Edit channel 1
447.7000A

Select Type
< Digital >

Tx Frequency
403.0000 MHz

http://www.itrbo.com/
version 1.1
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Generic Option Board Installation
1. Remove precision screws

2. Gently lift upward

3. Disconnect keyboard
4. Remove screws

5. Install Generic Option Board

6. Reassemble the radio by reversing the preceding steps. Don’t forget to reconnect the keyboard.
Initial Setup with MOTOTRBO CPS
MOTOTRBO CPS must be installed and working in order to create a zone and channels required by the Front Panel Programming software.

To begin, connect your radio to your computer using the USB programming cable. Start MOTOTRBO CPS and follow the instructions shown on the following pages.
Click “Read” in the menu bar

Choose “Expert” mode in the “View” menu

Right-click “Channels” to add a new Zone
Right-click your newly created zone and exactly one analog channel and exactly one digital channel.

First, add an analog channel. This must be added before the digital channel is added.

Then add a digital channel.

The “Option Board” check box must be enabled for both channels.

Right-click the zone and rename it to “FPP”
Click “Write” in the menu bar

Allow the programming to complete

To complete this stage of the setup process, power your radio off, then on again.
Option Updater Software
Option Update Setup Wizard

Welcome to the Option Updater Setup Wizard

This will install Option Updater version 1.0 on your computer.

It is recommended that you close all other applications before continuing.

Click Next to continue, or Cancel to exit Setup.

Select Destination Location

Where should Option Updater be installed?

Setup will install Option Updater into the following folder:

C:\Program Files\ITRBO\Option Updater

To continue, click Next. If you would like to select a different folder, click Browse.

At least 13.7 MB of free disk space is required.
Option Update Setup Wizard

Select Start Menu Folder
Where should Setup place the program's shortcuts?

Setup will create the program's shortcuts in the following Start Menu folder.

To continue, click Next. If you would like to select a different folder, click Browse.

Option Updater

Ready to Install

Setup is now ready to begin installing Option Updater on your computer.

Click Install to continue with the installation, or click Back if you want to review or change any settings.

Destination location:
\Program Files\TRBO\Option Updater

Start Menu folder:
Option Updater
Option Update Setup Wizard

Installing
Please wait while Setup installs Option Updater on your computer.

Extracting files...
J:\Program Files\TRBO\Option Updater\mingwm10.dll

Information
Please read the following important information before continuing.

When you are ready to continue with Setup, click Next.

Please Read
MOTOTRBO CPS must be installed and working for this application to work.
Completing the Option Updater Setup Wizard

Setup has finished installing Option Updater on your computer. The application may be launched by selecting the installed icons.

Click Finish to exit Setup.
Loading the Front Panel Programming HEX file onto the radio.

Connect your radio to your PC with the USB programming cable, then click “Scan radios”.

Choose “File” - “Select image...” and locate the HEX update file found in the Option Update installation folder.

Once programming is complete, turn the radio off, then on again.
Front Panel Programming Instructions
To enter Front Panel Programming mode on your radio, select your newly created zone. Using the knobs and keypad on your radio:

Press the “menu” button
Press the right arrow button twice
Press the “OK” button

Use the arrow buttons to navigate to your newly created zone, then press the “OK” button
Press and hold back for 2 seconds, then press #.

Use the numeric keypad to enter your 10 digit license key. Press the ‘OK’ button when done.

Enter License 0000000000

OK

You are now in communications mode.

Ch1 ----.-----

Listen and talk from this screen.

Press ‘#’ to enter FPP configuration.

The PIN exists to prevent accidental programming. Enter ‘1234’ with the keypad, then press the ‘OK’ button.

Enter PIN 1234

OK
Programming Digital Channels

Choose the channel you would like to configure using the left & right arrow buttons, then press ‘OK’

Select the signal type. Press ‘OK’ to continue.

Enter the Rx frequency using the numeric keypad, then press the ‘OK’ button

Enter the Tx frequency, then press the ‘OK’ button.
Choose the color code you would like using the left & right arrow buttons, then press ‘OK’

Choose ‘timeslot 1’ or ‘timeslot 2’ using the arrow buttons, then press ‘OK’

Choose the call type:
- Group Call
- Private Call
- All Call

The following screen varies, depending on Call Type

Enter the Tx frequency, then press the ‘OK’ button.

Programming Complete
Programming Analog Channels

Choose the channel you would like to configure using the left & right arrow buttons, then press ‘OK’

Select the signal type. Press ‘OK’ to continue.

Enter the Rx frequency using the numeric keypad, then press the ‘OK’ button

Enter the Tx frequency, then press the ‘OK’ button.
Enter the Rx PL Tone using the numeric keypad, then press the ‘OK’ button

Enter the Tx PL Tone using the numeric keypad, then press the ‘OK’ button

Programming Complete