPT CHAN

8CALL90D	800 Nation Wide Call 90 Direct
8TAC91D	800 Nation Wide Tactical 91 Direct
8TAC92D	800 Nation Wide Tactical 92 Direct
8TAC93D	800 Nation Wide Tactical 93 Direct
8TAC94D	800 Nation Wide Tactical 94 Direct

LOCAL	REGIONAL	STATE	NATIONAL
DIGI RPT	*ANA RPT*	DIGI DIR	*ANA DIR*

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- Not hear secondary channel unless someone using the tower has it as primary.

WOUXUN VHF/UHF

	LOCAL
FD DIR	001 Chaffee Fire Direct
FD HOM	002 Chaffee Fire Homestake Rptr
FD MTH	003 Chaffee Fire Methodist Rptr
FD NAT	004 Chaffee Fire Nathrop Rptr
TAC 1	005 Chaffee Law Tactical 1
TAC 2	006 Chaffee Law Tactical 2
TAC 3	007 Chaffee Law Tactical 3
SNOW	008 Snowmobile Club
USFS	009 US Forest Service Direct
FS PTN	010 US Forest Service Princeton
FS MTH	011 US Forest Service Methodist
FS BAS	012 US Forest Service Bassam
FS QUA	013 US Forest Service Quail
BC COM	117 Chaffee Backcountry Ch3 PC12
SKIPNR	101 Mon Ski Panorama Repeater
SKIPNS	102 Mon Ski Panorama Simplex
SKIMKR	103 Mon Ski Mirkwood Repeater
SKIMKS	104 Mon Ski Mirkwood Simplex

	STATE WIDE
MRA 1	021 Mountain Rescue Assoc 1
MRA 2	022 Mountain Rescue Assoc 2
MRA 3	023 Mountain Rescue Assoc 3
MRA 1R	024 Mountain Rescue Assoc 1 Rptr
VCSAR1	025 VHF Colorado SAR 1
VCSAR2	026 VHF Colorado SAR 2

	STATE WIDE
VCSAR3	027 VHF Colorado SAR 3
VCSAR4	028 VHF Colorado SAR 4
VCSR1R	029 VHF Colorado SAR 1 Repeater
VCSR2R	030 VHF Colorado SAR 2 Repeater
F GRS3	123 FRS GMRS Ch 3 Colorado Emergency

	NATION WIDE
VSAR16	041 VHF SAR 16 (MRA 1)
VFIRE21	042 VHF Fire 21 (FERN 1, Fed Emg Radio Net)
VFIRE22	043 VHF Fire 22 (FERN 3, Fed Emg Radio Net)
VFIRE23	044 VHF Fire 23 (FERN 2, Fed Emg Radio Net)
VFIRE24	045 VHF Fire 24
VFIRE25	046 VHF Fire 25
VFIRE26	047 VHF Fire 26
VMED28	048 VHF Medical 28
VMED29	049 VHF Medical 29
VLAW31	050 VHF Law 31 (NLEEC, Nat Law Emg Com)
VLAW32	051 VHF Law 32
VCALL10	052 VHF Call 10
VTAC11	053 VHF Tactical 11
VTAC12	054 VHF Tactical 12
VTAC13	055 VHF Tactical 13
VTAC14	056 VHF Tactical 14
VTAC33	057 VHF Tactical 33 Repeater
VTAC34	058 VHF Tactical 34 Repeater

	NATION WIDE
VTAC35	059 VHF Tactical 35 Repeater
VTAC36	060 VHF Tactical 36 Repeater
VTAC37	061 VHF Tactical 37 Repeater
VTAC38	062 VHF Tactical 38 Repeater
MURS 1	063 Multi Use Radio Service 1
MURS 2	064 Multi Use Radio Service 2
MURS 3	065 Multi Use Radio Service 3
MUR4BL	066 Multi Use Radio Service 4 Blue Dot
MUR5GR	067 Multi Use Radio Service 5 Green Dot
WX 1 to 10	071 - 080 Nat Weather Serv Broadcast 1 to 10
BCA A	111 Back Country Access A Ch 1 PC Off
BCA B	112 Back Country Access B Ch 5 PC 10
BCA C	113 Back Country Access C Ch 4 PC 20
BCA D	114 Back Country Access D Ch 8 PC 10
BCA E	115 Back Country Access E Ch 9 PC 11
BCA F	116 Back Country Access F Ch 20 PC Off
F GR 1 to 22	121 - 142 Family & Gen Mobile Radio 1 to 22
UCAL40	151 UHF Call 40 Repeater
CAL40	152 UHF Call 40 Direct
UTAC41	153 UHF Tactical 41 Repeater
TAC41D	154 UHF Tactical 41 Direct
UTAC42	155 UHF Tactical 42 Repeater
TAC42D	156 UHF Tactical 42 Direct
UTAC43	157 UHF Tactical 43 Repeater
TAC43D	158 UHF Tactical 43 Direct

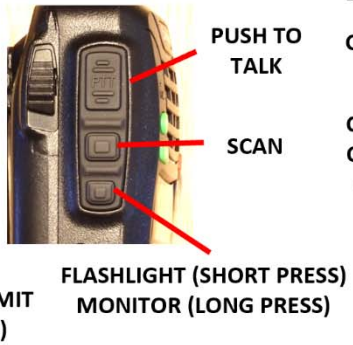
LOCAL	REGIONAL	STATE	NATIONAL
VHF RPT	*UHF RPT*	VHF DIR	*UHF DIR*

FCC licensed channels are **strictly regulated**. Each incident requires permission from the authorizing agency. Dispatch should be able to get authorization.
MURS, BCA and FRS / GMRS channels do not require permission.
Back Country Access uses Family Radio Service and General Mobile Radio Service channels. The radio will scan these 22 channels. You will hear all conversations when using the BCA and F GR channels but they will not hear you transmit unless you set the same transmit privacy tone as they are using. Menu 32 can detect the code.

MOTOROLA 800 DTR

	S1	S2	C1	R1	M1	M2	L3	F2
1	CCSAR1N	CCSAR1N	CC LAW	SCRCMD	MAC 1 MET	MAC 17 NW	CC LAW	CC FRE
2	CCSAR2S	CCSAR2S	CC FRE	SCRLAW	MAC 2 MET	MAC 18 NW	LAW TAC 1	CCFRETAC2
3	SCR LAW	ALMMAC	SCRCMD	SCRFIRE	MAC 3 MET	MAC 19 NW	BLANK	CCFRETAC3
4	SIMPLEX 1	CUCMAC	SCRLAW	SCREMS	MAC 4 MET	MAC 20 NW	BLANK	CCFRETAC4
5	SIMPLEX 2	CUCSAR	SCRFIRE	ALMMAC	MAC 5 NE	MAC21 ST	BLANK	BLANK
6	SIMPLEX 3	FCSOSAR	SCREMS	CUCMAC	MAC 6 NE	*8 CALL90*	BLANK	BLANK
7	SIMPLEX 4	FREMAC	AHRA	FREMAC1	MAC 7 NE	*8 TAC 91*	BLANK	BLANK
8	8SARCOORD	GUNNMAC	AVA	FREMAC2	MAC 8 NE	*8 TAC 92*	SSCHOOLS	AVA
9	8SARTAC1	LAKEMAC	BVDPW	GUNNMAC	MAC 9 SE	*8 TAC 93*	BVSCHOOLS	CCSAR1N
10	8SARTAC2	PKMAC1	CCR&B	LAKEMAC	MAC 10 SE	*8 TAC 94*	CCSAR1N	CCSAR2S
11	8SARTAC3	SAGMAC	SDPW	PK MAC1	MAC 11 SE	*STAC*	CCSAR2S	SIMPLEX 1
12	CC LAW	WSCMRT1	BLANK	PUBALLMAC	MAC 12 SE	SIMPLEX 1	SIMPLEX 2	SIMPLEX 2
13	CC FRE	BLANK	BLANK	PUBCNTMAC	MAC 13 SW	SIMPLEX 2	SIMPLEX 5	SIMPLEX 3
14	CCOEM	CCOEM	CCOEM	SAGMAC	MAC 14 SW	SIMPLEX 3	CCOEM	CCOEM
15	CC TRVL	CC TRVL	CC TRVL	TELLMAC	MAC 15 SW	SIMPLEX 4	CC TRVL	CC TRVL
16	CHAF MAC	CHAF MAC	CHAF MAC	CHAF MAC	MAC 16 SW	SIMPLEX 5	CHAF MAC	CHAF MAC

LOCAL	REGIONAL	STATE	NATIONAL
DIGI RPT	*ANA RPT*	DIGI DIR	*ANA DIR*



Key and Knob Lock: Press LOCK key for two seconds to unlock, auto locks after 15 seconds from last use
Scan: Scans 22 FRS channels, use if subject has a radio, FRS 3 is state wide emergency channel
Tones: Subaudible tones may be used to hear only radios transmitting the selected tone
No Receive Tone: Radio is programmed to hear all broadcast regardless of whether they do or do not transmit a tone
Receive Tone: If subject has programmed for receive tone they will not hear you unless you configure to transmit it
Transmit Tone: Press LOCK for two seconds, press MENU, press 1 6, press MENU, select tone with up / down arrows, press MENU then press EXIT.
Scan for subject's transmitting tone: Put radio on channel parties were heard on, if LOCK is on press LOCK for two seconds, switch to frequency mode by pressing MENU, press 2 2, press MENU, then up /down arrows to FREQ, then MENU, then EXIT. Begin scan by pressing MENU, 3 2, press MENU, select CTCSS with up / down arrows, press MENU, press EXIT

W O U X U N

POWERWERX VHF/UHF

LOCAL	
FD DIR	001 Chaffee Fire Direct
FD HOM	002 Chaffee Fire Homestake Rptr
FD MTH	003 Chaffee Fire Methodist Rptr
FD NAT	004 Chaffee Fire Nathrop Rptr
TAC 1	005 Chaffee Law Tactical 1
TAC 2	006 Chaffee Law Tactical 2
TAC 3	007 Chaffee Law Tactical 3
SNOW	008 Snowmobile Club
USFS	009 US Forest Service Direct
FS PTN	010 US Forest Service Princeton
FS MTH	011 US Forest Service Methodist
FS BAS	012 US Forest Service Bassam
FS QUA	013 US Forest Service Quail
BC COM	117 Chaffee Backcountry Ch3 PC12
SKIPNR	101 Mon Ski Panorama Repeater
SKIPNS	102 Mon Ski Panorama Simplex
SKIMKR	103 Mon Ski Mirkwood Repeater
SKIMKS	104 Mon Ski Mirkwood Simplex
MP AWOS	301 Monarch Pass AWOS
BM AWOS	302 Baldwin Mt AWOS
AEJAWOS	303 Buena Vista AWOS
AEJUNIC	304 Buena Vista Unicom
AEJ A D	305 Buena Vista Approach Departure
ANKAWOS	306 Salida AWOS
ANKUNIC	307 Salida Unicom
ANK DEP	308 Salida Departure
ANK APP	309 Salida Approach

REGIONAL	
STEM TP	211 St Elmo Crossband to Mt Princeton
MethCM2	221 Methodist Mt Cheyenne Mt Group
MethCoC	222 Methodist Mt Colorado Connection
MonPnCL	223 Monarch Panorama CLARA
PrM CL S	224 Mt Princeton CLARA South
QuM CLN	225 Qual Mt CLARA North
MqP CoC	226 Mosquito Pass Colorado Connection
MethDSt	227 Methodist Mt D Star
MethDMR	228 Methodist Mt DMR N0SZ
MethCM4	229 Methodist Mt Cheyenne Mt Group
Badgr Mt	230 Badger Mt West Park County
PrMSkHb	231 Mt Princeton Sky Hub Link
MethJSC	232 Methodist Mt Many Links K0JSC
MqPRMHR	233 Mosquito Pass Rocky Mt Ham Radio

STATE WIDE	
MRA 1	021 Mountain Rescue Assoc 1
MRA 2	022 Mountain Rescue Assoc 2
MRA 3	023 Mountain Rescue Assoc 3
MRA 1R	024 Mountain Rescue Assoc 1 Rptr
VCSAR1	025 VHF Colorado SAR 1
VCSAR2	026 VHF Colorado SAR 2
VCSAR3	027 VHF Colorado SAR 3
VCSAR4	028 VHF Colorado SAR 4
VCSR1R	029 VHF Colorado SAR 1 Repeater
VCSR2R	030 VHF Colorado SAR 2 Repeater
F GRS3	123 FRS GMRS Ch 3 Colorado Emergency
CO 4x4	206 2 Meter Colorado 4x4 Recovery Direct

LOCAL	REGIONAL	STATE	NATIONAL
VHF RPT	*UHF RPT*	VHF DIR	*UHF DIR*

NATION WIDE	
VSAR16	041 VHF SAR 16 (MRA 1)
VFIRE21	042 VHF Fire 21 (FERN 1, Fed Emg Radio Net)
VFIRE22	043 VHF Fire 22 (FERN 3, Fed Emg Radio Net)
VFIRE23	044 VHF Fire 23 (FERN 2, Fed Emg Radio Net)
VFIRE24	045 VHF Fire 24
VFIRE25	046 VHF Fire 25
VFIRE26	047 VHF Fire 26
VMED28	048 VHF Medical 28
VMED29	049 VHF Medical 29
VLAW31	050 VHF Law 31 (NLEEC, Nat Law Emg Com)
VLAW32	051 VHF Law 32
VCALL10	052 VHF Call 10
VTAC11	053 VHF Tactical 11
VTAC12	054 VHF Tactical 12
VTAC13	055 VHF Tactical 13
VTAC14	056 VHF Tactical 14
VTAC33	057 VHF Tactical 33 Repeater
VTAC34	058 VHF Tactical 34 Repeater
VTAC35	059 VHF Tactical 35 Repeater
VTAC36	060 VHF Tactical 36 Repeater
VTAC37	061 VHF Tactical 37 Repeater
VTAC38	062 VHF Tactical 38 Repeater
MURS 1	063 Multi Use Radio Service 1
MURS 2	064 Multi Use Radio Service 2
MURS 3	065 Multi Use Radio Service 3
MUR4BL	066 Multi Use Radio Service 4 Blue Dot
MUR5GR	067 Multi Use Radio Service 5 Green Dot
WX 1 to 10	071 - 080 Nat Weather Serv Broadcast 1 to 10

NATION WIDE	
BCA A	111 Back Country Access A Ch 1 PC Off
BCA B	112 Back Country Access B Ch 5 PC 10
BCA C	113 Back Country Access C Ch 4 PC 20
BCA D	114 Back Country Access D Ch 8 PC 10
BCA E	115 Back Country Access E Ch 9 PC 11
BCA F	116 Back Country Access F Ch 20 PC Off
F GR 1 to 22	121 - 142 Family & Gen Mobile Radio 1 to 22
UCAL40	151 UHF Call 40 Repeater
CAL40	152 UHF Call 40 Direct
UTAC41	153 UHF Tactical 41 Repeater
TAC41D	154 UHF Tactical 41 Direct
UTAC42	155 UHF Tactical 42 Repeater
TAC42D	156 UHF Tactical 42 Direct
UTAC43	157 UHF Tactical 43 Repeater
TAC43D	158 UHF Tactical 43 Direct
2m2x640	201 2 meter 640
2m NS	202 2 meter National Simplex
2m x655	203 2 meter 655
2m1x658	204 2 meter 658
2m x742	205 2 meter 742
440 NS	207 440 National Simplex
44x6025	208 440 6025
44 x605	209 440 605
44x6075	210 440 6075
44x6125	212 440 6125
44 x615	213 440 615
Unicom	310 Unicom
MultCom	311 MultiCom
Air-Air	312 Air to Air

FCC licensed channels are **strictly regulated**. Each incident requires permission from the authorizing agency. Dispatch should be able to get authorization.
MURS, BCA and FRS / GMRS channels do not require permission.
Back Country Access uses Family Radio Service and General Mobile Radio Service channels. The radio will scan these 22 channels. You will hear all conversations when using the BCA and F GR channels but they will not hear you transmit unless you set the same transmit privacy tone as they are using.
Two hundred series channels require an Amatuer Radio Operator license be held by the user.
Three hundred series channels are AM aircraft channels and are receive only as the radio will not transmit on AM channels.

THE TOP BUTTONS CONTROL RIGHT (B)

THIS SIDE IS MAIN
MICROPHONE WILL TRANSMIT HERE

TX POWER
LEVEL

FREQUENCY
VS CHANNEL

HOME
FREQUENCY

SCAN
22 FRS GMRS

CROSS BAND REPEAT ACTIVATED

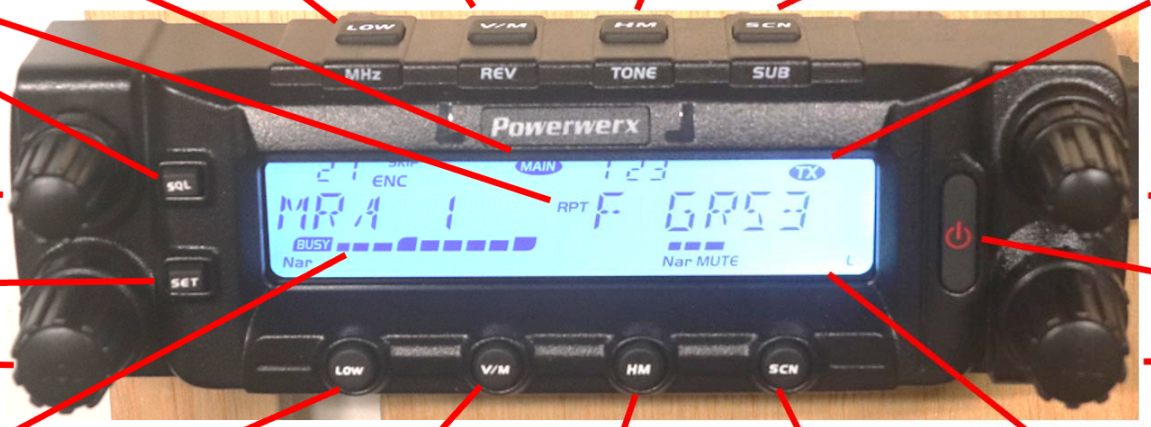
SQUELCH

LEFT (A) CHANNEL ROTATE
PUSH TO BE MAIN

MENU SETTINGS

LEFT (A) VOLUME ROTATE
PUSH FOR DEFAULT CHANNELS

RECEIVED SIGNAL STRENGTH



THIS SIDE TRANSMITTING

RIGHT (B) CHANNEL ROTATE
PUSH TO BE MAIN

POWER ON/OFF

RIGHT (B) VOLUME ROTATE
PUSH FOR DEFAULT CHANNELS

TX POWER VHF/UHF
L - LOW 5W
M2 - MID 2 10W
M1 - MID 1 25/20W
BLANK - HIGH 50/40W

TX POWER
LEVEL

FREQUENCY
VS CHANNEL

HOME
FREQUENCY

SCAN
22 FRS GMRS

THE BOTTOM BUTTONS CONTROL LEFT (A)

REMOTE CHANNEL KNOB

DOWN UP

TOGGLE MAIN

PUSH TO TALK ON MAIN

ENTER THREE DIGIT
CHANNEL NUMBER
WITH PRECEDING ZEROS

A - LEFT(A) IS MAIN
B - RIGHT(B) IS MAIN

TX/RX STATUS
A - LEFT B - RIGHT
GREEN - RECEIVING
RED - TRANSMITTING

SET TONES

Cross Band Repeater

In Cross Band Repeat the radio retransmits anything received on the VHF band onto the UHF band and vice-versa; one band at a time.

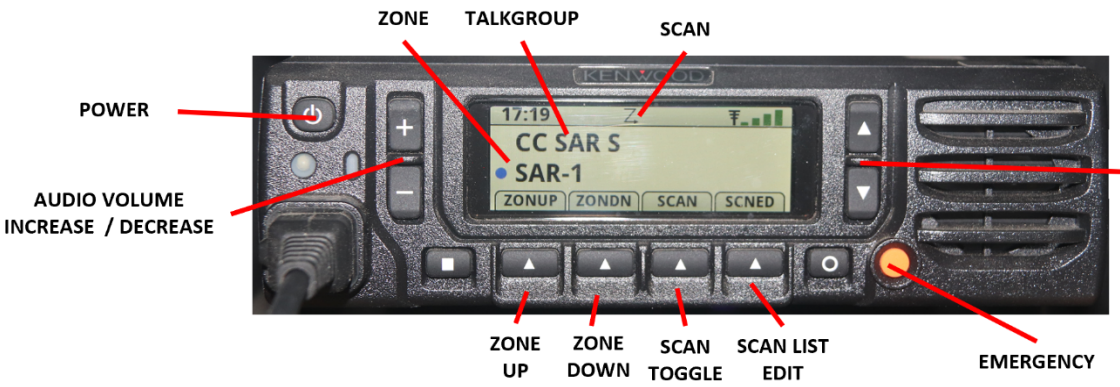
Set Left (A) side to VHF channel and Right (B) side to UHF channel.
Press SET key to enter menu and turn main channel knob to 44 X-RPT.
Press main selector knob to display XSTART; press again to display RPT.
To turn off press SET.

Tone Encode

Tones are also known as CTCSS, privacy tones, sub channels, etc.
If a radio has tone decode it will only hear stations that encode the tone.
Tones are entered as a frequency in decimal Hertz.
If the receiving radio's tone decode frequency is know it may be entered.
The handheld radios can display tone frequencies that they receive.

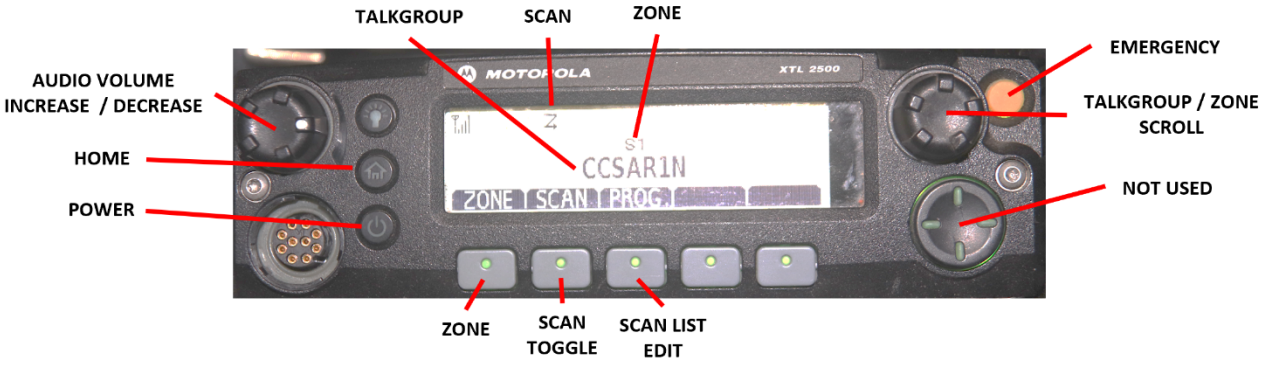
Set the desired side as MAIN.
Press the microphone PA key; ENC and tone frequency are displayed.
Use microphone Up / Down keys or channel knob to select the frequency.
Push channel knob.

POWERWERX



KENWOOD

Change Zone: Press ZONUP (Zone Up) or ZONDN (Zone Down)
Toggle Scan: Press SCAN
Scanned channels are: CC SAR N, CC SAR S, CC MAC, CC LAW, CC OEM



MOTOROLA

Change Zone: Press ZONE, then rotate scroll knob, then press home key
Toggle Scan: Press SCAN
Scanned channels are: CCSAR1N, CCSAR2S, CHAF MAC, CC LAW, CCOEM

Call	Last	First	Cell Phone
808	ANDRES	Danny	(303) 941-1157
830	BLUNN	Joseph	(303) 731-9734
811	BRADY	Evan	(719) 239-1506
836	BRYSON	Bridget	(303) 956-2130
837	BUTLER	Randy	(719) 207-5494
832	CAGLE	Brandon	(720) 276-9205
852	CARNEY	Tom	(312) 898-3247
804	CARROCCIA	Robin	(303) 489-3779
831	COOGAN	George	(615) 440-1222
806	DARBY	Kaleb	(702) 875-5077
802	DUBIN	Don	(775) 721-0224
809	EIGENBROT	Owen	(650) 243-8445
838	ELLIOTT	Robert	(719) 207-1324
812	EUSTIS	Dick	(719) 221-2162
813	FRANCO	Michael	(303) 552-6925
857	FINKOWSKI	Mike	(970) 784-6677
828	FLANDERS	Daniel	(719) 839-1212
819	FRICKE	Scott	(970) 260-4248
814	GEISLER	Brenda	(970) 756-5322
815	HANNUM	Ian	(609) 972-4399
820	HUTCHINGS	Kay	(719) 207-1594
822	KILROY	Aran	(720) 939-8508
859	KNIGHT	Molly	(913) 961-4604
834	LANKER	Amanda	(719) 207-5967
833	LAPAGE	Charles	(435) 640-2507

Call	Last	First	Cell Phone
805	LEHMAN	Tracey	(719) 357-0590
845	LEUENBERGER	Bryan	(512) 619-8297
823	LOMAX	Jedidiah	(215) 410-4415
801	MARIOLA	Joe	(719) 299-1750
810	MARTINI	Jinan	(917) 648-0483
839	MULLINS	Jordan	(586) 343-1719
827	MUSGRAVE	Douglas	(720) 240-3803
825	PAKLAIAN	Jonathan	(719) 207-5888
846	PAUL	Evan	(201) 315-8584
841	RAMOS-VARA	Jose (Pepe)	(765) 404-5501
865	RIDDELL	Sam	(202) 302-6404
826	ROBINSON	Laurel	(530) 450-5797
853	ROTZ	Drea	(207) 577-0453
706	RUITER	Rick	(719) 207-2684
816	RUSSELL	Allison (Ally)	(702) 461-3872
803	SAMPLE	Bill	(913) 244-2140
854	SCHOMBURG	Matthew	(603) 960-2926
817	SEARS	Zachary (Zeke)	(916) 610-4017
824	SELIGMAN	Timothy	(970) 818-6212
847	SELIGMAN	Belynda	(970) 372-8860
848	SELIGMAN	Will	(970) 372-8864
850	SMITH	Susan	(507) 312-4175
840	STAMM	Merielle	(781) 715-5056
807	SUGASKI	Mike	(719) 221-0774
818	TIDWELL	Clay	(303) 587-9747

Call	Last	First	Cell Phone
835	VESCOSI	Rema	(970) 406-8380
842	TOMASZEWSKI	Katie	(615) 546-9096
861	WHITE	Rob	(719) 221-8494
829	WHITMAN	Micah	(970) 222-9691
862	WILLIAMS	Karen	(970) 443-1433

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