



**BT Software Upgrade Guide**  
**For**  
**X1e/X1p Digital Portable Radios**

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# Documentation Information

This section describes the conventions and revision history of this document.

## Conventions

### Instructional Conventions

Icon	Description
 <b>Tip</b>	Indicates information that can help you make better use of your product.
 <b>Note</b>	Indicates references that can further describe the related topics.
 <b>Caution</b>	Indicates situations that could cause data loss or equipment damage.
 <b>Warning</b>	Indicates situations that could cause minor personal injury.
 <b>Danger</b>	Indicates situations that could cause major personal injury or even death.

### Notational Conventions

Convention	Description
“ ”	The quotation marks enclose the name of a software interface element. For example, click “OK”.
<b>Bold</b>	The text in boldface denotes the name of a hardware button. For example, press the <b>PTT</b> key.
->	The symbol directs you to access a multi-level menu. For example, to select “New” from the “File” menu, we will describe it as follows: “File -> New”.

### Revision History

Version	Release Date	Description
R5.5	10-2013	Initial Release.

# 1. Instructions

To ensure successful upgrade, please read the instructions below carefully and contact us for information about required software and cables beforehand.

No.	Software/Cable	Description
1	Firmware	R5.5 or later.
2	BT Software	x1p_1_01_020.dfu
3	USB-Serial Driver	PL2303_Prolific_GPS_1013_20090319
4	Upgrade Tool	DFUUpgrade
5	Cable	BT software upgrade cable for X1 series (1.2m).

To ensure successful upgrade, please follow the instructions below:

- Do not run other Hytera applications during upgrade.
- Do not disconnect the power supply of the radio during upgrade.
- Do not disconnect the cable during upgrade.

## 2. Pre-upgrade Tasks

Before upgrading the BT software, please follow the procedures below to install the upgrade program on your computer.

**Step 1** Obtain the upgrade package.

Obtain the upgrade package which is compatible with your radio.

**Step 2** Unzip the upgrade package.

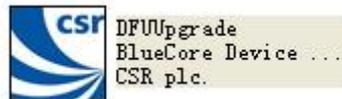
Unzip the upgrade package to obtain the *setup.exe* file.

**Step 3** Double-click the *setup.exe* file to start the installation.

**Step 4** Follow the on-screen instructions to finish the installation.

**⚠ Caution:** It is recommended to leave all default settings unchanged, to achieve successful upgrade.

After the installation is finished, a shortcut shown as below will appear on the desktop of your computer.



**Step 5** Obtain USB-Serial Driver, and follow the on-screen instructions to finish installation.

After the installation is finished, you can find the USB port information in “Device Manager” of the computer.

## 3. Upgrade

### 3.1 Requirement

Before upgrade, make sure the keys of the radio shown below are functioning properly (here take X1e for example).



- Prepare the required hardware including the BT upgrade cable for X1 series shown below before upgrade.



## 3.2 Operation

### 3.2.1 Upgrade Procedures

- Step 1** Turn off the radio.
- Step 2** Connect the radio to the computer using the cable.
- Step 3** Enter the BT Upgrade Mode by pressing and holding down the **TK** key and **SK1** key simultaneously.

The relevant indication will be given and the LED indicator will flash red after the radio enters the BT Upgrade Mode successfully.

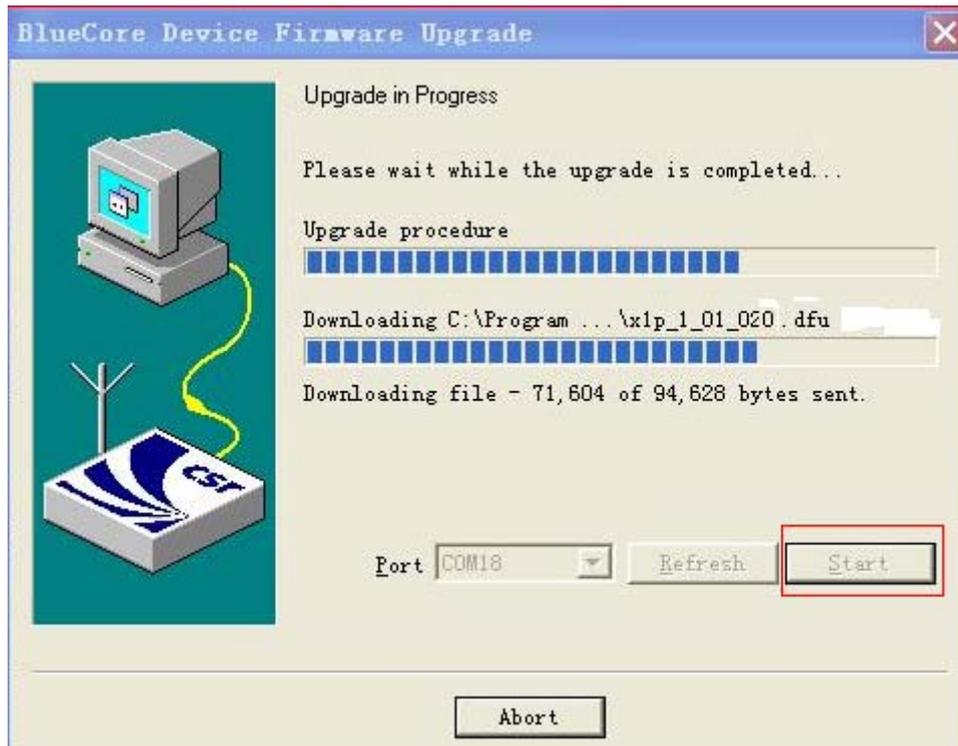
- Step 4** Double-click the shortcut on the desktop to enter the following interface.



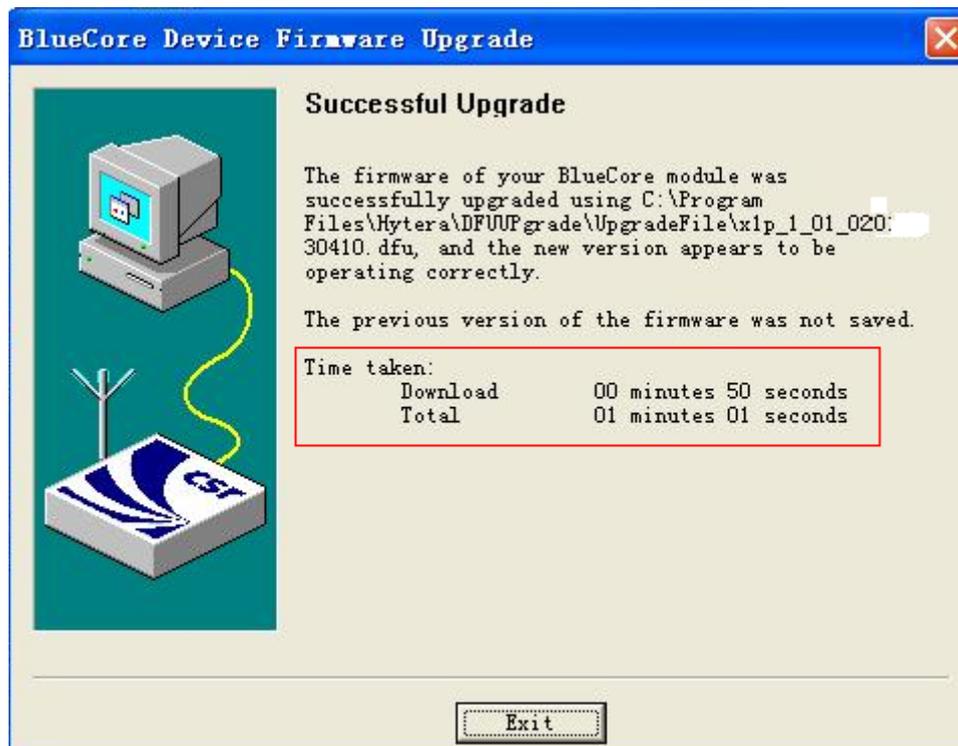
**Step 5** Select the appropriate COM port from the drop-down list of "Port". This port is used for connection between X1e/X1p and the computer.

**Step 6** Click "Start". The BT software will be upgraded automatically as shown below.

The LED indicator will glow red during upgrade.



If the information shown below appears, it indicates successful upgrade.



**Step 7** Click "Exit" and turn off the radio to finish upgrade.

**Step 8** Restart the radio for proper operation after upgrade.

### 3.2.2 Post-upgrade Tasks

The BT software version can be verified via CPS only due to the unavailability of this function in X1e/X1p.

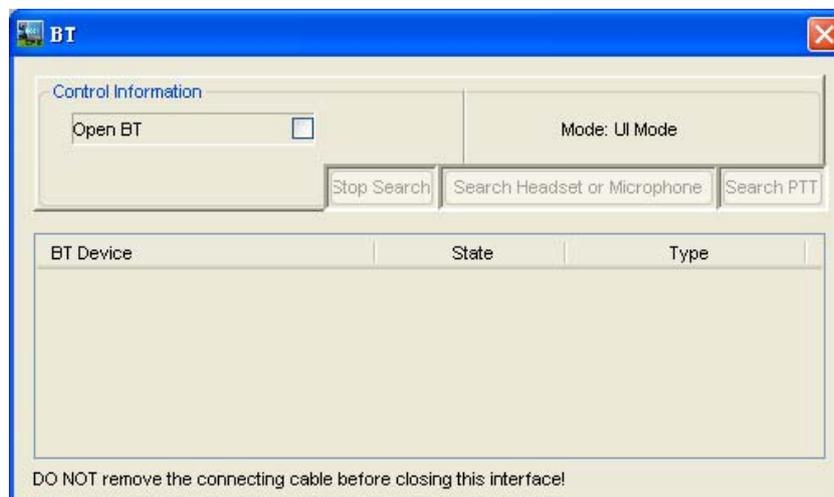
To verify the BT software version, do as follows:

**Step 1** Turn on the radio.

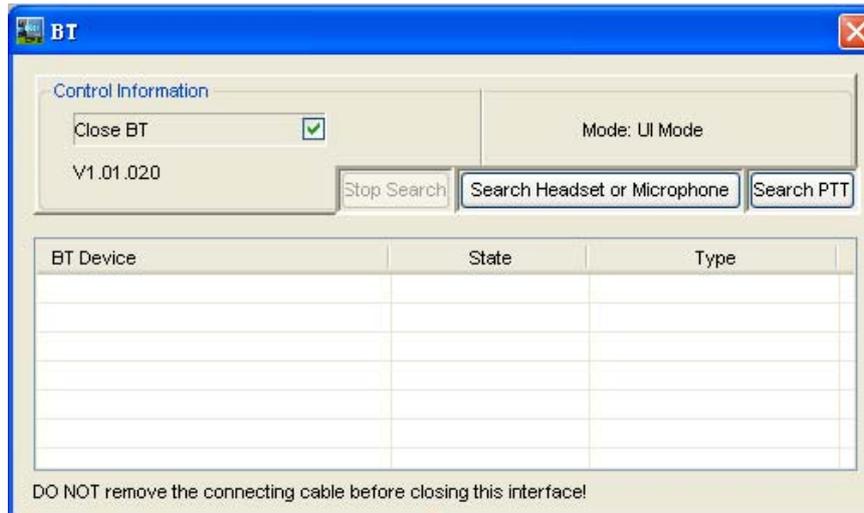
**Step 2** Connect the upgraded radio to the computer, open the CPS and read data from the radio via CPS.

**Step 3** Go to “Tools -> BT Setting” to prompt out “Communication Port” window.

**Step 4** Select the appropriate USB port from the drop-down list. Click “OK” to enter the interface shown below.



**Step 5** Check the “Open BT” to enable the BT feature for the X1e/X1p. The BT software version (e.g. V1.01.020) will be displayed in the “Control Information” pane as shown below.



**Step 6** Confirm whether the BT software has been upgraded to the latest version.

**Step 7** Turn off the radio to finish verification.