

## **Programming the Homelink © IV (Tuning Information)**

To clear memory:

1. Press the two outside buttons until the indicator LED flashes. This indicates the memory values have been cleared.
2. Holding the hand-held transmitter to be copied 3-12 inches from the Homelink © IV and simultaneously, activate the hand-held transmitter and one of the Homelink © IV buttons until the indicator LED flashes rapidly. The frequency and bit pattern information are now stored in the Homelink © IV non-volatile memory (NVM). At this point the Homelink © IV can be used as a substitute from for the Original transmitter.

When a Homelink © IV button is pressed three things happen:

1. A Voltage Controlled Oscillator (VCO) is set to desired RF carrier frequency (recalled from the NVM).
2. The antenna is fine tuned by sweeping around the stored tuning point with a series of fine pulses of approximately 300 uS in duration with 9.6 mS off.
4. The VCO signal is then modulated with the appropriate garage door opener bit code from the NVM.