



Updating Process of Parrot Sound System by Bluetooth





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This document will guide you through the steps concerning the update of your Parrot Sound System (PSS). An update is generally necessary from time to time in order to:

- reconcile new phones issued on the market with Parrot devices and
- make operable new functionalities as well [initially available on your telephone].

Abbreviations :

- Parrot Sound System : PSS,
- Parrot Flash Update Wizard : PFUW,
- File Transfert Protocol : FTP,
- Personal computer : PC

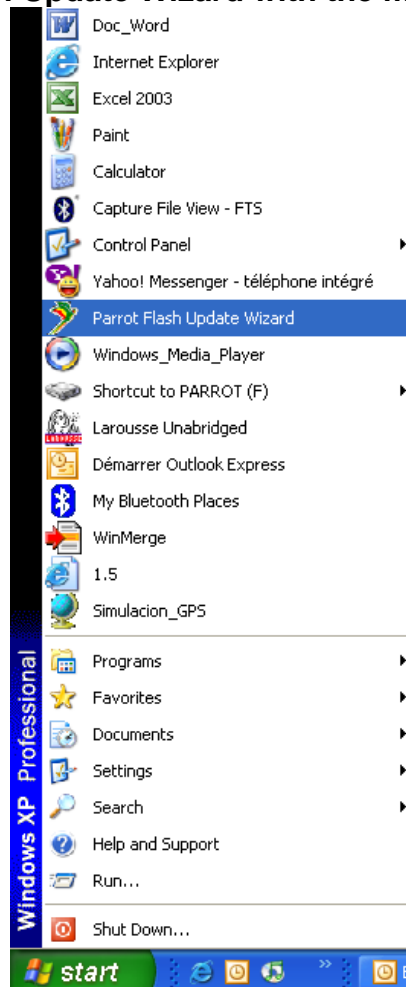


Prerequisite

Parrot Flash Update Wizard

First of all, please ensure that you have the latest version of Parrot Flash Update Wizard (PFUW). You can download it from the Internet Website of Parrot by this link: www.parrot.biz/uk, or www.parrot.biz/usa (Support / downloads).

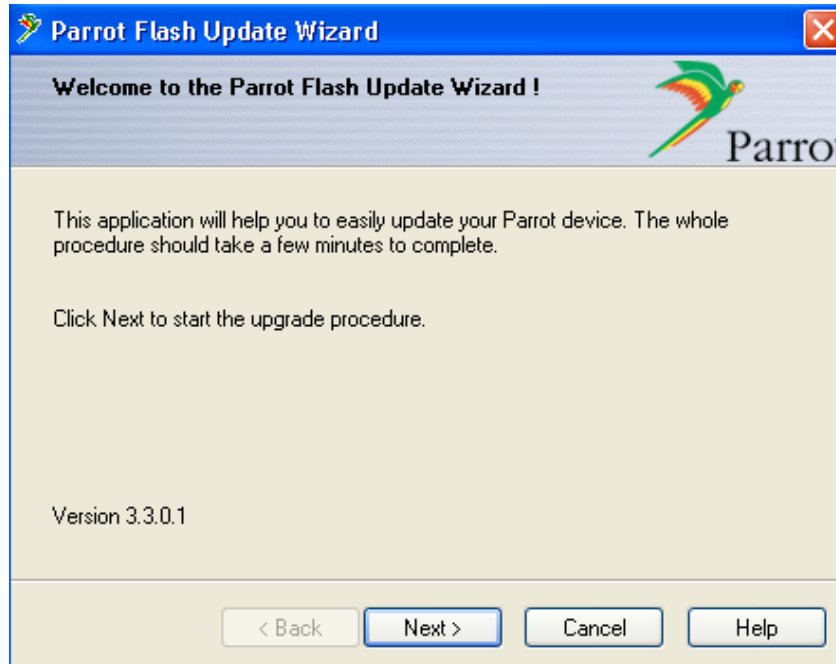
Launch Parrot Flash Update Wizard with the menu 'Start' of your PC:



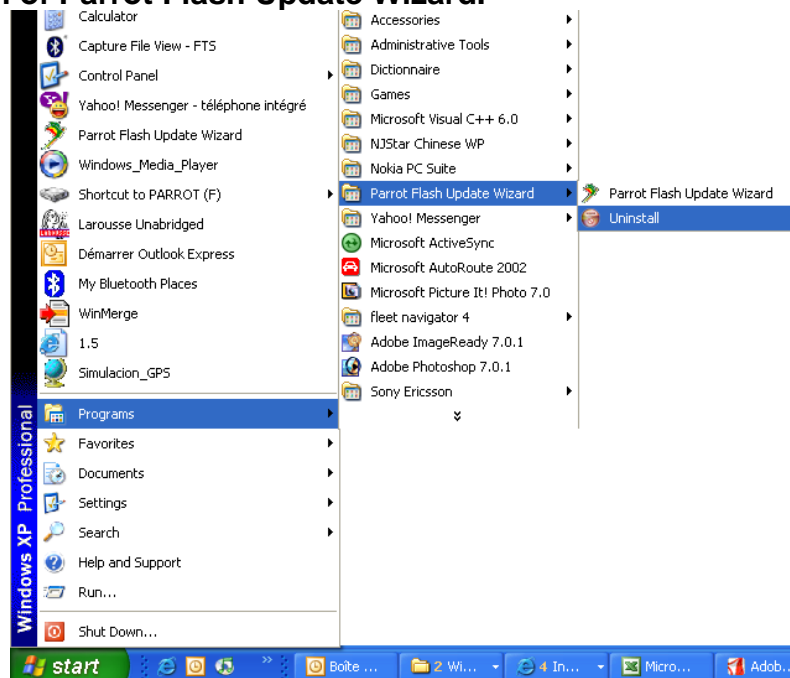
Please ensure that you have at least the version 3.3.0.1 (October 2006). Right after having launched the PFUW software, this information is displayed in the bottom left-hand corner. For more details, you can take a look at the latest 'version number' available at www.parrot.biz/uk (choose support / Downloads, then go at the bottom of the page, where you have all versions associated to Parrot products).



- If you have the latest one, please jump directly to the section “Parrot Dongle” of this document.



- Otherwise, select the Uninstall software to remove previous or older version of Parrot Flash Update Wizard.



- Once the old version removed, go onto our Internet Website www.parrot.biz/uk or www.parrot.biz/usa in the section SUPPORT \ DOWNLOAD to get the latest version online of Parrot Flash Update Wizard.



Parrot Dongle

In order to flash by Bluetooth your Parrot Sound System Equipment, you will need to use a specific device.

This device has the shape of a Bluetooth USB Dongle, that will be nominated further in this document under the term 'key'.



- Please first make sure that Parrot Dongle drivers are correctly installed on your PC. Please refer to the Parrot Dongle leaflet for further details.
- Insert your Parrot Dongle inside one of the USB ports of your PC to start the installation of your new software dedicated to your Parrot Sound System. Indeed, this update will be operated thanks to the Parrot Dongle and the Bluetooth link thus created.





Updating your Parrot Sound System.

The update of your Parrot Sound System consists in two steps: each loudspeaker should undergo the same updating process separately.

You have at your disposition two methods to update Parrot Sound System:

- by FTP (File Transfer Protocol), or
- by Bluetooth Serial Connection.

Each method has its own way of flashing and is independent from the other one. You should only use one of these methods to update your Parrot Sound System.

Correlative to these methods, you may have several Bluetooth Dongles at your disposal. Depending on the dongle (brand) you are using, different screens could be displayed according to the Bluetooth Stack used.

In this document, we will describe the 'update' process managed by two mainly Bluetooth Stacks used by diverse dongles on the market: we will insert schemes mentioning

- the BROADCOM stack on the left-hand side of the page and
- the WINDOWS stack on the right-hand side.

If there is no mention specifying the stack, both processes are common to these stacks.

Preparation

- Please ensure that your two loudspeakers are switched ON (LEDs on your loudspeakers emit blue light or red light).
- Please press long on the Configuration buttons of your loudspeakers. LEDs on your loudspeakers alternate with blue and red light.

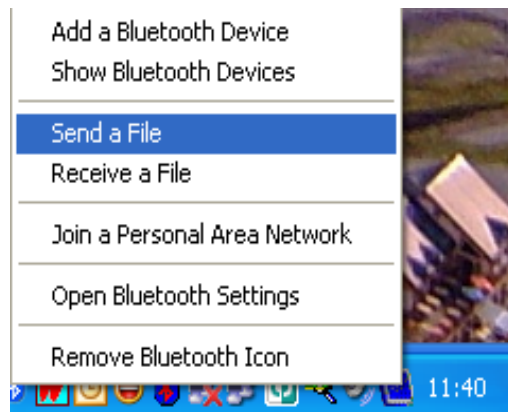
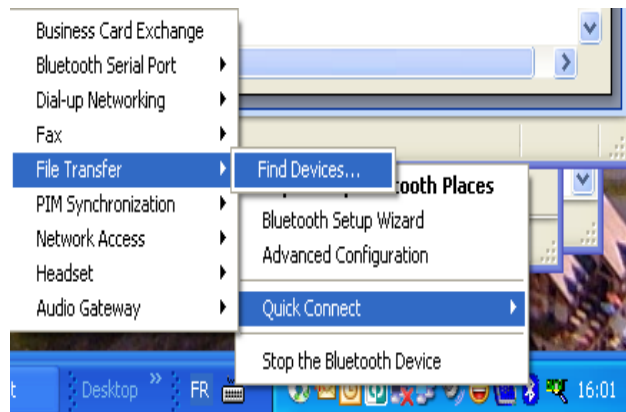
After a few moment, the blinking will stop on one of the loudspeaker and it will stay blue CONSTANTLY, while the LED of the other one loudspeaker will remain also in Blue but BLINKING.

We name the loudspeaker, which LED stays in BLUE, after the name SLAVE, whereas the other takes the MASTER appellation.

In the following procedures, should you not succeed in discovering your PSS, please press long on the Configuration buttons of your loudspeakers to erase any previous pairing and redo the discovery protocol.

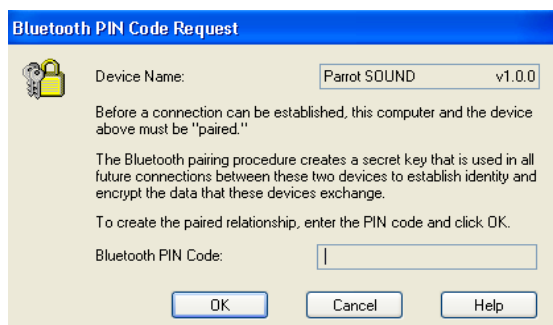
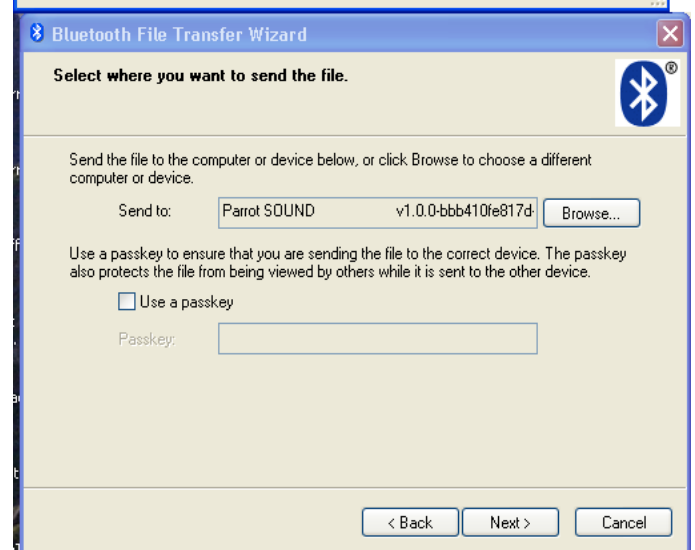
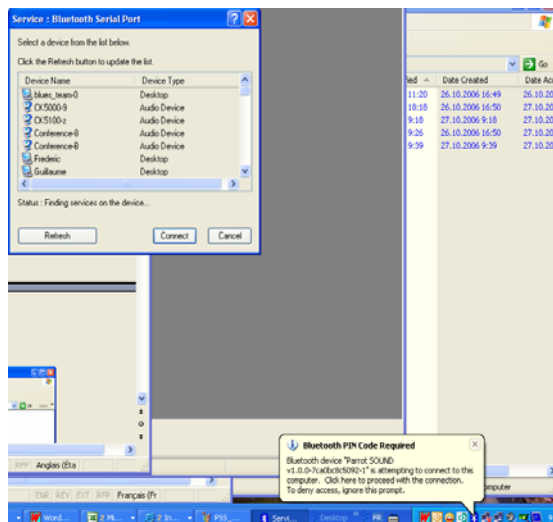
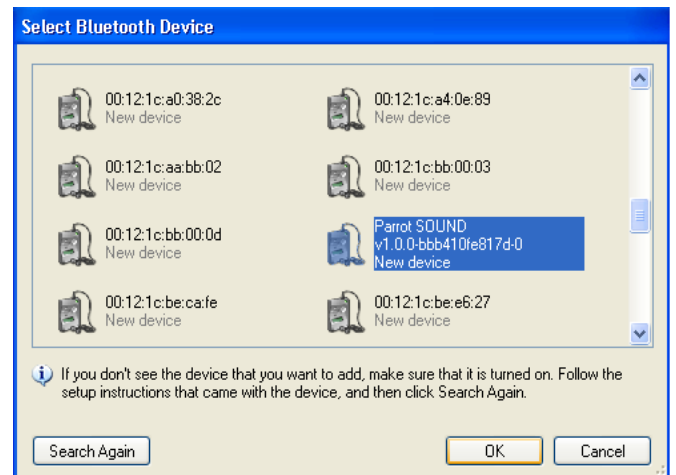
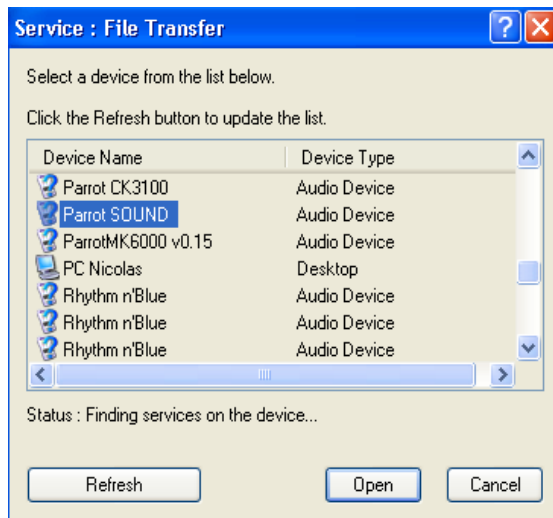
First Method: Flashing by FTP

- Please Unplug the SLAVE loudspeaker; after a few seconds, the MASTER loudspeaker's LED will blink in Blue and Red.
- Following this action, plug the Parrot Bluetooth Dongle (or another Bluetooth key) on the USB slot of your PC. It should automatically enable the Bluetooth services associated to the dongle (setting in blue the Bluetooth icon in the taskbar).
- Please right-click on the Bluetooth icon in the bottom-right corner of your screen, then
 - for the Broadcom Stack, select the command 'Quick Connect', 'File Transfer' then 'Searching for devices...',
 - for the Windows Stack, select 'Send a File',



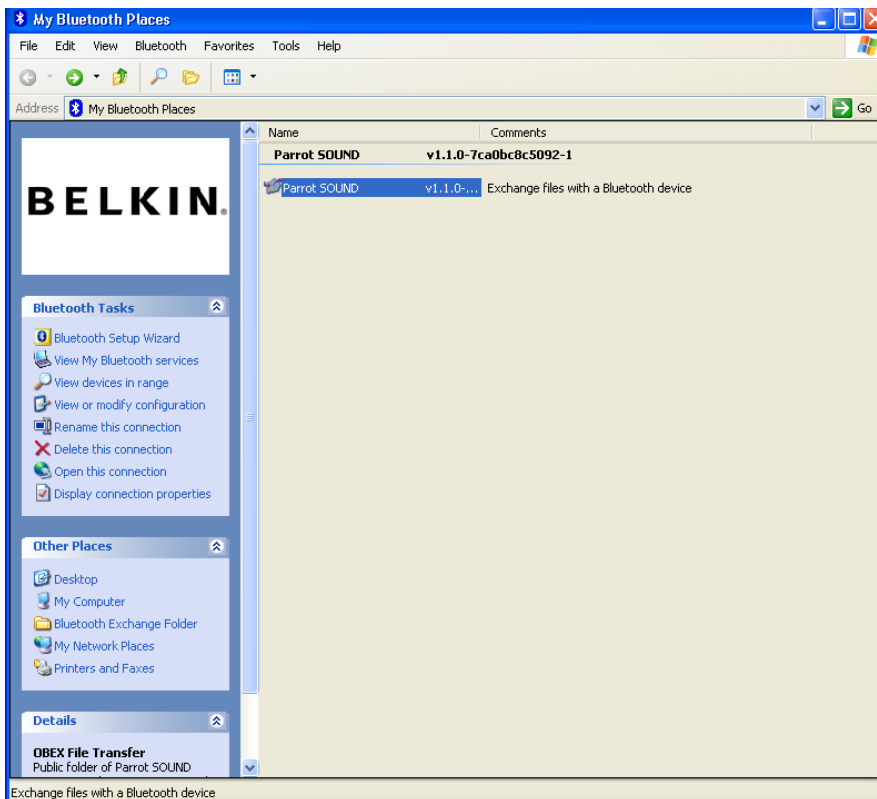
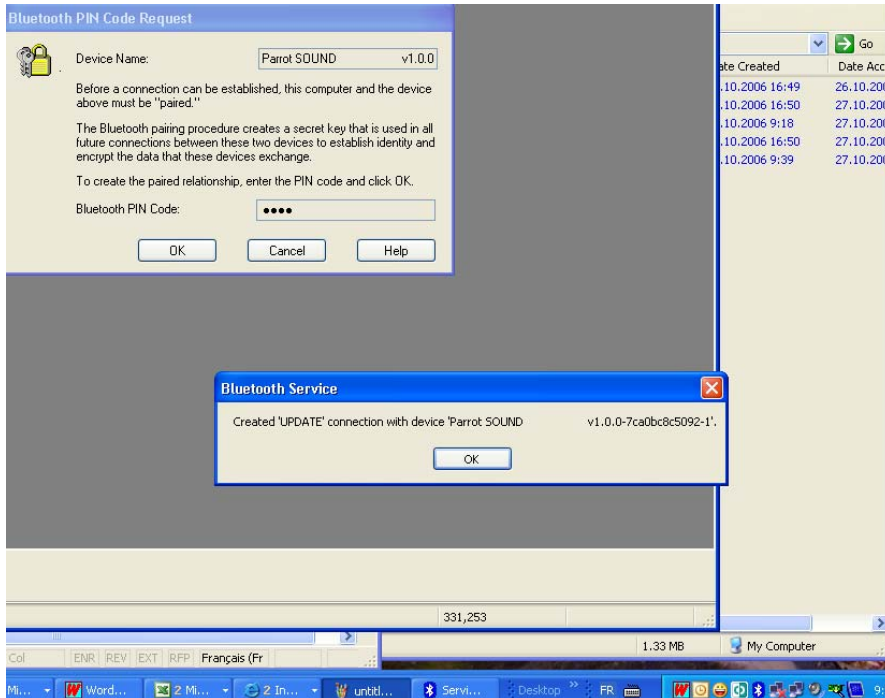


- Pending to the 'search' for Bluetooth devices, please validate the checkbox 'Display all audio peripherals' if any; you could thus detect all audio devices in the surrounding of your PC.
- Once listed the friendly name of your Parrot Sound System device, Select it, then click on "Next".
- A pop-up window will appear in the bottom-right corner of your screen. Click inside it and enter the Code PIN "0000" in the field dedicated to the Security Bluetooth Code and validate.



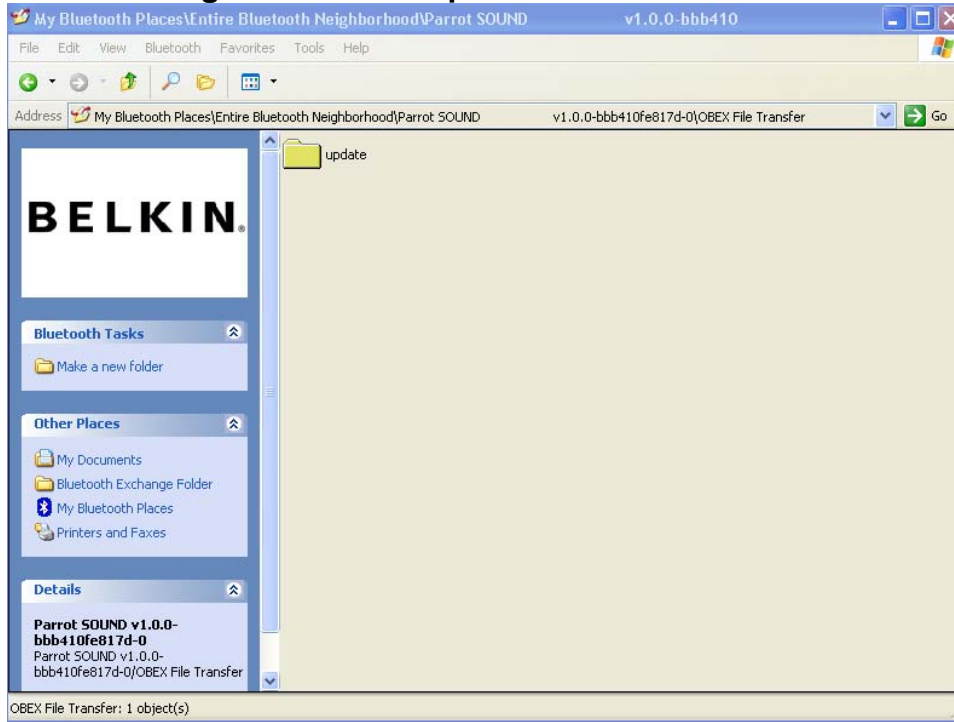


- The Wizard accompanying your FTP update process has created a FTP connection with your loudspeaker.





- A windows representing the internal memory of your loudspeaker will appear. Double-click on the folder named 'Update'. From now on, you just have to draw inside this folder the updating file that you will find when launching Parrot Flash Update Wizard software.

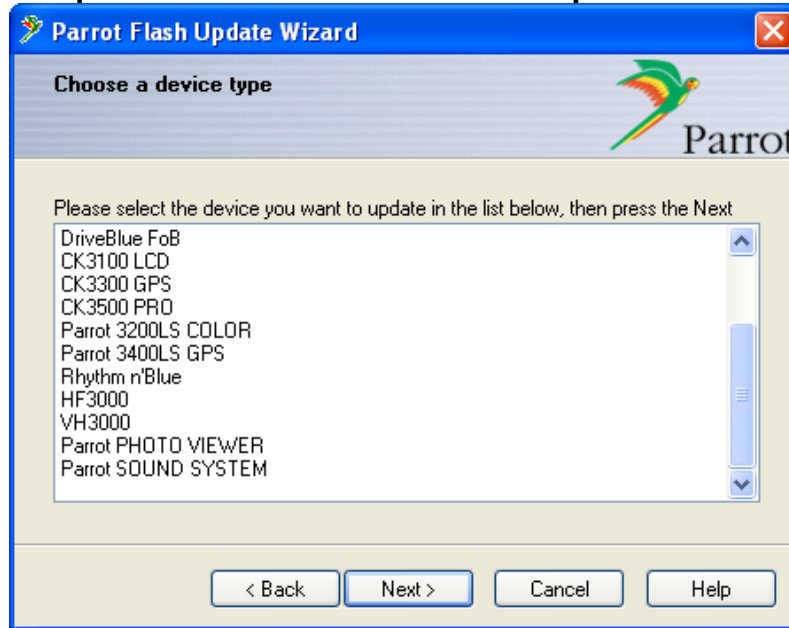


- In order to repatriate this file on your PC, launch the Parrot Flash Update Wizard software. Click on 'Next',

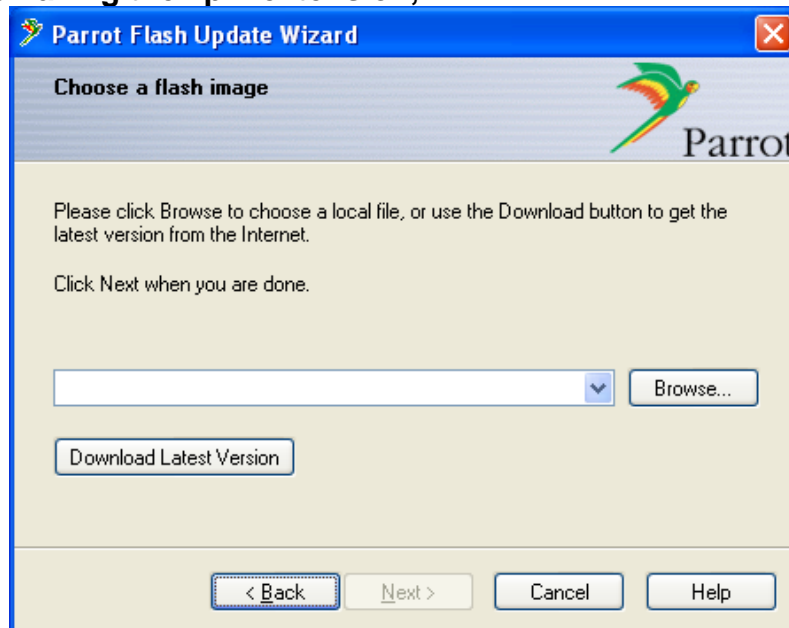




- Select the option **PARROT SOUND SYSTEM** product and click on 'Next',

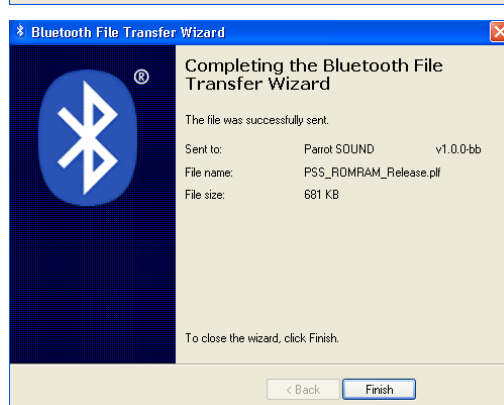
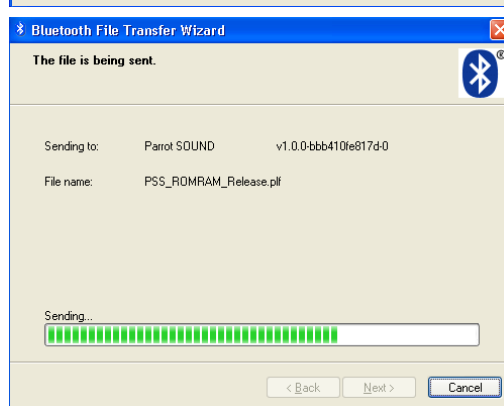
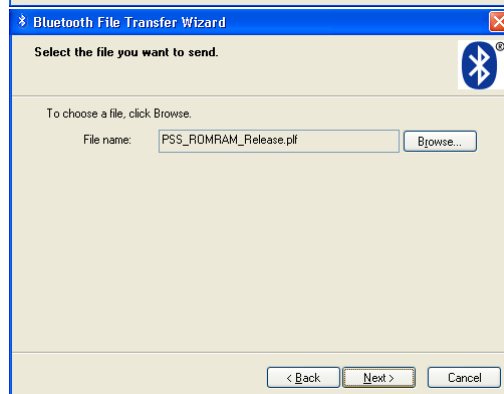
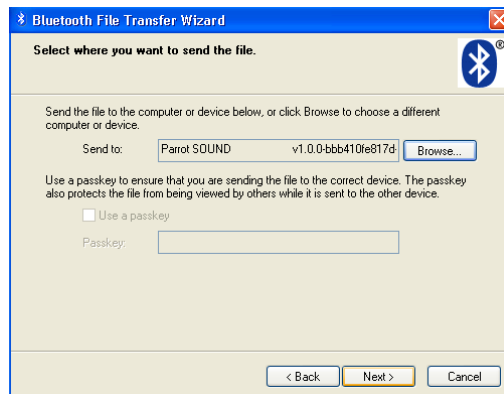
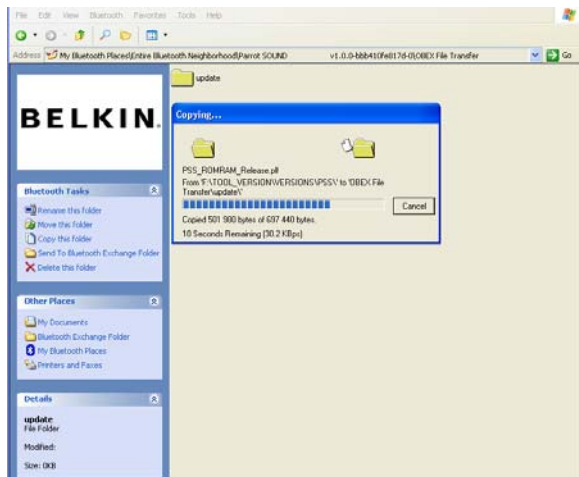


- Click on the button 'Download Latest Version' then wait for the completion of file downloading. You will have to import the binary file in repertory C:\ Program Files \ Parrot Flash Update Wizard \ Internet Files, this file having the '.plf' extension,





- Do not miss the following operation which is the most important: **Copy and Paste** the '.plf' file inside the internal memory of your loudspeaker. This triggers this invoice of this new software onto the Parrot Sound System for updating.





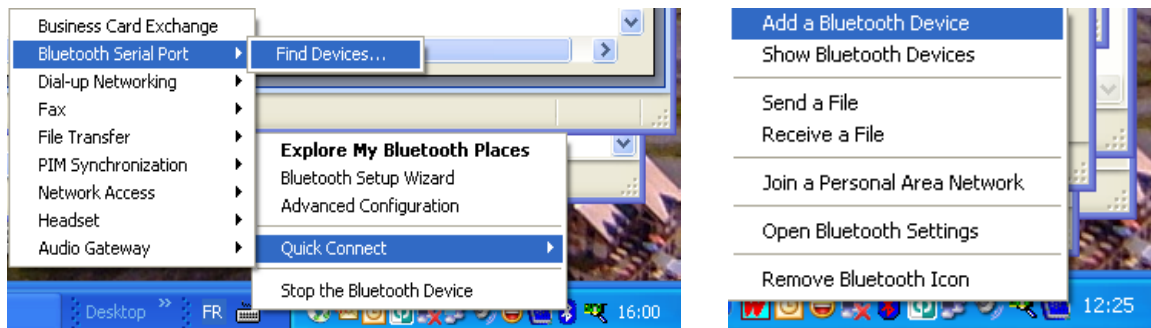
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- The loudspeaker's LED will go OFF as soon as the updating process finishes. Do NOT remove power supply for the Parrot Sound System device during the time it takes for the loudspeaker to proceed an internal update (close to one minute). The MASTER loudspeaker's LED will come back blinking in red and blue. Wait until it lights in red.
- You can then unplug the MASTER loudspeaker and switch ON the SLAVE one.
- Please do the same process for the other loudspeaker – the SLAVE one – which has to undergo the same process.

The Update Process of your Parrot Sound System will become effective only when the two loudspeakers will be updated.

Second Method: Flashing by Bluetooth Serial Connection

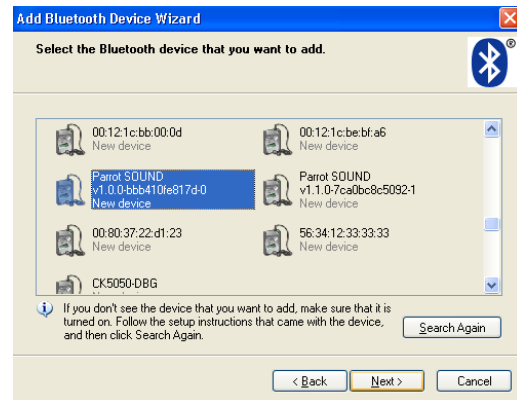
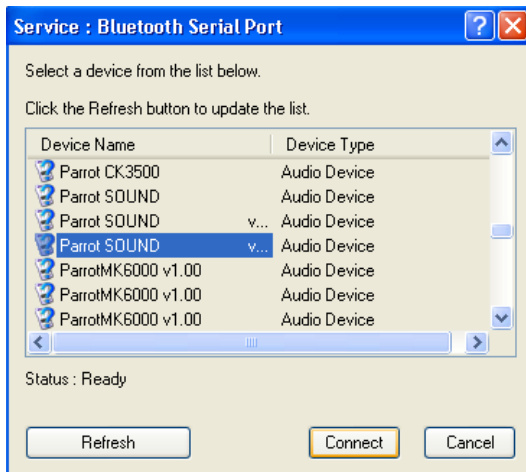
- Please go back right after the section '[Preparation](#)',
- Please Unplug the SLAVE loudspeaker; after a few seconds, the MASTER loudspeaker's LED will blink in Blue and Red,
- Following this action, plug the Parrot Bluetooth key (or another Bluetooth key) on the USB slot of your PC. It should enables automatically the Bluetooth services associated to the dongle (enabling the Bluetooth icon in the taskbar).
- Please right-click on the Bluetooth icon in the bottom-right corner of your screen. Select the command 'Quick Connect', 'Bluetooth Serial Port' then 'Find devices...'



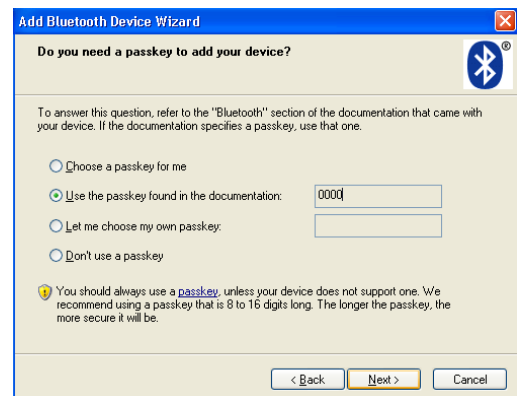
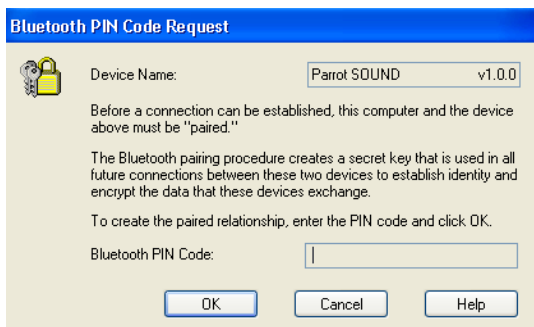
- Depending on the dongle (brand, stack) you are using, different screens could be displayed. We recall that on the left-hand side of the page the Broadcom Stack process is displayed whereas the Windows Stack appears on the right-hand side. You may encounter on the screen indications corresponding to the pending search for Bluetooth devices – what is mostly encountered in practice. Please activate the option 'Display all audio peripherals' if any: you could thus detect all audio devices in the surrounding of your PC.



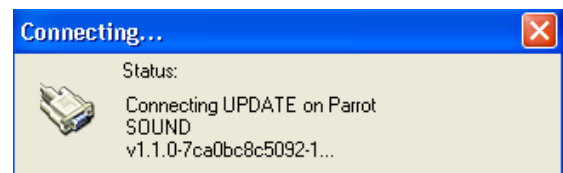
- Once checked that the friendly name of your Parrot Sound System device is listed, Select it, then click on 'Next'.



- A pop-up window will appear in the bottom-right corner of your screen. Click on it and enter the Code PIN "0000" in the field dedicated to the Security Bluetooth Code and validate.



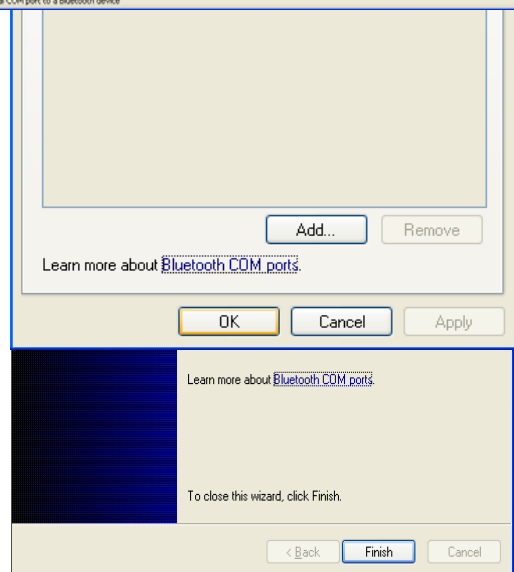
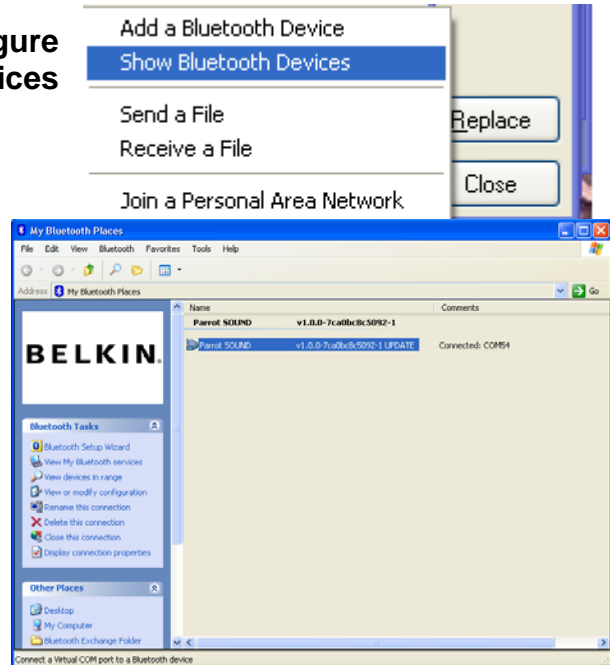
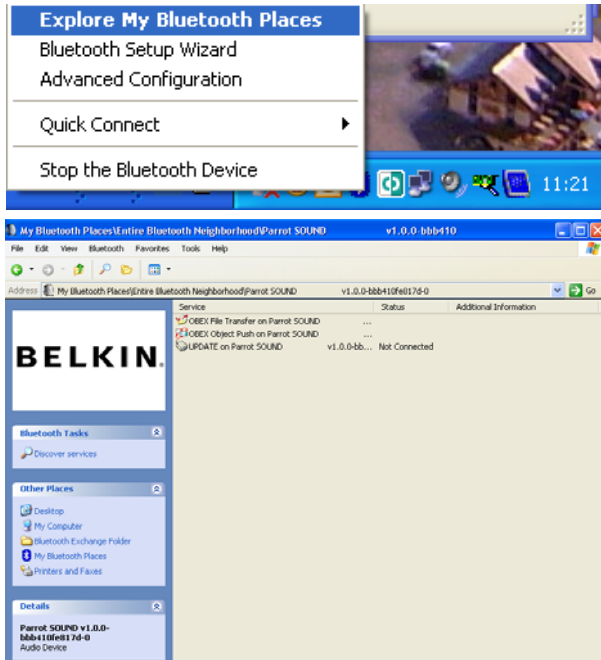
- A temporary screen indicating the pending connection will appear during the UPDATE process,





- Once created the UPDATE Bluetooth link, please check for the number associated to the 'Outgoing' COM port created exclusively for this UPDATE process. Right-click on the Bluetooth icon in the bottom right-hand corner, select 'Show Bluetooth devices', check for your PSS device, and click on the thumb index named 'COM Ports':

Otherwise you can see the figure associated to the COM port in the services proposed by your PSS devices



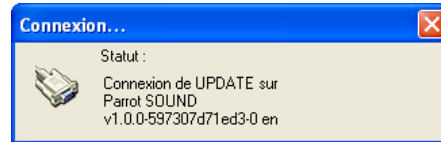
- Here we will take the example of 'Outgoing COM Port' set to COM54.
- Please make sure to have established the 'UPDATE' connection. If not, enhance this service by right-clicking in the bottom left-hand corner on



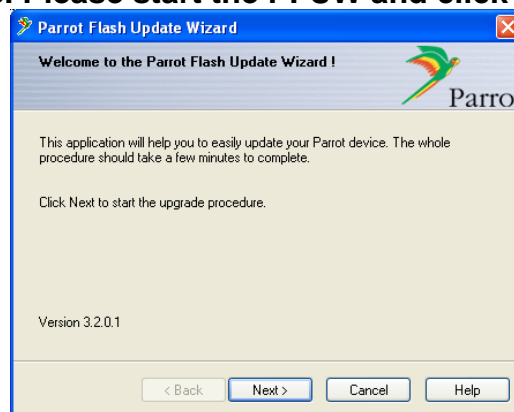
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the Bluetooth icon: 'Quick Connect' then 'Bluetooth Serial Port' and your device previously discovered.

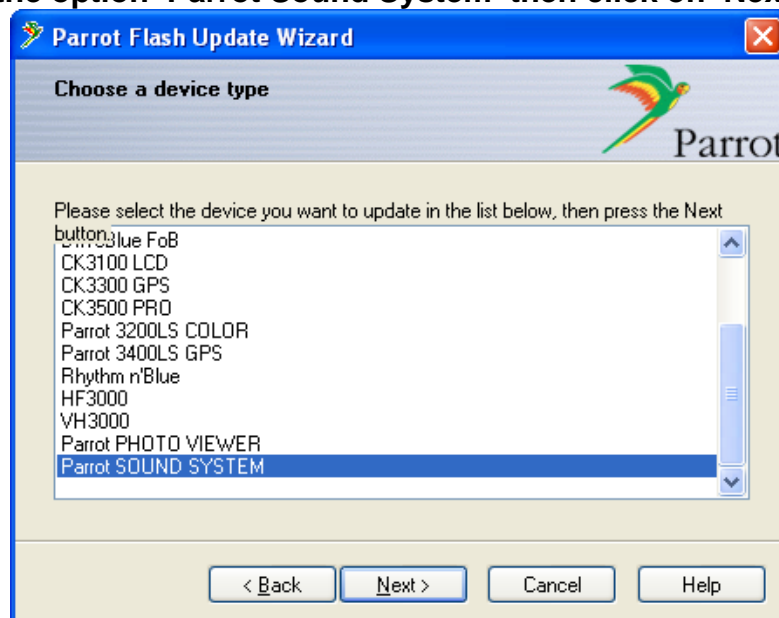
- You should have this screen displayed indicating pending connection with your loudspeaker.



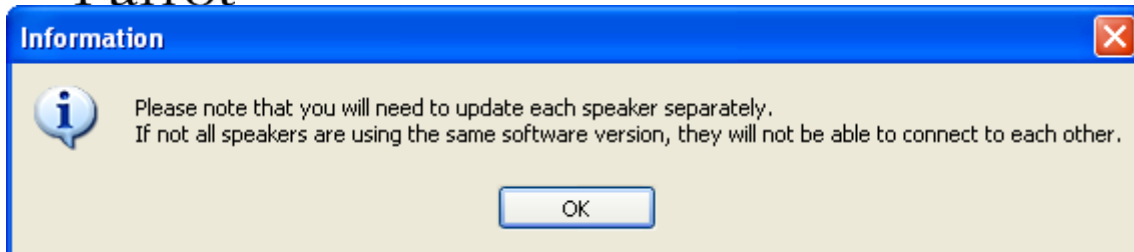
- At the stage of the procedure, it is time to launch the Parrot Flash Update Wizard software. Please start the PFUW and click on 'Next'.



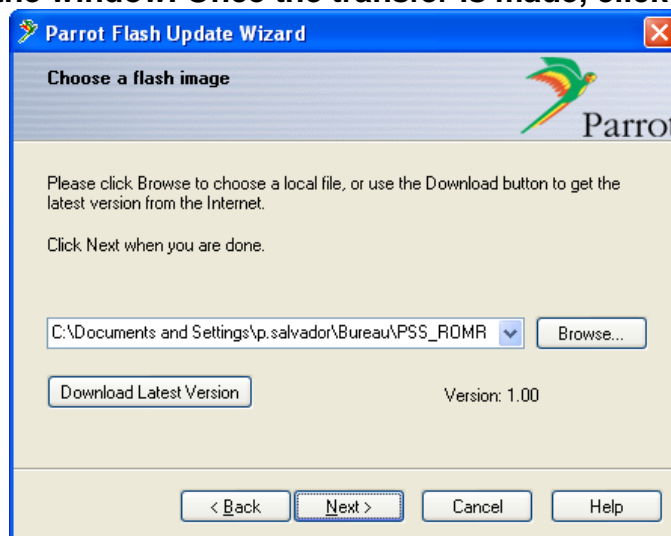
- Select the option 'Parrot Sound System' then click on 'Next'.



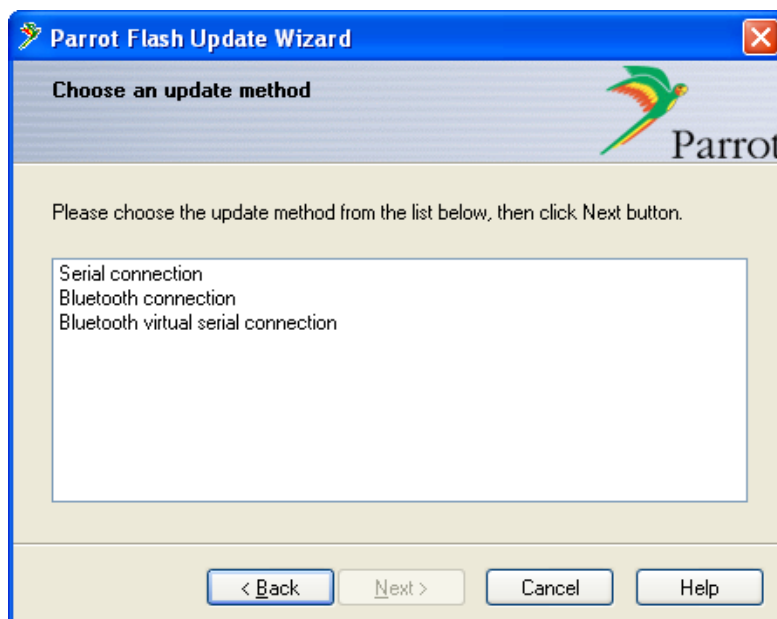
- Please check that only one loudspeaker is switched ON, and click on 'OK'



- Click on the button 'Download Latest Version': Parrot Flash Update Wizard software downloads the right file from the Parrot server on your laptop. Check the version number displayed on the bottom left-hand corner on the window. Once the transfer is made, click on 'Next'.



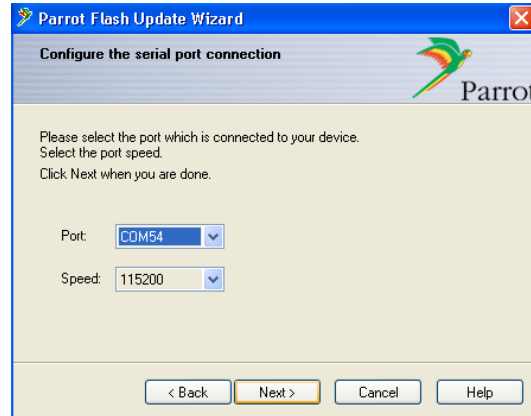
- Select the option 'Bluetooth Virtual Serial Connection', then click on 'Next'.



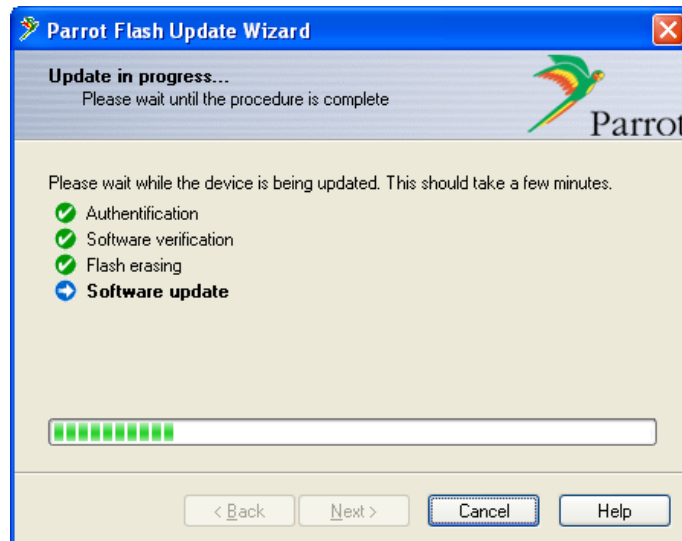


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- **Select the right number of serial port defined for your loudspeaker (it should be displayed in the list proposed of COM ports and in our example we have the 'COM54' Port). Check for the flashing speed set to 115200 bauds, then click on 'Next'.**

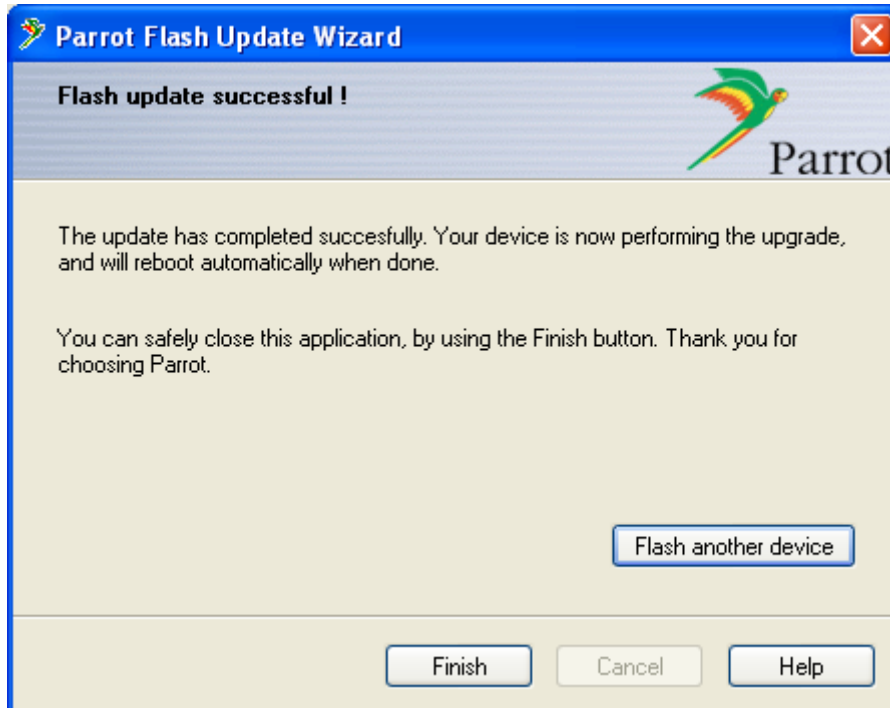


- **Flashing is in progress. Do not interrupt the process, nor remove any power supply.**





- **Flashing is terminated. Your loudspeaker have been uploaded with the new software.**



- **Your loudspeaker will reboot automatically. Do not remove any power supply during the time it seems to be switched OFF. Indeed, an internal process, including resetting and rebooting, occurs inside your loudspeaker. Wait for the LED to take constant red color.**
- **You can switch OFF the loudspeaker you just flashed anew, and proceed to the update of the second loudspeaker in the same way.**

The updating of Parrot Sound System takes effect only when the two loudspeakers are updated.