

How to Upgrade a MOTOTRBO Radio from Analog to Digital

This is a three step process.

First, download and install the appropriate firmware for your radio (either the current version or a more updated version.)

Double click on the file and let it automatically install, install and run as Administrator, you should get a confirmation that the file was successfully installed. The Firmware will know where to install the file on your computer so it is available to the MOTOTRBO CPS.

You will need to revisit the firmware update process after the next step.

Second, you will need to REGISTER and INSTALL the Analog to Digital EID License.

You must be connected to the internet and your radio must be connected to the computer.

You must have all firewall and anti-virus turned off in order to communicate with the Motorola server. Please make sure no ports are blocked on your router.

NOTE: MOTOTRBO CPS Gen 1 version 13.0 or later is required to Register and Activate the Entitlement ID below.

In the CPS Gen 1, go to FEATURES. In CPS Gen 2, go to LICENSES Then REGISTER DEVICE FEATURES.

Do Not Confuse with Register Application Features.

In CPS Gen 1, when asked for the radio serial number, either you can enter the serial number of the radio or press the Read Radio button and the field will automatically be populated with the serial number of the radio.

CUT AND PASTE EID.

In CPS Gen 1, then **ACTIVATE**. In CPS Gen 2, go to **LICENSES**, then activate **DEVICE LICENSES**.

Please make sure you **WRITE** the radio after installing the EID.

You will need to **RE-READ** the radio to see if the feature set has changed in the radio.

In CPS Gen 1, you can then **CONFIRM** by going to **DEVICE FEATURES** under the radio model icon name root on the left menu tree. The **DIGITAL** feature should have changed from **ANALOG ONLY** or **"AVAILABLE TO PURCHASE"** to now reflect **"DIGITAL"** or **"PURCHASED."**

In CPS Gen 2, under the **CONFIGURATION MENU** in the left menu tree, the **DIGITAL FEATURE** should have changed from **ANALOG ONLY** or **"AVAILABLE TO PURCHASE"** to now reflect **"DIGITAL"** or **"PURCHASED and USED."** Alternatively, you can go to **DEVICE INFORMATION** and under **FIRMWARE TYPE**, it should display **"DIGITAL."**

Third, after your **REGISTER AND ACTIVATE** the Analog to Digital Upgrade EID, the CPS will automatically ask you to **UPDATE FW**, please wait a minute while the radio finishes rebooting from **STEP 2**. Then Select **UPDATE** and follow the instructions below.

If you rushed the process, you can go to **Device**, then **Update** on the **Menu**.

The CPS will take a few minutes to find the firmware package you installed earlier.

A table will appear, select the firmware package matching the version of the firmware that you downloaded.

If you have more than one firmware package installed on your computer, you will need to select the same FW version or a higher version.

Proceed with update, don't interfere with the computer or in any way interrupt the process or you will brick your radio.

The CPS should say "Update Complete."

Congratulations! Your MOTOTRBO radio is now ready to be programmed with both Analog and Digital modes.



Please contact the author Ken Bryant with any thoughts, comments, suggestions and improvements.

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