Hytera DMR Firmware & CPS Update

Version 9.0
Notes & Guidance

October 2018 – E&OE

Hytera DMR
Firmware Update (V9.0)

Background

Hytera have released their latest DMR firmware and customer programming software (CPS), upgrading from the previous version (V8.5). This latest version includes the addition of new and enhancement of existing features, including full duplex call, wireless link communication, single GPS and XNMS.

The version 9.0 CPS and firmware upgrade kits are as follows:

Type	Reference	Compatibility
CPS	V9.00.07.512	PD505*, PD565*, PD605, PD665, PD685, PD705, PD755, PD785, PD985, X1E, X1P, MD655, MD785, RD625, RD965, RD985
Firmware	V9.00.04.405	PD605, PD665, PD685, PD705, PD755, PD785, PD985, X1E, X1P, MD655, MD785
Firmware	V9.00.08.508	RD625, RD965, RD985

* to upgrade PD505/PD565, please use the V7.06.03.400 upgrade kit which is compatible with CPS V9.00.07.512

Preparing to Upgrade

When upgrading from a radio currently running on an older firmware version (V8.0 or V8.5), you must have CPS version **V8.05.06.011** already installed on your PC for reading and writing code plugs. You will then need to install the new CPS (V9.0) – please see the next page for guidance on installing two CPS applications.

Hytera DMR
Firmware Update (V9.0)

Upgrading Older Configuration Files

It is possible to have multiple CPS versions installed on a single PC. The latest CPS (V9.0) is backwards compatible with all previous firmware versions, as it will allow you to update configuration files to the latest version that the CPS supports (i.e. V9.0). For example, the new CPS can update code plugs created on an older version (e.g. V8.05.06.011) to be compatible with V9.0 software; however you will not be able to open a V9.0 code plug in an older CPS.

Installing Multiple CPS Versions

Here's how to install the new (V9.0) CPS whilst keeping the old version (V8.5) installed also (in this example we have **V8.05.06.011** and want to install **V9.00.07.512)**:

1. Open file explorer and go to C:\Program Files (x86)\Hytera.

2. Create a new folder and name it "V8.05.06.011". To check the version number is correct, go into the "Customer Programming Software" folder and launch the "CPS" application.

3. Copy the entire contents of the "Customer Programming Software" folder into the new "V8.05.06.011" folder you have created.

4. Open "Control Panel" and select "Programs and Features".

5. Select "Customer Programming Software V8.05.06.011" and click "Uninstall". This will uninstall the programme and contents within the original folder, but not the new one you have created.

6. Go to http://www.syndico.net/dealer-area/technical-downloads/, go to the "Customer Programming Software" section and download "DMR – V9.00.07.512". This will install the new software, and create a new link on your desktop.

7. If you need to go back to use the old software, launch the application directly from the folder you created (C:\Program Files (x86)\Hytera\V8.05.06.011).

Hytera DMR
Firmware Update (V9.0)

Installing Multiple Firmware Upgrade Kit (FK) Versions

As with installing multiple CPS versions, the same process can be adopted with FKs:
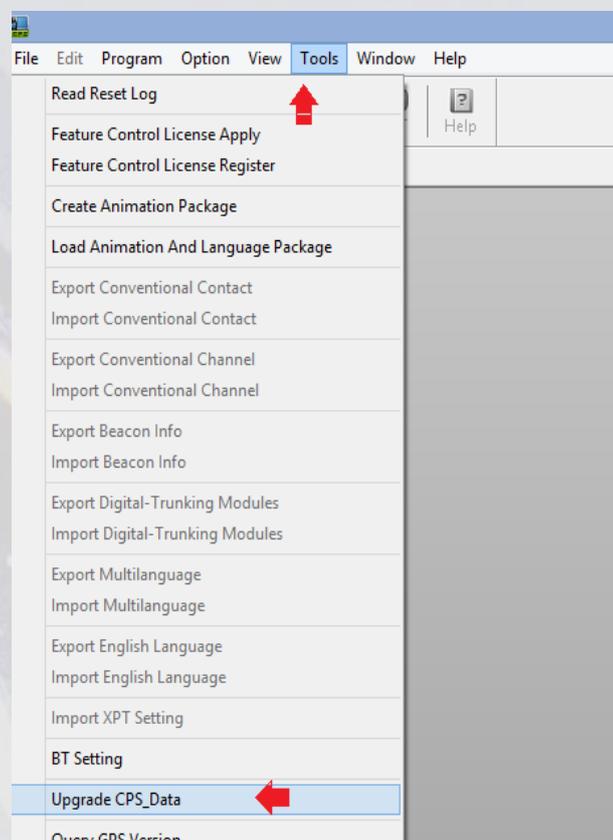
1. Open file explorer and go to C:\Program Files (x86)\Hytera RCPs\UpgradeKit.

2. Create a new folder and name it with the firmware version (e.g. "V1.09.04.005").

3. Copy the entire contents of the original folder into the new folder you have created.

4. Open "Control Panel" and select "Programs and Features".

5. Select the original FK and click "Uninstall".

6. Go to http://www.syndico.net/dealer-area/technical-downloads/ and download the new FK you require.

7. If you need to go back to access the old FK, navigate to the new folder you created in C:\Program Files (x86)\Hytera RCPs\UpgradeKit.
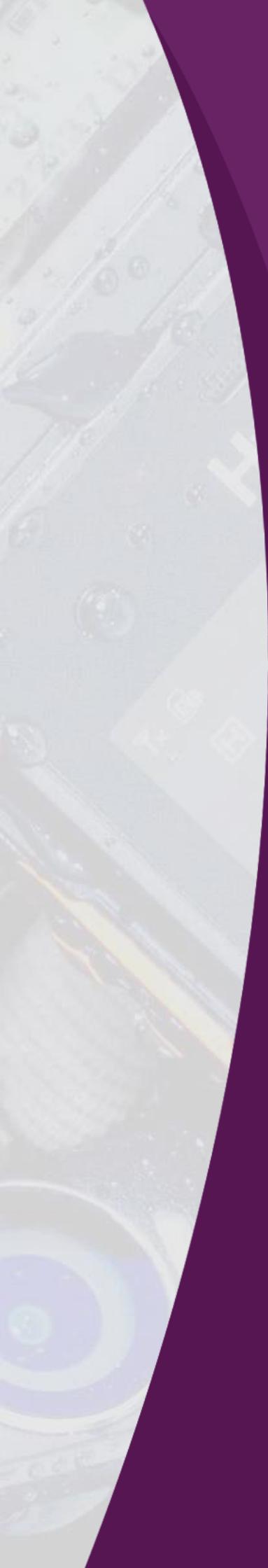
Backwards Compatibility

CPS V9.00.07.512 is only compatible with radios running on firmware versions V9.00.04.405 (portable/mobile) or V9.00.08.508 (repeater), but can upgrade any configuration files from older versions to V9.0.

You can update your programming files from radios running on older firmware versions (i.e. V8.0 or V8.5) using the following steps:

1. Ensure CPS V8.05.06.011 is installed so the old files can be opened and checked (see previous page for guidance);

2. Open CPS V9.00.07.512

3. Go to "Tools" > "Upgrade CPS_Data", and select the old files to be converted to V9.0 format.

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