

10/25/2022

Quick Start

1. Install the MXR10 PC software and the Prolific USB to Serial Driver as needed.
2. Plug the MXR10 programming cable into a USB port on the PC. Your PC should find new hardware and finish installing the Prolific USB to Serial cable driver. Note the com port number for the virtual com port.
3. Connect the MXR10 programming cable to the MXR10 power port.
4. Open the MXR10 PC software.
5. Select Communication Port from the PC software Set menu. Select the appropriate communication port then click OK.
6. Select Read Data from the PC software Program menu.



The password function is unused. Just leave the password fields blank.

7. Once the program is read, edit the program as needed.
8. Once the program is edited as needed, Select Write Data from the PC software Program menu.

Channel Info

The Channel Info screen allows configuration of the CTCSS/DCS, power and bandwidth for each channel. The eight GMRS repeater pairs are preprogrammed in channel slots 1-8 and duplicated in channel slots 9-16. All channel slots are programmed for high power with default programming. Channel slots 1-8 are set for wide band and channel slots 9-16 are set for narrow band with default programming.

The screenshot shows the MXR-10 software interface. At the top is a menu bar with 'File', 'Machine', 'Edit', 'Program', 'Set', and 'About'. Below the menu bar is a toolbar with icons for 'NEW', 'OPEN', 'SAVE', 'READ', 'COM', 'WRITE', and 'About'. The main area contains a table with 7 columns: CH, Rx Freq, Tx Freq, QT/DQT Dec, QT/DQT Enc, Tx Power, and W/N. The table lists 16 channels. Channels 1-8 are set to 'Wide' bandwidth, and channels 9-16 are set to 'Narrow' bandwidth. All channels have 'High' power and 'OFF' for both CTCSS/DCS decode and encode. The status bar at the bottom indicates 'UHF(400M-520M)' and 'Version0.1'.

CH	Rx Freq	Tx Freq	QT/DQT Dec	QT/DQT Enc	Tx Power	W/N
1	467.55000	462.55000	OFF	OFF	High	Wide
2	467.57500	462.57500	OFF	OFF	High	Wide
3	467.60000	462.60000	OFF	OFF	High	Wide
4	467.62500	462.62500	OFF	OFF	High	Wide
5	467.65000	462.65000	OFF	OFF	High	Wide
6	467.67500	462.67500	OFF	OFF	High	Wide
7	467.70000	462.70000	OFF	OFF	High	Wide
8	467.72500	462.72500	OFF	OFF	High	Wide
9	467.55000	462.55000	OFF	OFF	High	Narrow
10	467.57500	462.57500	OFF	OFF	High	Narrow
11	467.60000	462.60000	OFF	OFF	High	Narrow
12	467.62500	462.62500	OFF	OFF	High	Narrow
13	467.65000	462.65000	OFF	OFF	High	Narrow
14	467.67500	462.67500	OFF	OFF	High	Narrow
15	467.70000	462.70000	OFF	OFF	High	Narrow
16	467.72500	462.72500	OFF	OFF	High	Narrow

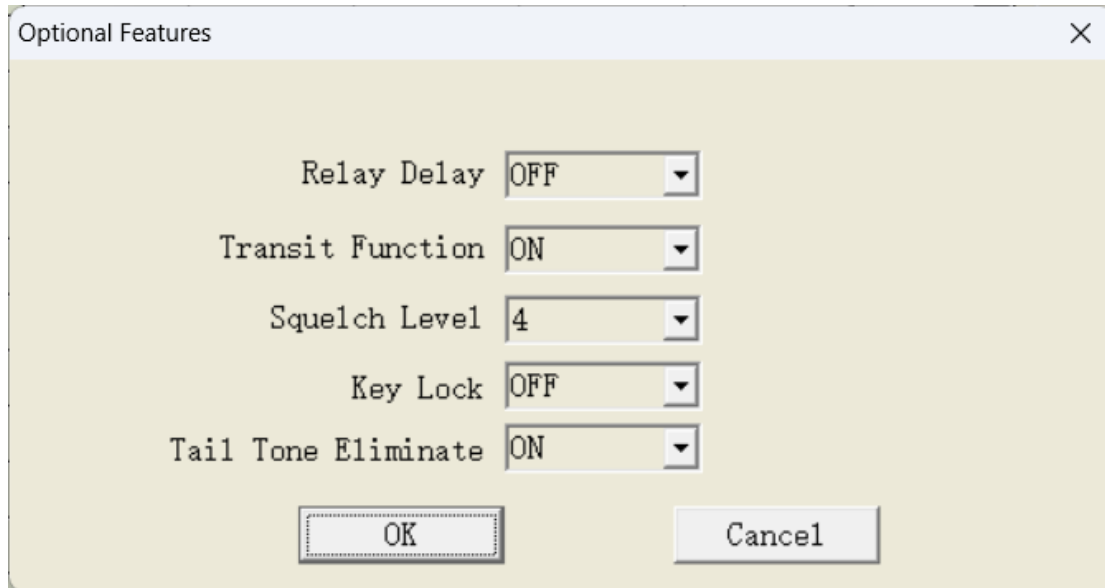
Use the QT/DQT Dec column to select the CTCSS/DCS decode, or repeater input tone/code. Use the QT/DQT Enc column to select the CTCSS/DCS encode, or repeater output tone/code.

Use the TX Power column to choose between high and low power. Select High for 10W output, about 6W from the duplexer. Select Low for 5W output, about 3W from the duplexer.

Use the W/N column to choose between wide and narrow channel bandwidth. Select Wide for ± 5 kHz maximum deviation. Select Narrow for ± 2.5 kHz maximum deviation.

Optional Features

Select Option Features from the PC software Edit menu to configure radio wide options. The optional features include Relay Delay, Transit Function, Squelch Level, Key Lock and Tail Tone Elimination.



Relay Delay allows selection of the delay time between the end of the received signal and the transmitter shut off, or repeater hang time.

The Transit Function should be ON for normal repeater operation, but can be chosen as OFF to allow testing of the receiver without the repeater function.

Squelch level is selected as 4 by default. Selecting a lower number allows weaker, noisier signals to be repeated. Selecting a higher number allows only stronger, clearer signals to be repeated.

Key Lock can be selected as ON to prevent accidental channel or volume changes. Same function as long press of both UP/DN on the MXR10 front panel.

Tail Tone Eliminate can be selected as ON to turn on the MXR10 squelch tail elimination function.