



JANUARY 2023 TECH BULLETIN 01– IAM TECHNICAL SPECIALIST TEAM.

HANDYCAN3 PORTABLE TESTER FIRMWARE UPDATE

3 months license cancellation

Garrett
ADVANCING MOTION

HandyCAN3 Portable tester firmware update.

Removal of the 3 months license security feature.

Dear HandyCAN3 users.

This technical bulletin is to inform you that we have decided to cancel the 3 months license security feature of the HandyCAN3 testing device.

In order to update the firmware of your HandyCAN3 tester you will need to download the 2 firmware files from the Garrett website link below:

Firmware link:

<https://www.garrettmotion.com/knowledge-center-category/turbo-replacement/handycan3/>

KANTrax-2022-10-25-1631.hc3 (Display Firmware)

HandyCAN3-LPC2388-2022-10-25-1631.hex (Application Firmware)

This firmware update can be carried out using the software from the CD ROM that was originally provided with the testing device which also include the 9 Way Male to 9 Way Female RS232 cable and USB to Serial Adapter included in the HandyCAN3 kit case.

HandyCAN3 software (CD ROM) :  HandyCAN3FlashUtilitySetup

Please follow the instructions on the next pages:



HandyCAN3 Portable tester firmware update.

1. From the CD ROM that came with your HandyCAN3, run the “Flash Utility” and save it onto your PC desktop (or other convenient file location)



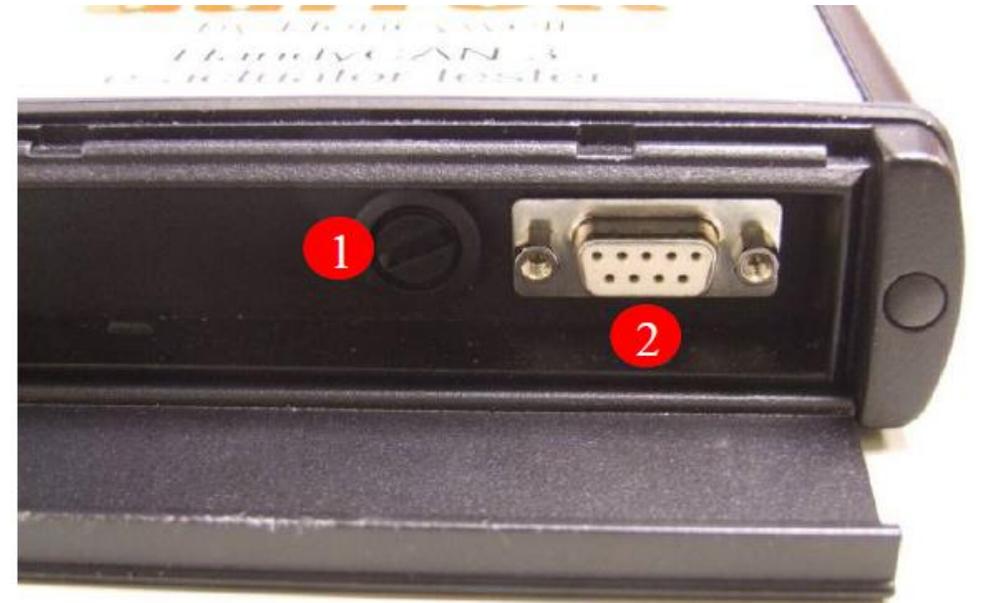
 HandyCAN3FlashUtilitySetup

2. Ensure that the latest version of the HandyCAN3 software is saved onto your desktop (or other convenient file location)



3. Open the bottom panel cover of the HandyCAN3
4. The bottom panel has 1 connector socket and 1 fuse holder

- 1 Main fuse
- 2 Serial port for communication with PC



HandyCAN3 Portable tester firmware update.

5. Connect the Serial Lead to Serial Port on bottom panel of HandyCAN3
6. Switch ON the HandyCAN3
7. Connect the lead to your PC:

Please note that:

1. If your PC has a Serial Port, use the Serial Lead **3**
2. If your PC has a USB Port use the Serial/USB converter lead. **4** The blue sides of the converter will flash to confirm that it is connected



HandyCAN3 Portable tester firmware update.

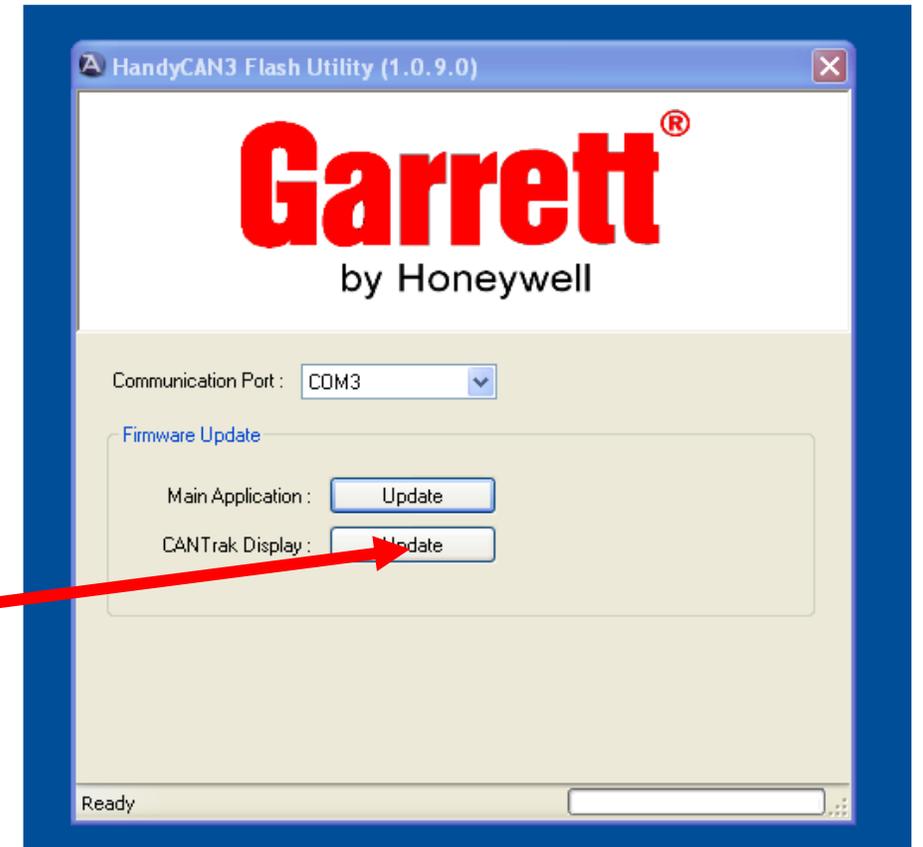
8. With all connections made, double mouse click on the Flash Utility to run the program  HandyCAN3FlashUtilitySetup . You should then see the screen shown below

9. The screen show “Main Application” update or a “CANTrak Display” update > **select CANTrack display update.**

10. Single mouse click on the correct “Update” button

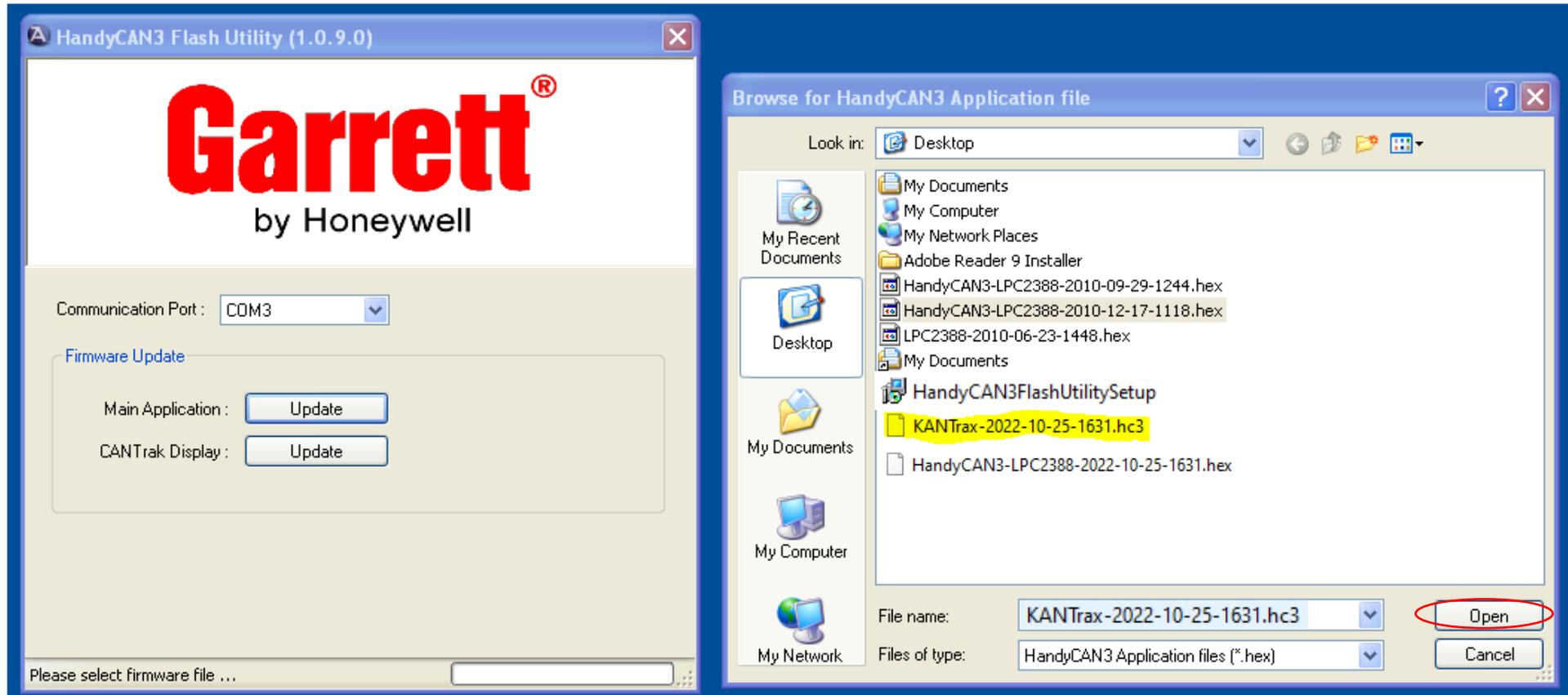
NOTE: The display firmware MUST be updated first!

(Display Firmware file)  KANTrax-2022-10-25-1631.hc3



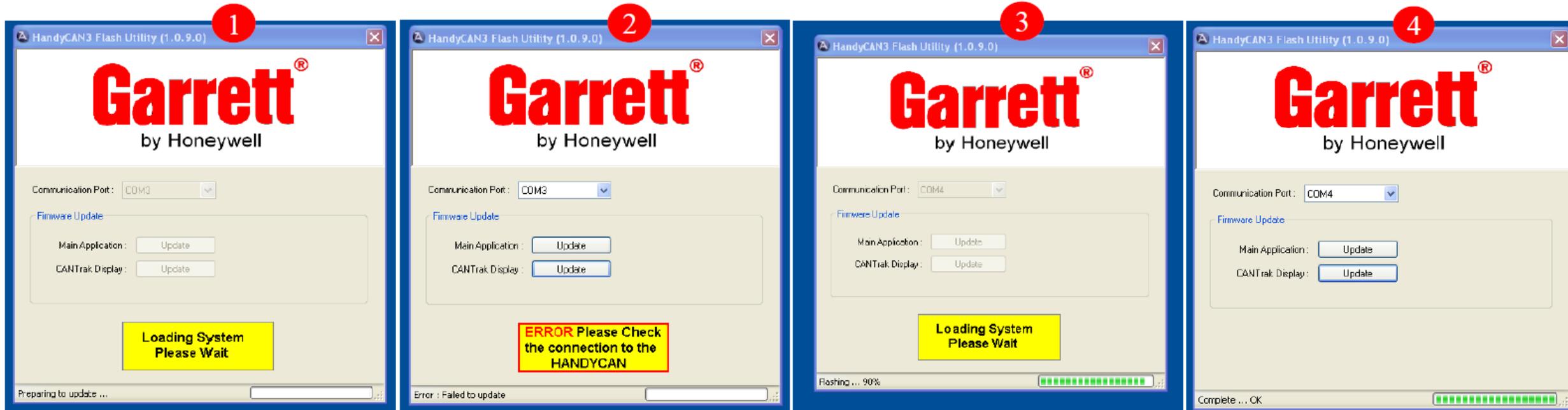
HandyCAN3 Portable tester firmware update.

11. A Browse screen should now appear to allow you to browse your files to find and select the correct Firmware update file
12. for this first update step the **yellow** highlighted file will be used (Display Firmware file)  KANTrax-2022-10-25-1631.hc3
13. Select the file by a single mouse click and then click "Open"



HandyCAN3 Portable tester firmware update.

14. Screen 1 shows that the update is starting
15. If screen 2 appears, this shows an error in communication. If this happens, firstly change to another Communication Port (in this example "COM4") and click "Update" again.
16. Screen 3 confirms that the HandyCAN3 system is being loaded and at the bottom of the screen tracks progress. The update should take less than 1 minute.
17. Screen 4 shows confirmation of the update in the bottom left corner "Complete...OK"



HandyCAN3 Portable tester firmware update.

18. Finally, confirm that the Firmware has loaded correctly:
19. From the “Welcome” screen press the button below “?”, then press the button below “→”
20. The bottom line confirms the latest Firmware version is loaded .
21. Once the display firmware update is completed disconnect the Serial Lead/USB connection from your PC or HandyCAN 3 & switch OFF the test device.



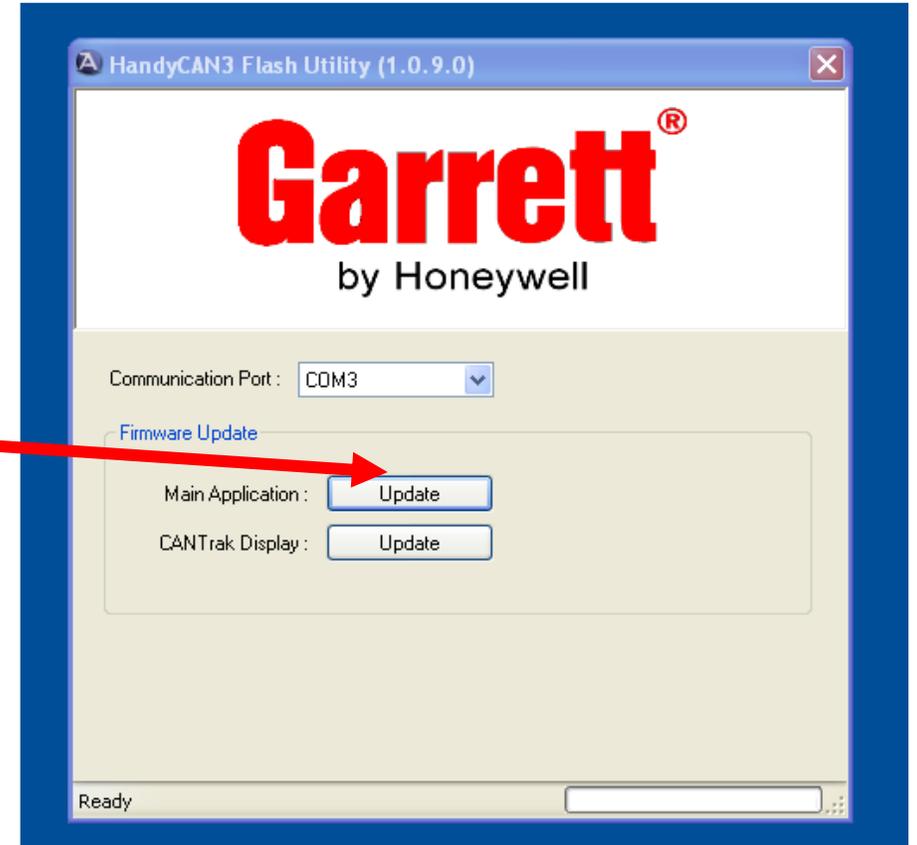
Next device update to be done is the “Application firmware”

HandyCAN3 Portable tester firmware update.

Application Firmware update.

1. Connect the Serial Lead to Serial Port on bottom panel of HandyCAN3  HandyCAN3FlashUtilitySetup
2. Switch on the HandyCAN3
3. Connect the lead to your PC:
4. The screen show “Main Application” update or a “CANTrak Display” update > **select Main application update.**
5. Single mouse click on the correct “Update” button

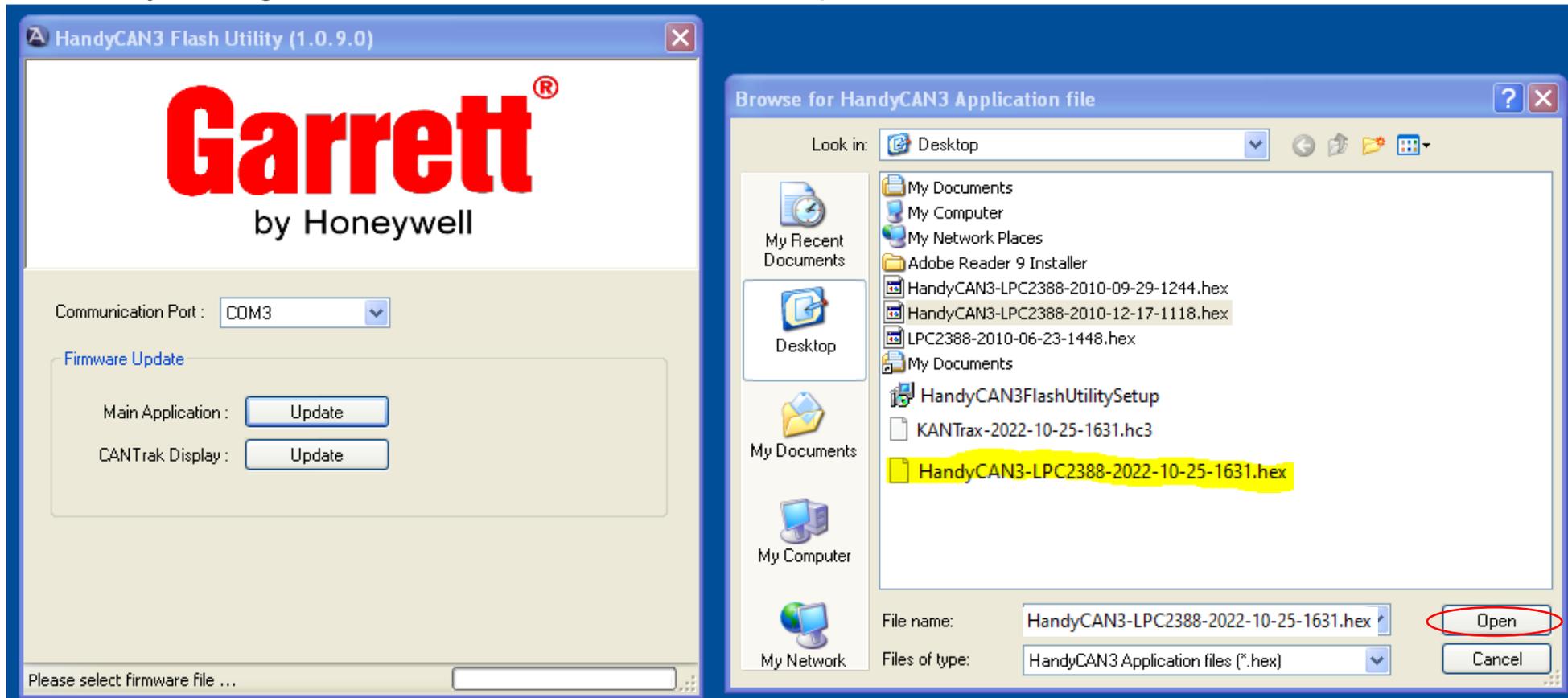
(Application Firmware file)  HandyCAN3-LPC2388-2022-10-25-1631.hex



HandyCAN3 Portable tester firmware update.

Application Firmware update.

6. A Browse screen should now appear to allow you to browse your files to find and select the correct Firmware update file
7. For this second step update the **yellow** highlighted file will be used (Application Firmware file) `HandyCAN3-LPC2388-2022-10-25-1631.hex`
8. Select the file by a single mouse click and then click “Open”

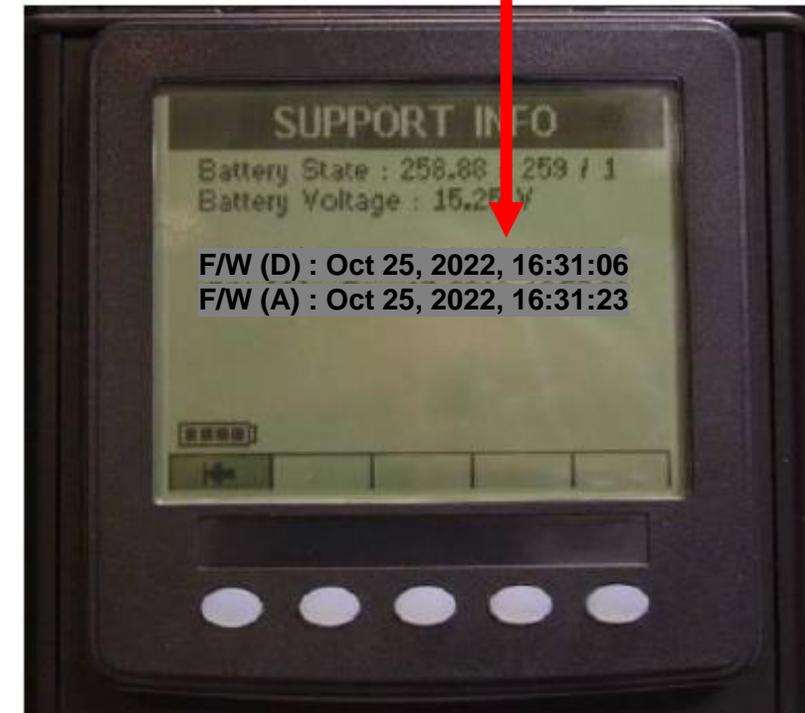


Follow the same steps as the “display firmware update”

HandyCAN3 Portable tester firmware update.

Application Firmware update.

18. Finally, confirm that the Firmware has loaded correctly:
19. From the “Welcome” screen press the button below “?”, then press the button below “→”
20. The bottom line confirms the latest Firmware version is loaded .
21. When complete, the **SUPPORT INFO** screen (shown on last picture) should display: F/W (D) : Oct 25, 2022, 16:31:06
F/W (A) : Oct 25, 2022, 16:31:23
21. Disconnect the Serial Lead/USB connection from your PC and HandyCAN3
22. Your update has been successful, and you can continue to use the HandyCAN3 as normal.



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