



UV-5R Basics

Purpose of this course

- To introduce the basics of using the Museum standard radio



Radio Overview



CTM Radio Basics

What is the standard radio?



- The Museum standard radio is a UV-5R manufactured by Baofeng or a generic copy.
- It has the following features and functions:
 - Dual Band
 - Programmable
 - 5 Watts of power
 - Lithium Ion battery



What is required to use the radio at the Museum?



- The radio needs to be programmed. This sets all the default settings for the radio to be used legally in Canada.
- The programming also sets up the channels (names and frequencies) used at the Museum.
 - This allows using names like “Ops 1” rather than a frequency.
 - You can only select pre-programmed frequencies.



Features of the Radio





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Antenna Mount: The Antenna can be screwed in here. **DO NOT OPERATE THE RADIO WITHOUT AN ANTENNA!**

On/Off Volume: Rotate the knob clockwise to turn the radio on. Rotate the knob counter clockwise until it “clicks” to turn the radio off. Rotate the knob clockwise to increase the volume. Rotate the knob counter clockwise to decrease the volume.

Frequency/Channel Mode (VFO/MR): Changes the LCD display from Channel (Named) to Frequency (Number) mode. Museum programmed radios have a common set of channels so it should be kept in Channel Mode.

Activity Indicator: Illuminates when the radio detects traffic on either channel.

Swap Active Channels (A/B): Switches the active channel (the one that can be transmitted on) between the two channels displayed on the LCD screen. The active channel will have the “Active Channel Indicator” (little triangle) displayed before it on the LCD.

Change Band (BAND): **This button is not needed at the Museum.** Does not do anything at the Museum. Only used in FM mode or Frequency mode.

Keypad Lock (#): Press the # key to lock the keypad. When locked, a key icon will appear on the LCD Display. Press again to unlock.



Press – FM Radio Mode
Hold – Useless Alarm

Press To Talk (PTT)

Press – Light
Hold – Monitor Mode



Left Side



Accessory Jack
Programming port

Right Side



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FM radio/Alarm (CALL): This button is not needed at the Museum. If pressed, it switches the radio into an FM radio (which stops it from being used as a Museum Radio). Press again to revert back to a real radio. Hold the button for a very annoying and useless alarm. Hold again to turn it off.

Press to Talk (PTT): Hold this button while transmitting your message. Release when done.

Light/Monitor (MONI): This button is not needed at the Museum. If pressed, it will turn on the light. Press again to set the light flashing. Press again to turn off the light. Holding the button will set the radio into Monitor mode which turns off the squelch function. Hold it again to turn it off.

Accessory Jack (SP&MIC): Open this door to use a radio accessory or to program the radio.



Functions of the Radio



Turn on/off the radio.



Rotate the knob clockwise to turn the radio on.

Rotate the knob counter clockwise until it “clicks” to turn the radio off.

Rotate the knob clockwise to increase the volume. Rotate the knob counter clockwise to decrease the volume.



Transmit on the radio.

Press To Talk (PTT)



Listen that there is no traffic on the net.

Press the PTT switch.

Wait a second for the radio to power up.

Speak you message using proper voice procedure.

Release the PTT



Change the active channel on the radio.



The radio supports two channels. One active and one listening only.



If the radio's LCD displays numbers rather than channel names, press the Frequency/Channel Mode (VFO/MR) button to change it back.

Press the Swap Active Channels (A/B) button to toggle between the two channels.



Change the channel on the radio.



The radio supports a number of pre-programmed channels.

Only the active channel can be changed.

Press the up or down keys to scroll through the pre-programmed channels.

You can lock the keypad by pressing the “#” key. A key icon will show on the display. Press it again to unlock the keypad.

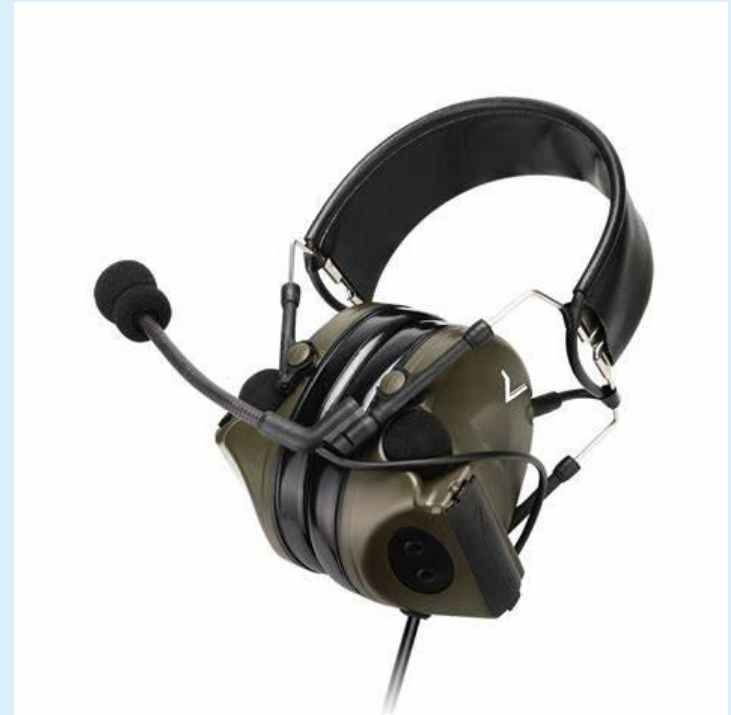


Headset Overview



Noise Reduction Headset

- Primarily for Vehicle Section
- Hearing protection (-28 dB)
- Connects to Museum Standard Radio
- Integrated microphone and speakers that enhance the surrounding environment's audio. The enhancement will turn off when it detects dangerous levels of sound
- Volume adjustment
- Adjustable and narrow, and the space can be compressed better when it is stored
- Push to Talk
- Water resistant (Not waterproof)





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Functions of the Headset



Turn on/off the Headset



Press both buttons and hold for three seconds to turn on

Press both buttons and hold for three seconds to turn off

Press the Forward Button to increase volume

Press the Rearward Button to decrease volume



Adjust the Headset



Each earpiece can be extended from the head band so the fit can be tailored to the individual's head.



Transmit on the radio.

Listen that there is no traffic on the net.

Press the PTT switch.

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Speak your message using proper voice procedure.

Release the PTT

Push to talk





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