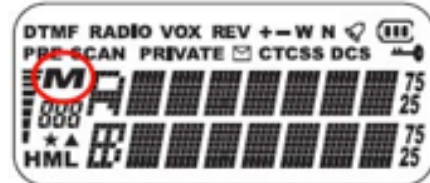# Manually Programming an Un-locked Puxing UV973

Enter Frequency Mode by pressing **VFO/MR** until the "**M**" disappears.

Enter the desired RX frequency using the numeric keypad, or rotate the encoder to fine tune.

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Set Repeater Shift - make sure you are in Frequency Mode
Press and release **MENU**, then press and release ***LOCK.**
> Display reads "**SHIFT?**"
> Press and release **ENTER**.
> Enter offset - note the leading zeroes (00600, 05000).
> Press and release **ENTER**.

Set Tone ON / OFF / Frequency - still in Frequency Mode
Press and release **MENU**, then press and release **#T-R.**
> Display reads "**C-CDC?**"
> Press and release **ENTER**.
> Rotate **ENC** to select desired tone frequency, of choose "**OFF**."
> Press and release **ENTER**.

Set a Memory Channel. To commit all the above to a memory location.
Press and release **MENU**, then press and release **VFO/MR**.
> The "**M**" in the display starts blinking.
> Rotate the encoder to select a memory channel location. Locations
> already with information will have a triangle on the display.
> Press **VFO/MR** to store.

Alpha Labeling of a Memory
Select the channel in Memory Mode - the "**M**" will be showing.
> Press and release **MENU**, then press and release **ENTER.**
> Rotate the encoder to Item 33 - **NAME**, and press **ENTER**.
> Rotate **ENC** to choose first character, then press **#T-R** to confirm
> and go to next slot. Press ***LOCK** to backspace, if needed.
> Repeat for each character.
> To end, press and release **ENTER**, and then press and release **VFO/MR**.

Crossband Repeat - Set TX Power to LOW (Menu, 4POW).
> Confirm the displayed VHF and UHF frequencies.
> Press and release **MENU**. Press and release **ENTER**.
> Rotate **ENC** to Item 30 (**RPT**). Press and release **ENTER**.
> Rotate **ENC** to choose **ON** or **OFF**.
> Press and release **ENTER**. Press and release **VFO/MR** to start.