**Firmware update manual for Partizan network access controller**

Follow next steps to update firmware of a controller:

1. Connect the controller to computer network Ethernet.
2. Check the equipment with IP address, identical to the the IP address of a controller, is present in the same network with controller. IP address of a controller printed at the sticker in a right bottom corner of it’s upper panel. Change the IP adress of founded equipment or remove it from the network.

3. Open Microsoft Internet Explorer browser on a computer, connected to the network.
4. Enter IP address of a controller in the address bar

5. Press «Enter».

![](image1.png)

![](image2.png)

![](image3.png)
7. Now will appear a controller interface window:

8. You can check operability of a controller with pressing «Open». A relay in the controller will react and you can hear a specific click.

9. After you check a controller, add «reboot.htm» in the address bar right after IP adress of a controller. After, it is strictly forbidden to press «Enter»
10. Start DOS window. Open window «Run» with «Win+R» keys, enter «cmd» command and press «OK».

11. Here will appear a DOS session window with a command prompt.

12. Prepare and type, but don’t execute (don’t press «Enter») an update command. It’s format: `tftp space Controller IP adress space put space full path to firmare update file`
   For example: `tftp 192.168.0.158 put C:\Users\Tech\Desktop\1door2way203Russianbox.hex`

   **Attention!!!** To update controller firmware you should use only a firmware, dedicated for the given model of a controller. The update with any other firmware will strongly damage the device and make it not repairable.

13. Open section «Programs» in «Control panel» of an operating system:
14. Choose "Uninstall a program" item.

15. Choose section "Turn Windows features on or off"

16. Find "TFTP Client" in an opened window

Choose checkbox and press «OK». If the all steps were doing right, the window will close.
17. After setting up the TFTP client, follow to the browser window, where the string http://Controller IP adress/reboot.htm. is written. Press «Enter».
Please note, each controller has it’s own IP address, the one, given on a picture below, is just an example.

![Controller IP address](image1.jpg)

18. Here will appear a window with "Restart System" button.
Note! Please read the paragraph №19 of this manual attentively before you press "Restart System".

![Restart System button](image2.jpg)

19. Attention!!! The following action must be done during but not later that 3 seconds after you pressed «Restart System». It is strongly recommended to rehearse and think beforehand all your operations.
Actions: Switch to the DOS session window with the prepared updating command string and press «Enter».

![DOS session window](image3.jpg)
20. If the previous steps were done correctly, in the DOS session window will appear the string: «Transfer successfull: xxxx bytes in xx second(s). xxxx bytes/s…. (the numbers can vary, the first two words shows the results of update)

![DOS session window showing transfer successfull message]

21. Close DOS session window, update the page in a browser

![Browser window showing the updated page]

22. Press «Console», will appear a standard management window in the new language:

![Standard management window]

23. Accomplish verification of controller’s operability following the chapter №8 of this manual.

   Access controller firmware update completed!