



**HYTERA UK**

Technical Instruction TI-0028

## AP & BP Series CPS and Firmware Upgrade

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## 1 References

Filename	Description	Version	Author

## 2 Document History

Version	Date	Author	Changes
1.0	17/11/2022	Martin Edwards	Initial release.

## 3 Glossary

DMR	Digital Mobile Radio
ETSI	European Telecommunications Standards Institute
Hytera	Hytera Communications (UK) Co., Ltd

## 4 Introduction

### 4.1 Purpose

To document the process for running the Unified CPS for the AP and BP Series terminals and the process for performing a firmware upgrade.

### 4.2 Scope

This document describes how to use the unified CPS and upgrade the firmware.

### 4.3 Intended Audience

This document is intended for use by persons who are familiar with the operation of Hytera applications, basic knowledge of the Windows Operating System and the functionality provided by the equipment supplied.

## 5 Requirements

5.1 AP & BP Series CPS Starter Installation package

5.2 AP & BP Series firmware upgrade kit

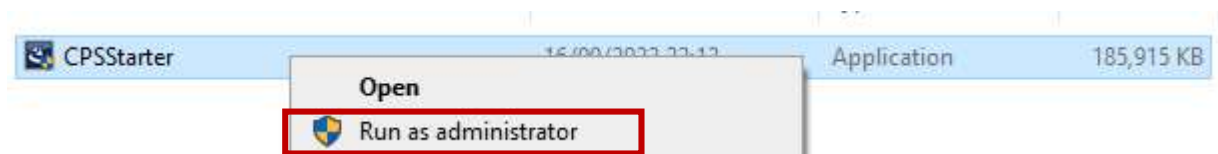
## 6 CPS Starter

### 6.1 Installation

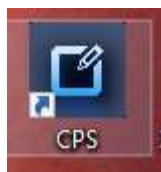
Download the CPS Starter installation package from the partner portal on the Hytera Europe website.

Uninstall any currently installed versions of the AP & BP CPS from the computer

Right click on the CPSStarter.exe and select Run as Administrator

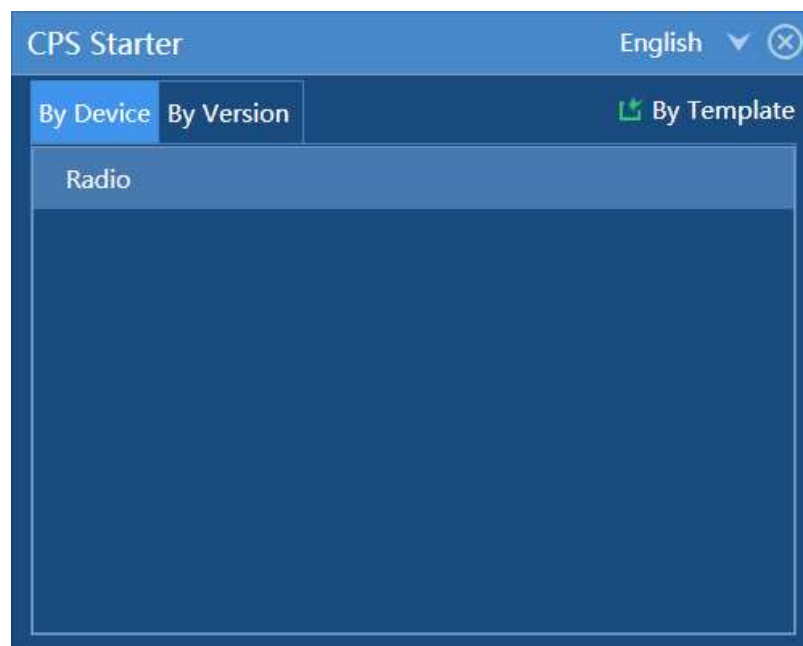


Once installation is complete, the following icon will be added to the desktop



### 6.2 Running the Application

Click on the icon to run the application, the following screen will be displayed

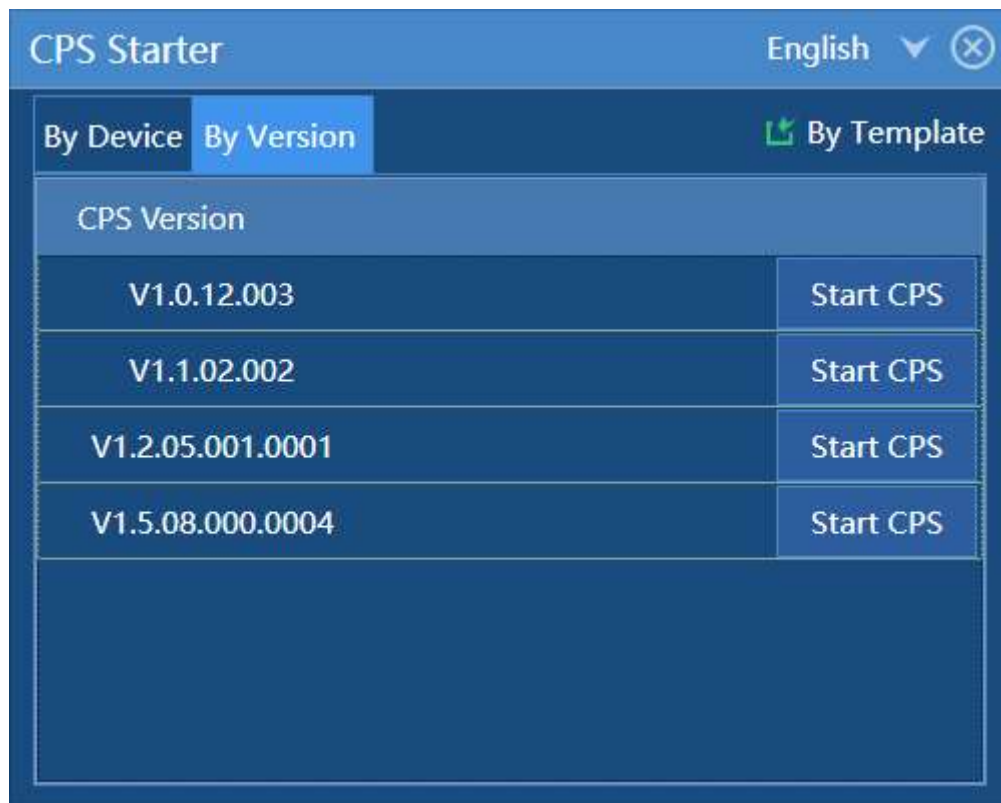


### 6.2.1 By Device

Selecting this option will open the CPS version that is associated with the firmware version installed in the radio. This is documented in Appendix A.

### 6.2.2 By Version

Selecting this option will show the following screen to be displayed



The user can now select the required CPS version based on the firmware version installed in the radio. This is documented in Appendix A.

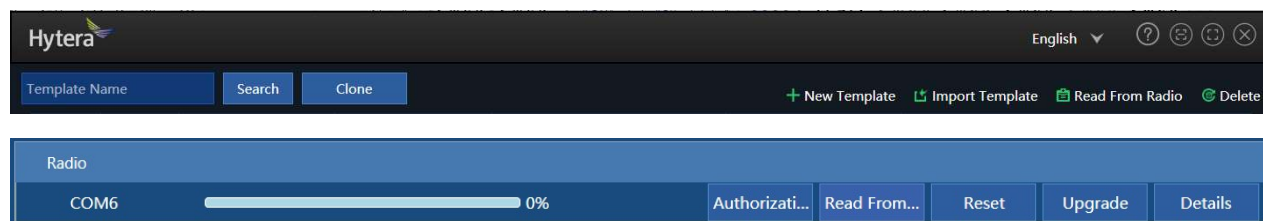
**NOTE:** Opening the latest CPS version and reading a radio with an older firmware version will automatically upgrade the configuration file to match the latest radio data version. You will not be able to write this configuration file back to the radio.

## 7 Firmware Upgrade

The firmware upgrade is performed from the CPS rather than from a separate upgrade kit. The upgrade needs to be performed using the applicable CPS version as per the table in Appendix A.

To upgrade a radio, connect it to the computer using the PC155 cable. Turn the radio ON.

From the main menu bar, select Read from Radio



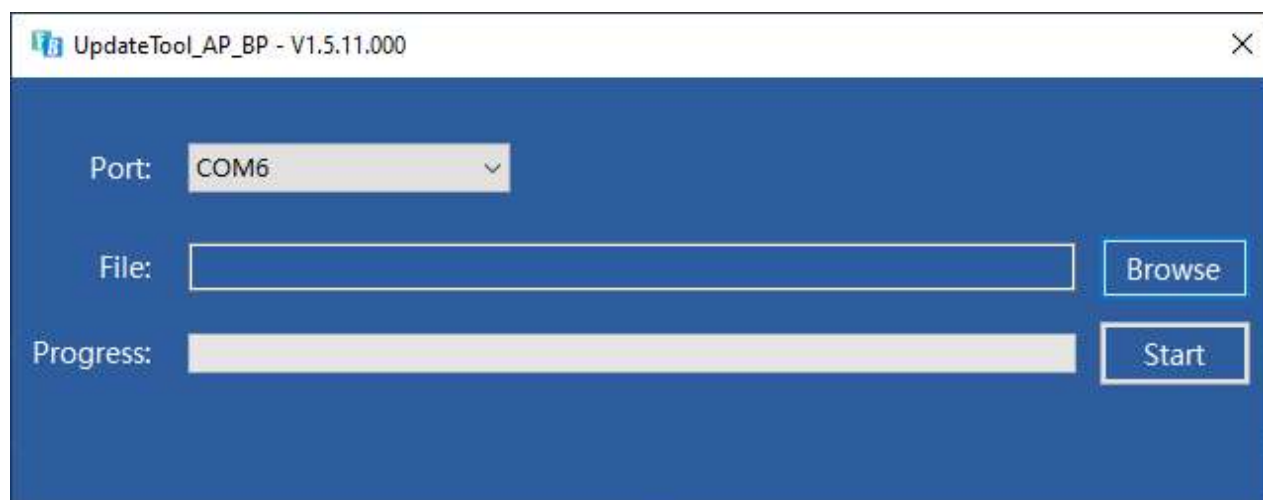
Click Details to read the Firmware Version installed in the radio

COM6

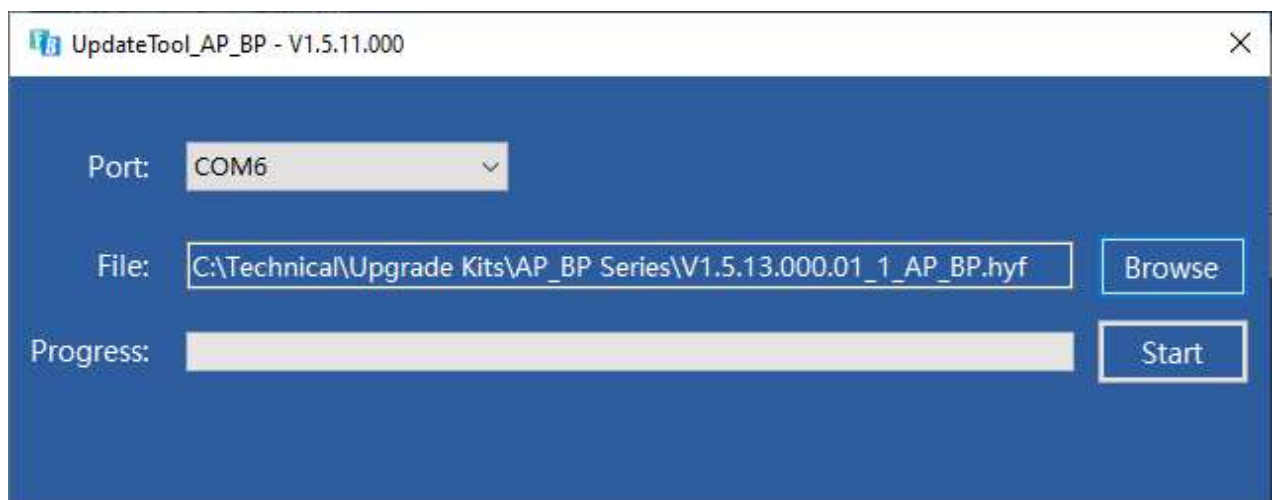
Serial Number	R226081245	Radio ID	1	Model Name	BP565 U1
Radio Data Version	V1.5.08.000	Bootloader L2 Version	N/A	Bootloader L3 Version	V1.0.06.003
Frequency Range	400-470MHZ	Last Programmed At	2022-06-09	String Version	V1.5.15.000
Firmware Version	V1.5.13.000.01	Image Pack Version	V1.5.08.000	Voice Broadcast Version	N/A
Tuning Data Version	V1.0.03.012.AP580.U1	Font	V1.5.02.000	BT Version	N/A
On-Off Animation Version	V1.0.05.000				

NOTE: Do not upgrade the radio if the firmware version installed is the same as the version you are updating to.

Click Upgrade and the following screen will be displayed



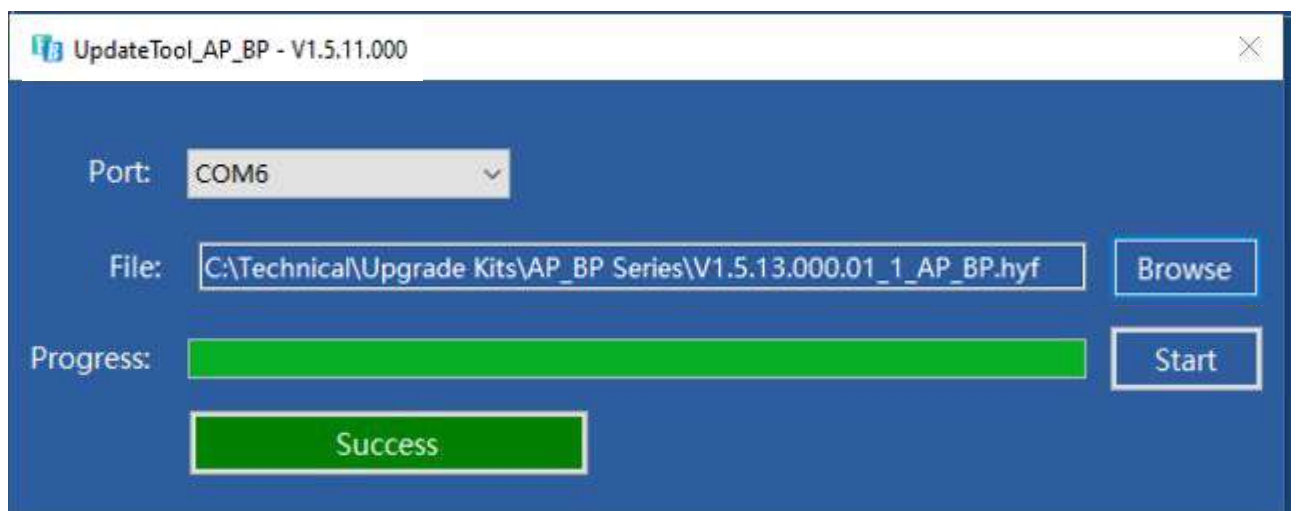
Click Browse and select the upgrade file required



Click Start. The radio will reboot and enter firmware upgrade mode automatically.

The Progress bar will go to 90% multiple times as each step of the upgrade process is completed.

Once the upgrade has been completed, the following message will be displayed





## 8 Appendix A

Radio Model	Firmware Version	CPS Version	Upgrade Kit
AP515, AP585, BP515, BP565	V1.0.20.001	V1.0.12.003	Initial Release
AP515, AP585, BP515, BP565	V1.1.01.003	V1.1.02.002	V1.1.01.003.01_1_AP_BP
AP515LF, BP515LF	V1.2.07.001.01	V1.2.05.001.0001	Initial Release
AP515, AP585, BP515, BP565	V1.5.13.000.0001	V1.5.08.000.0004	V1.5.13.000.01_1_AP_BP

For radios with firmware V1.0.12.001, you will need to use CPS V1.0.12.000 to read and write.

Note that radios with this firmware version cannot be upgraded. If you have one of these radios, please contact your Account Manager who will be able to advise you of your options.