

Technical Quick Guides

How to firmware upgrade the panel

Some features (such as support for new modules) are only available on newer firmware versions of these panels. This guide will outline how to upgrade your 6000 panel to the latest version to make sure all features & security updates are available.

Note that updating from a very early panel firmware may default the panel, so it's recommended to save a backup of settings first.

You will need:

- A Bosch Solution 6000 panel
- A Bosch Direct Link Programmer
 - CM910B (newer version)
 - CM910 (older version)
- The latest panel firmware
 - <https://boschsecurityaustralia.freshdesk.com/support/solutions/folders/35000222351>
- You may also need to download a driver if your computer doesn't read the DLA
 - <https://alarmsoftware.sharepoint.com/sites/ProductDownloads/Shared%20Documents/Forms/AllItems.aspx?id=%2Fsites%2FProductDownloads%2FShared%20Documents%2FDrivers%20%26%20Utilities&p=true&ga=1>
 - Subfolder "Direct Link Module Driver (Flash) (CM910)"

1. Check the current panel firmware

Compare the current firmware on the panel with the latest version available to download from Bosch.

Enter the Installer code (default is 1234) then MENU to enter the installer menu.

Press 7 (*System*), 0 (*Commands*) then 0 (*Panel Status*).

The panel's firmware version will now display on screen.

2. Download the necessary files

Download the panel's latest firmware from the link above.

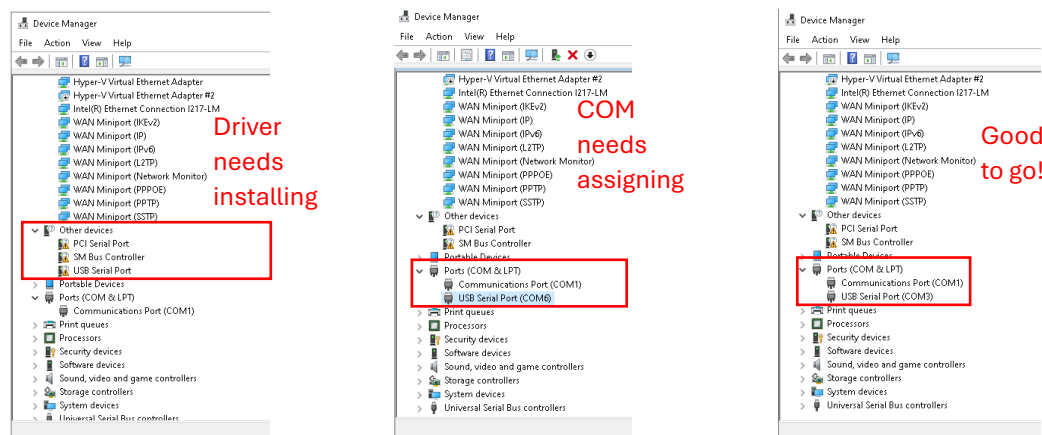
You may also wish to download the DLA port driver (link above) as you will need this if your computer doesn't have the correct driver installed natively.

3. Connect the DLA to your computer

Connect the supplied USB cable to both the Direct Link Programmer and your computer.

Checking that your computer reads the device

- Open the Device Manager on your computer (search “Device Manager” in searchbar).
- Look at the “Ports (COM & LPT)” section.
- If the port called “USB Serial Port” is in the ports section, you can skip the “Installing the Driver” step. Complete the step if the port shows up under a different section on Device Manager or has a yellow warning symbol.
- If this port is in the first 4 COMs (COM1, COM2, COM3 or COM4) then you can skip the “Assigning the COM port” step. Complete the step if the COM port is a value greater than 4 (eg COM6).



Installing the Driver

Head to the driver download page linked above.

Extract the downloaded ZIP into a folder.

Now back in the Device Manager page, right click the “USB Serial Port” (likely has yellow warning symbol) and select “Update Driver” then “Browse my computer for drivers”.

Browse your computer and select the *entire folder* that you extracted your driver to. Hit “Ok”/”Next” until the driver installation is complete.

In the Device Manager, the driver should have moved to the “Ports (COM & LPT)” section, renamed itself to “USB Serial Port” and dropped the warning status.

Assigning the COM port

The drivers COM port must be between 1 and 4.

Right click the driver (USB Serial Port) and hit “Properties”.

Move to the “Port Settings” tab and click “Advanced”.

Change the “COM Port Number” to a value between COM1 and COM4 which is not in use. If all 4 are already in use then you’ll need to reassign one of them first.

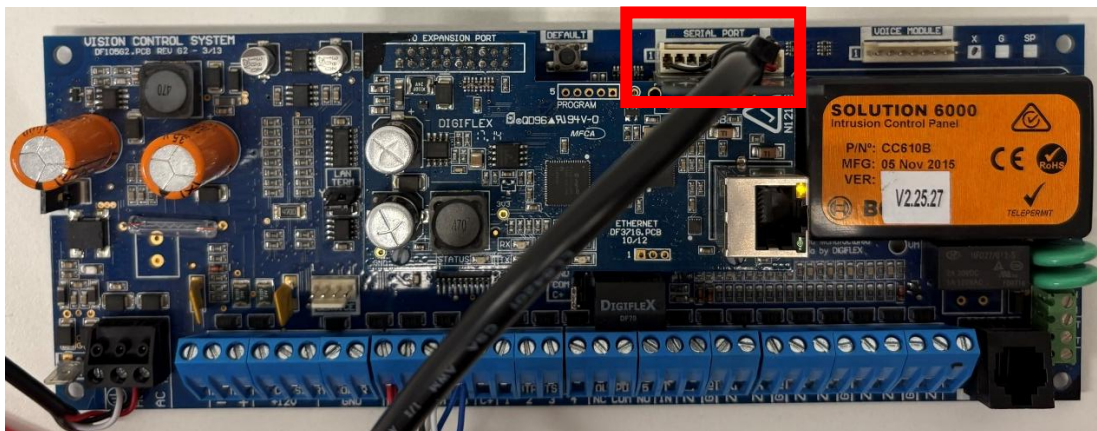
Hit “OK” until the Properties window closes. The COM port should now be changed.

4. Flash new firmware to the panel

Disconnect the MAINS AC power supply and backup battery to power down the panel.

Ensure the switch on the Programmer is set to “Flash Prog”, not “Direct Link.”

Connect the Direct Link Programmer to the 10 pin Serial port on the panel.



Power the panel back on. Note that the keypads are likely to raise errors while the flash programmer is attached – this is ok!

Now back on the computer, double click/run the firmware update .exe file.

Accept the terms & conditions.

Select the port that your Programmer is attached to (e.g. Port 3) then hit OK.

You will need to hit “confirm” etc a few more times to confirm the update.

The update will now begin. The update will take between 30 seconds and 10 minutes so be patient! A progress bar will show on your computer screen.

Once the update is done, the computer will say “Program OK.”

You can now power down the panel again, remove the Flash Programmer, and power the panel back on.

Check the current firmware in the panel again, and it should now be updated. Do a test walkthrough of your setup to make sure that no configurations were wiped during the update (upgrading from a very old version may default the panel!).