

CSM 2019 Commercial Radio “Cheat Sheet”

The pages below show you how to set the commercial radio each day. These settings apply to ALL operators, including net control.

CTM repeaters will be located at Ripon, Montebello and Calumet this year. All radios will use omni antennas and the system is trunked (https://en.wikipedia.org/wiki/Trunked_radio_system).

Radio power will be provided by the cigar lighter in the vehicle. ***You MUST keep the vehicle running when transmitting to provide sufficient power to the radio.*** If you are just listening, you do not need to keep the vehicle running.

These radios are the same as the ones used last year (but the repeaters are different). Remember to wait for a “proceed” beep when you key the PTT before you start to talk. Continue holding the PTT and start speaking after the proceed beep. Be sure to say “Over” just before releasing the PTT because the repeaters do NOT have courtesy beeps at the end of transmission.

If the repeater is unable to let you transmit, the radio will emit a longer multi-beep busy tone when you press the PTT. Wait a few seconds and try again.

The only radio with a headphone jack will be at net control. The jack size is 3.5 mm. Because safety will be in the same room, operations net control should be prepared to operate with headphones on both the commercial net and amateur frequencies.

Even though the radios are digital and should be using different time slots, desense will be a problem at the checkpoints. At net control, the safety and operations antennas should be located at opposite ends of the building to provide enough horizontal separation to avoid desense. Safety and operations antennas are being placed on either side of the cube van at the checkpoints so expect to desense safety and be desensed by them.

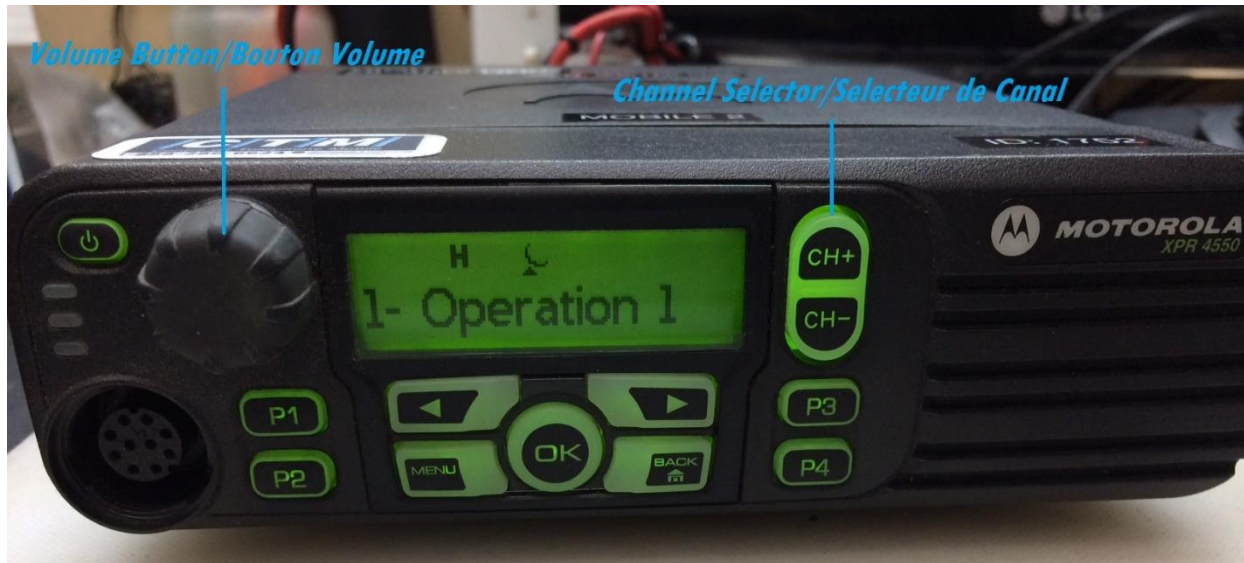
Have fun and be prepared to operate on local ham repeaters if all else fails. Don’t forget to check your backup 2M rig while enroute to your assignment.

Two ops per checkpoint

Two ops at each checkpoint means that the commercial radio can always have someone monitoring for traffic – even when the second op is out of the vehicle. It also means that one op can monitor the commercial rig while the other monitors the ham bands. You will probably want to use headphones on the ham rig – the commercial rigs do NOT have headphone jacks.

User guide radio Motorola XPR4550

General information:



1st day (Saturday/samedi):

You have to choose your channel by pressing the channel selector button, 1- Operation 2- Safety.

Vous devez choisir votre canal en pressant le sélecteur de canal, 1- Operation 2- Safety.





2nd day (Sunday/dimanche):

You have to change the zone. Press the button P2.

Vous devez changer de zone. Presser le bouton P2.



On the screen you will see Saturday. Press the right arrow button to show Sunday.

Sur l'écran ce sera écrit Saturday. Presser le bouton flèche de droite pour afficher Sunday.



When you see Sunday, press OK button.

Lorsque vous voyez Sunday, presser le bouton OK.



You may see Searching on the screen, just wait a few seconds. If it doesn't connect, change the channel, by pressing the channel selector button.

Vous pourrez voir Searching sur l'écran, attendez quelques secondes. Si la radio ne semble pas se connecter, changer de canal en pressant le bouton sélecteur de fréquence.



*Channel selector button/ Bouton
selecteur de canal*

You have to choose your channel by pressing the channel selector button, 1-
Operation 2- Safety.

Make sure your day marker is at 2.

Vous devez choisir votre canal en pressant le sélecteur de canal, 1- Operation 2- Safety.

Soyez certain que votre marqueur soit à 2.

