

# Arvus International Limited

29th April 2022 – Firmware Update Instructions

## There are two steps to this 9.1.6 Firmware Update

1. **.bin** file for the main PCB firmware
2. **.dnt** for the Dante board

### 1. .Bin file PCB firmware upgrade

**1.1** Connect H2-4D and Router with network cable.

**1.2** Power on H2-4D and find the ip address of H2-4D (for example : 192.168.1.222) from Router

**1.3** Open H2-4D Firmware upgrade GUI webpage : 192.168.1.222, as shown in the figure 1.

The screenshot displays a web interface for firmware upgrade. It is divided into four main sections:

- INPUT SOURCE:** A dropdown menu is set to "ARC/eARC".
- NETWORK:** A series of input fields for network configuration: "DHCP" is set to "on"; "IP Adress" is 192.168.1.2; "Gateway" is 192.168.1.1; "Subnet" is 255.255.255.0; "DNS" is 192.168.1.1. An "Apply" button is located below these fields.
- FIRMWARE:** The current firmware is identified as "MCU V1.014". A "Firmware Update" button is present.
- CODEC IN USE:** The field shows "N.E.".

Figure 1

**1.4** Click "Firmware Upgrade".

- 1.5 Select the new H2-4D firmware (such as H2-4D\_mcu1.015\_dsp1.43.bin).  
The power LED will flash red during upgrade, as shown in the figure 2.

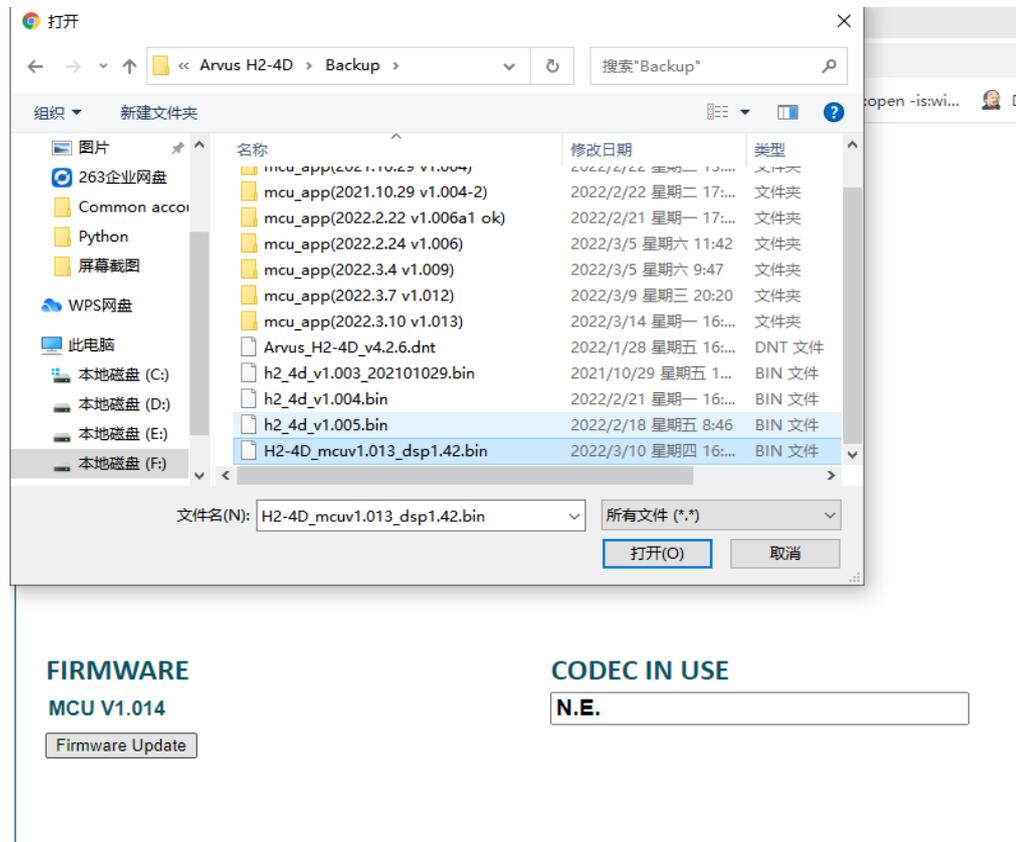


Figure 2

- 1.6 After about 3Min, if phase 1(download) of upgrade is successful, you will find “Update Complete” pop-up menu, as shown in the figure 3.

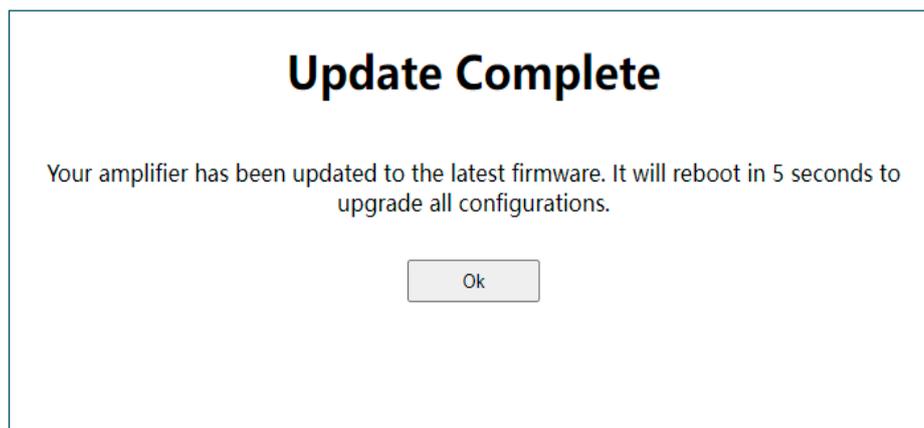
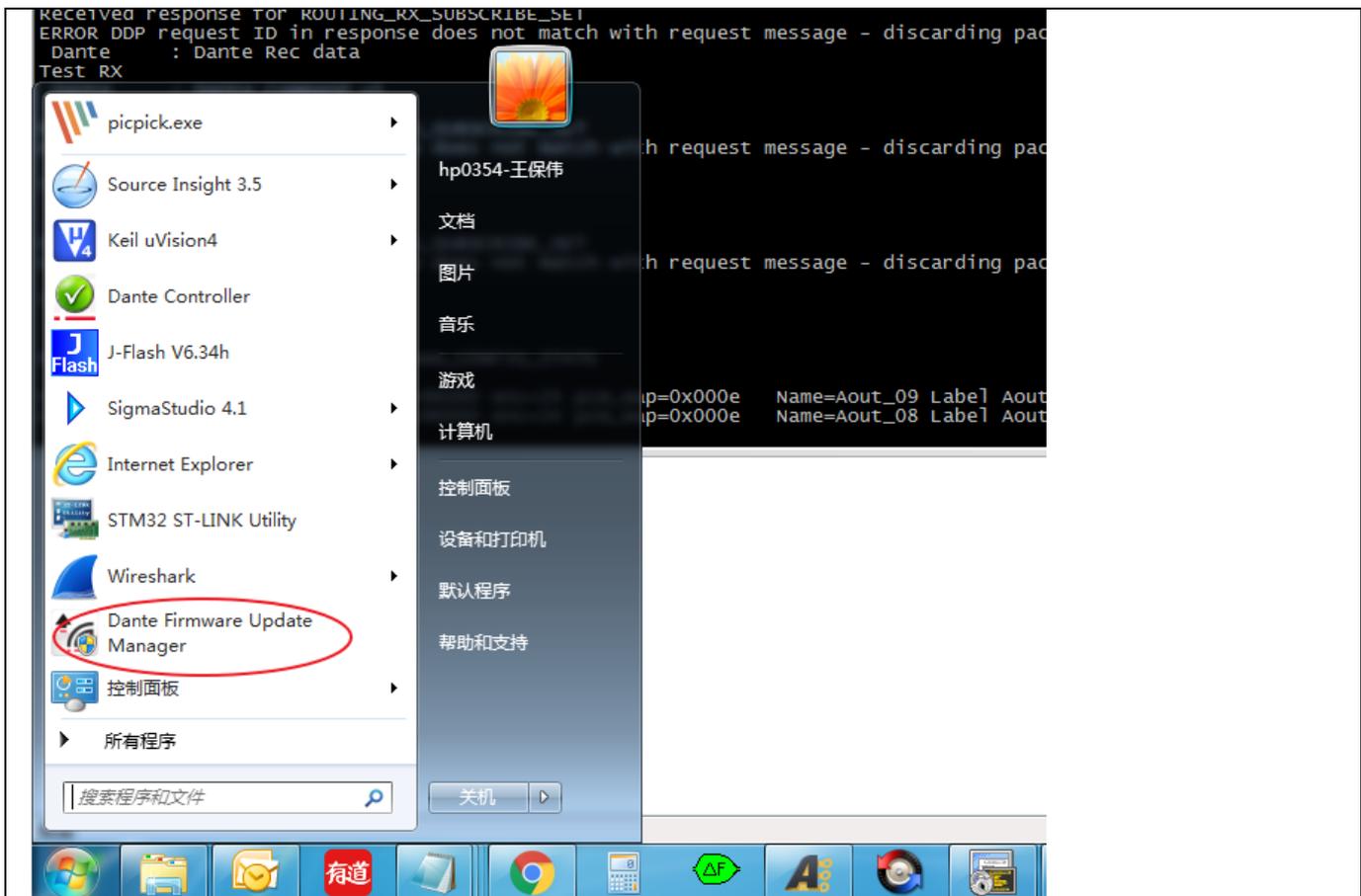


Figure 3

- 1.7 Click “Ok”, After about 1Min, H2-4D will restart to finish phase 2(burn) of upgrade. Then enter in to normal process

## 2. .dnt file DANTE firmware upgrade

Rev.	Summary/Change details	Used for	Date
V1.00	First release		2022/3/28



The screenshot shows a Windows desktop environment. In the background, a terminal window displays network-related error messages: "Received response for ROUTING\_RX\_SUBSCRIBE\_SET", "ERROR DDP request ID in response does not match with request message - discarding packet", "Dante : Dante Rec data", and "Test RX". In the foreground, the Start menu search interface is open, listing various applications. The application "Dante Firmware Update Manager" is highlighted with a red circle. The taskbar at the bottom shows several icons, including the Start button, File Explorer, Mail, Baidu, and several utility icons.

**2.1 App Installation**

**2.2 Upgrade Process**

- 2.2a Connect H2-4D Dante Ethernet network Interface to router.
- 2.2b Connect PC to the same router.
- 2.2c Open “Dante Firmware Upgrade Manager”, click Next, as shown in the figure 1.

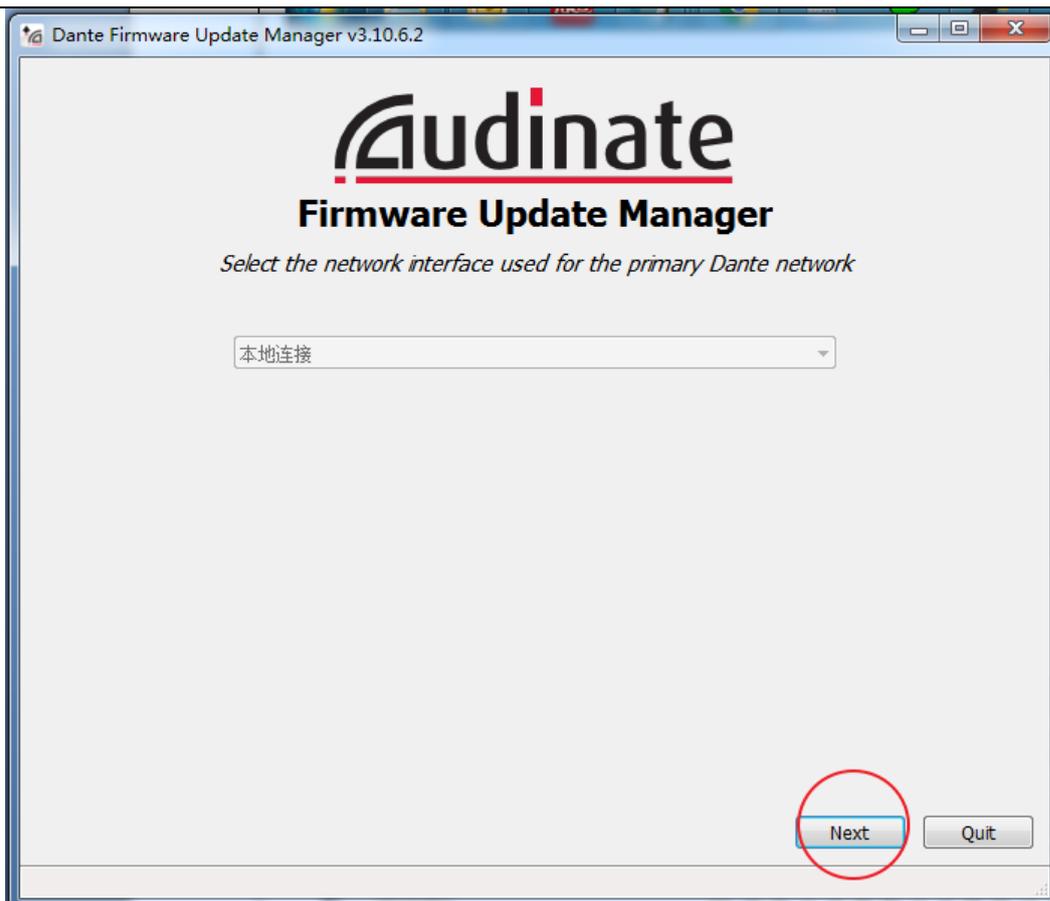


Figure 1

2.3 click "Update Dante Firmware", as shown in the figure 2.

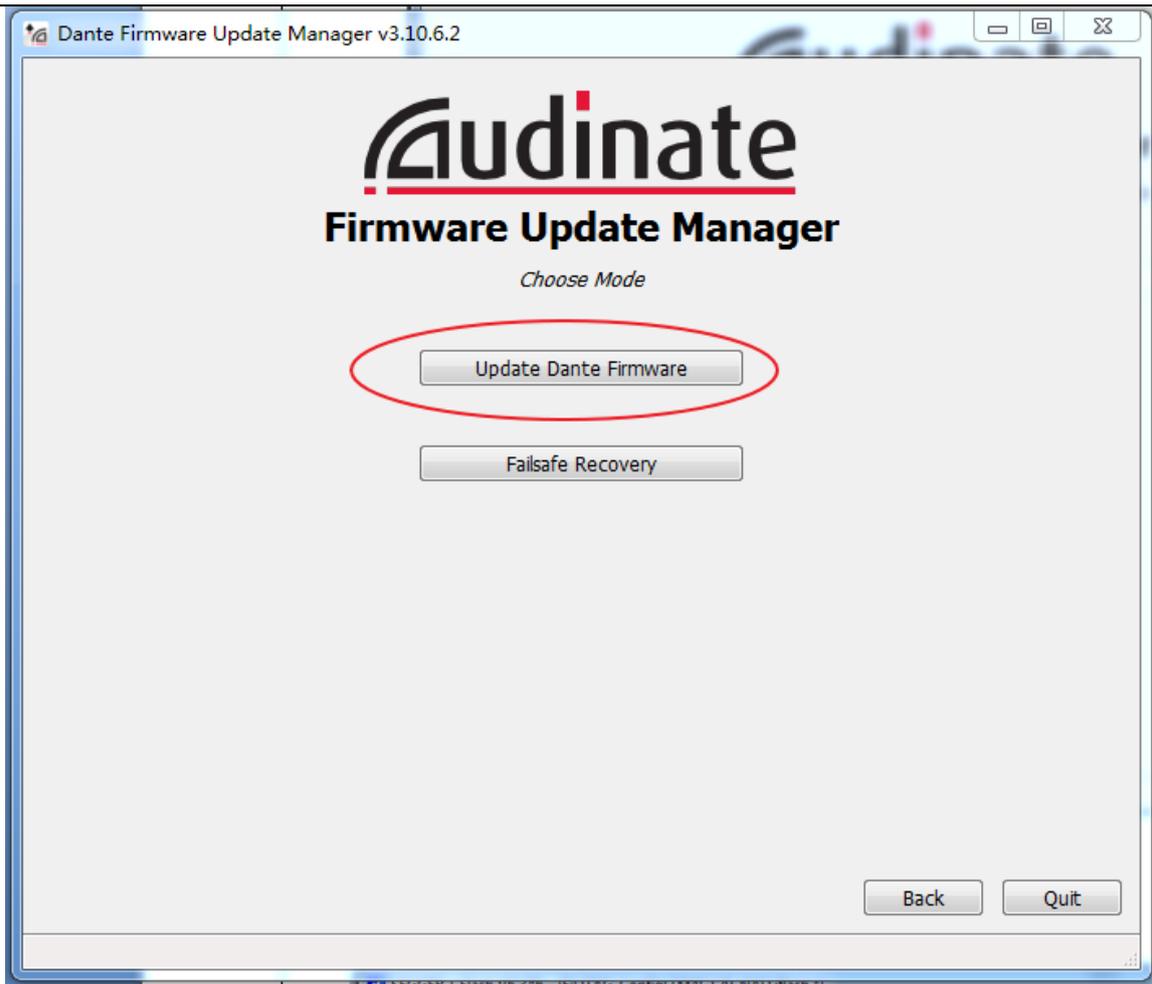


Figure 2

2.4 Open .dnt file, for example, Arvus\_H2-4D\_v2.002.dnt, check "Override Device Matching" option, then click next, as shown in the figure 3.

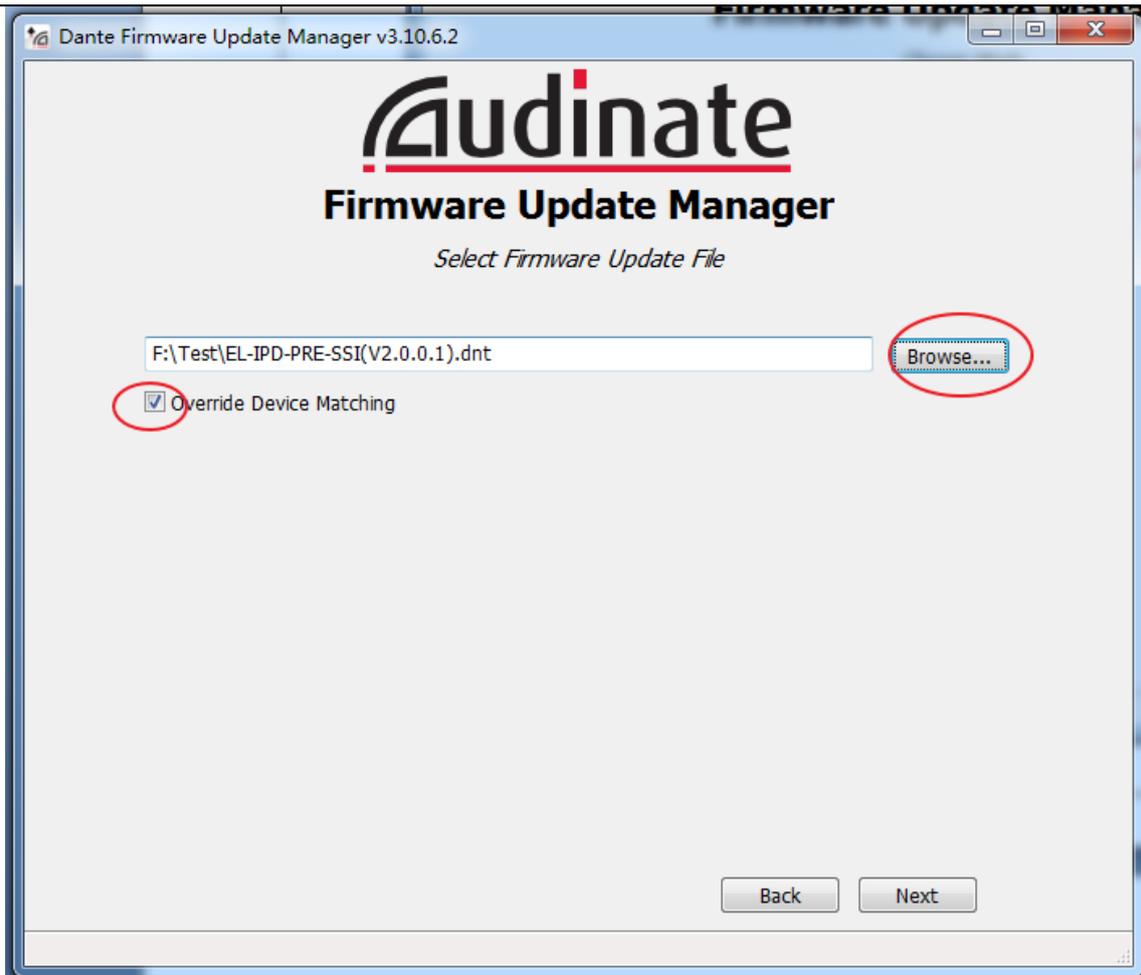


Figure 3

2.5 After searching the device to be upgraded, check the device to be upgraded and click Start to Start burning, as shown in Figure 4.

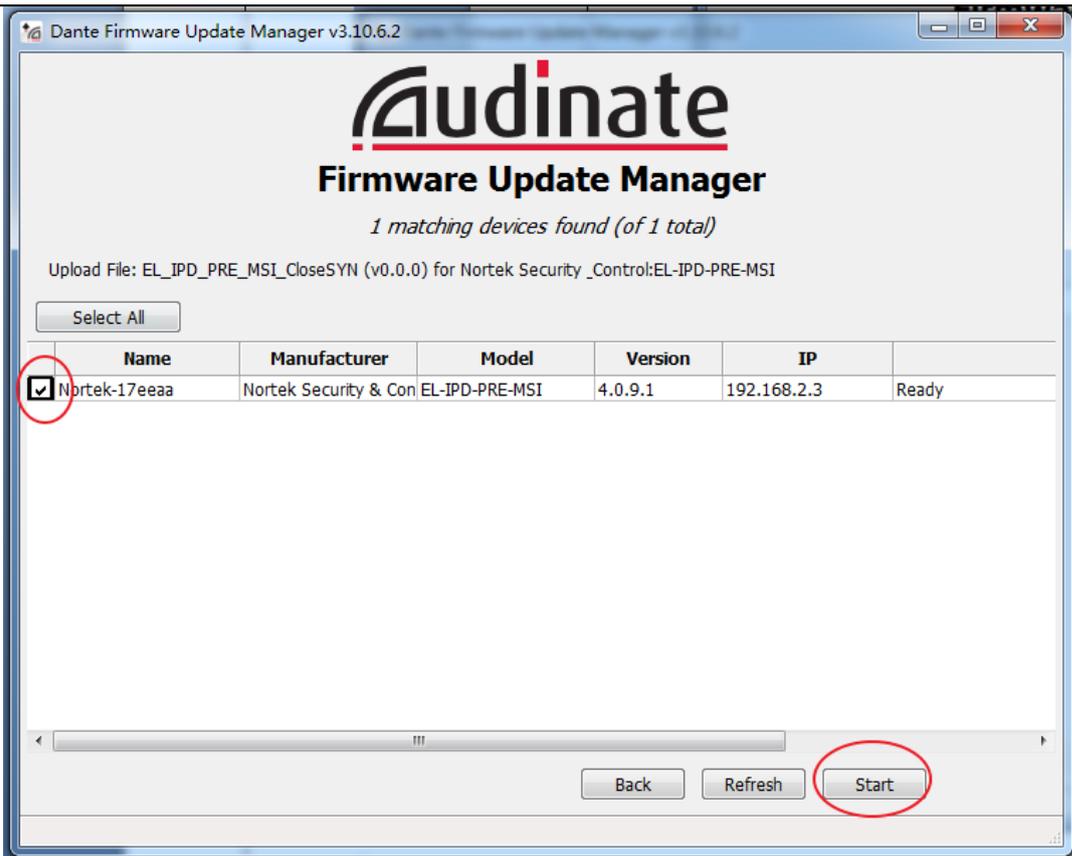


Figure 4

2.6 After upgrading, pop-up box displays "x devices have been upgraded", as shown in the figure 5 :

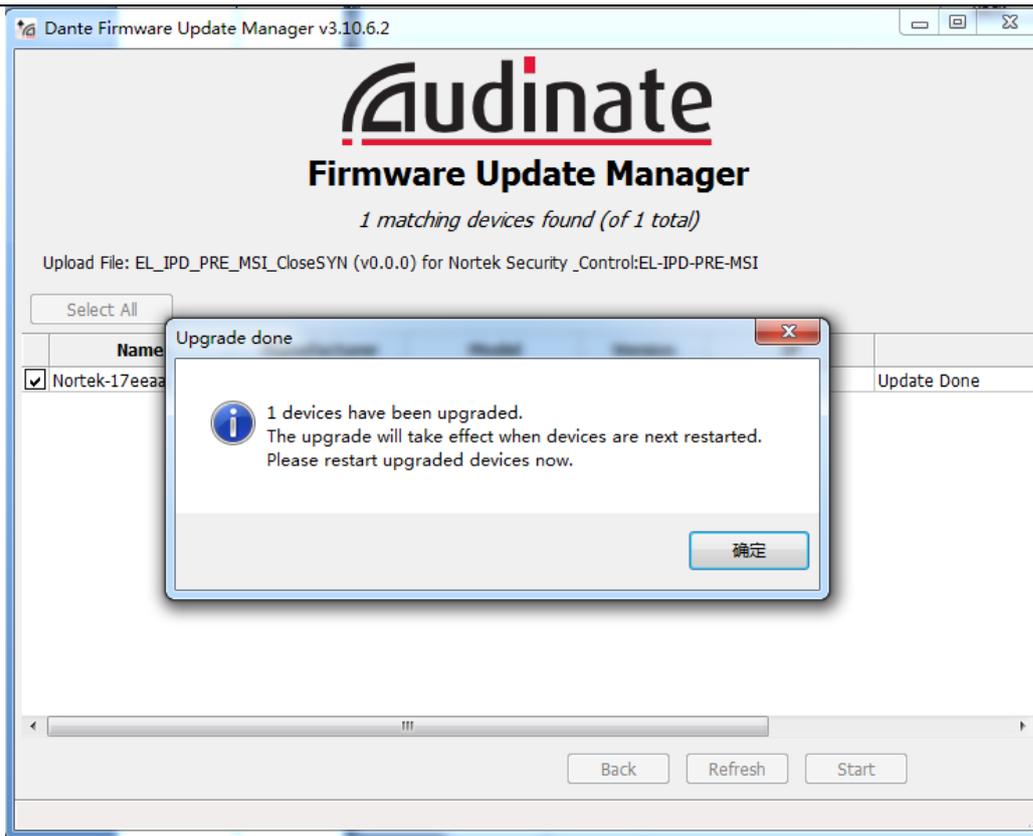


Figure 5

2.7 **Cycle power on and restart the unit.**