

## User guide CB PLL controller

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On power on the default channel is selected. You can change the default channel in the settings.

Turn the encoder to change channel, the range can be set in the settings.

**Note:** the controller is designed for -120 to +120 channels, although the PLL02A can handle 512 channels, the actual range depends on the range of the VCO in your radio and how it is adjusted.

If the PLL cannot be locked on a channel, an asterisk sign (\*) will appear, sometimes the PLL needs a little more time and the sign disappears, if it is permanent you might need to recheck the range settings and/or VCO alignment of the radio.



A short press on the encoder toggles between channel mode and frequency mode.

In channel mode the channel sequence is like a normal radio with all the jumps and the absence of so called Alpha channels.

In frequency mode you can switch through the entire range, 10KHz at the time without gaps or jumps, the matching channel is indicated, an "A" suffix is used on the Alpha channels.

A long press on the encoder brings up the menu.



Return: press the encoder to return to normal mode.



Set scan range: press the encoder to set the scan range. The scan range is reset to 1-40 on power on.



Turn the encoder to set the starting scan channel and press the encoder when done.



Turn the encoder to set the end scan channel and press the encoder when done.



Store default: press the encoder to set the current channel as default channel on power up.



Setup limits: set the range of the PLL based on what your radio can handle, the range is saved and will be used on power on.



Turn the encoder to set the first channel and press the encoder when done.



Turn the encoder to set the last channel and press the encoder when done.



Scan: start scanning.



Scanning is always in channel mode and within the set range, the channel and progress bar are displayed. Set the squelch according to the strength of the signals you want to detect to stop the scanning. It is normal that the sensitivity of the radio is reduced during scanning.



If a strong signal pushes open the radio, the scanning is on hold, an "S" is displayed indicating the radio is on Squelch hold. When the signal disappears the controller will pause a little while to allow responding stations to be picked up and keep the radio on hold, otherwise it will continue scanning. Turning the encoder continues the scanning on the next channel.



Press the encoder to put the scanning on hold, an “H” is displayed indicating the scanning is halted.

Press again to release the hold and continue scanning.

A long press stops the scanning and returns to normal mode.