Program a new frequency from the front panel.

1. If you aren't already in **VFO** mode press the **V/M** button. The screen will show VFO.
2. **Set the Frequency:** Touch the frequency on the touchscreen. The radio will then display a soft keyboard which lets you enter the frequency. Enter the frequency in MHz then touch **[ENT]**.
3. **Set the Mode:** Touch **[MODE]** on the touchscreen until you see FM. (There are multiple Fusion digital options indicated by DN) If you see a mode with a bar over it, that is an automatically selected mode.
4. **Set Transmit Tone:** Touch [F MW] on the touchscreen, then [CODE]. Use the knob to set the value. Press the **BACK** button to exit and set the value.
5. **Set Transmit Tone Type:** Touch **[F MW]** on the touchscreen, then **[FWD]** to get to the second menu, then **[SQTYPE]**. Use the knob to cycle through OFF (no tone), TONE TN (CTCSS tone on transmit), TONE SQL TSQ (CTCSS Tone on receive), DCS DCS (Digital coded squelch), REV TONE RTN (squelch if tone received), PR FREQ PR ("no-communication squelch" with a frequency) and PAGER PAG (detect 2 CTCSS tones). Press the **BACK** button to exit and set the value.
6. **Set Repeater Shift:** Press and hold the **DISP** button for at least one second to enter set mode. Touch **[CONFIG]** on the touchscreen. Use the knob to select **14 RPT ARS** and touch that. Then use the knob to turn it ON or OFF. Press the **BACK** button. Use the knob to select **15 RPT SHIFT** and touch that. Use the knob to cycle through -RPT (negative shift), +RPT (positive shift) and SIMPLEX (no shift). Press the **BACK** button to exit and set the value.
7. If you need to change the **Repeater Offset Frequency:** Press and hold the **DISP** button for at least one second to enter set mode. Touch **[CONFIG]** on the touchscreen. Use the knob to select **16 RPT SHIFT FREQ**. Touch that and use the knob to adjust the frequency. Press the **BACK** button to exit and set the value.
8. Set Transmit Power: Touch **[F MW]** on the touchscreen, then **[TXPWR]**. Use the knob to select from HIGH, LOW1, LOW2 and LOW3. Press the **BACK** button to exit and set the value.
9. Write to a Memory: Press and Hold **[F MW]** for about one second, but release it quickly after that. Use the knob to select the memory location to write. Memories which are displayed in **WHITE** are **empty**. Memories which have values already **assigned** blink **RED**. *(Note: on FT2D a blank page icon above the channel number is an empty memory and a written page icon is a used memory).* Touch **[M.WRITE]** to save to memory. You will be prompted to enter a channel name. Use the keyboard to enter a name, or press **V/M** to save without entering a name. When finished, Press the **PTT** or **V/M** to save the info to memory.

Return to memory mode by pressing the **V/M** button. Use the knob to select the memory channel.