

TECH SUPPORT GUIDE

Challenger V8

Migration to ChallengerPlus and Network Access Controller

Challenger V8

Summary

This section describes how to upgrade Challenger v8 Panel to Challenger10 and ChallengerPlus, including how to upgrade any 4 door controllers to Network Access Controllers.

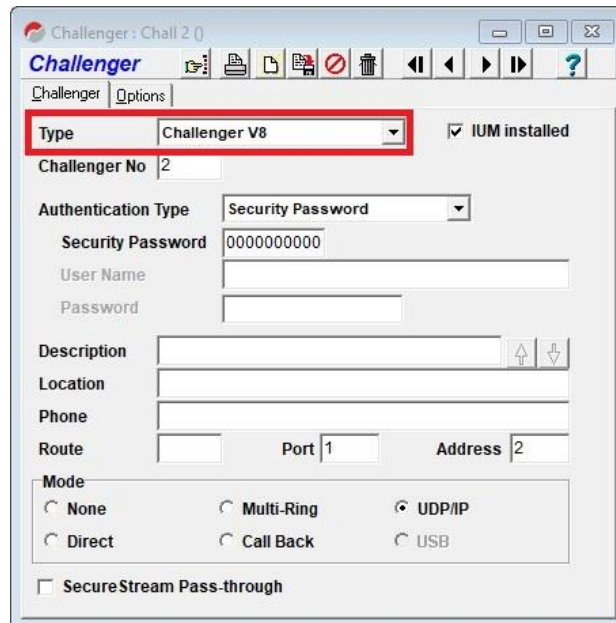
Pre-Requisites

1. Firmware version on 4DC chip (must be R-110613 or later)
2. Titan version 3.5.1
3. CTPlus 2.6 or later
4. NAC (TS1066)

Steps for upgrading ChallengerV8 panel to Challenger10 and ChallengerPlus

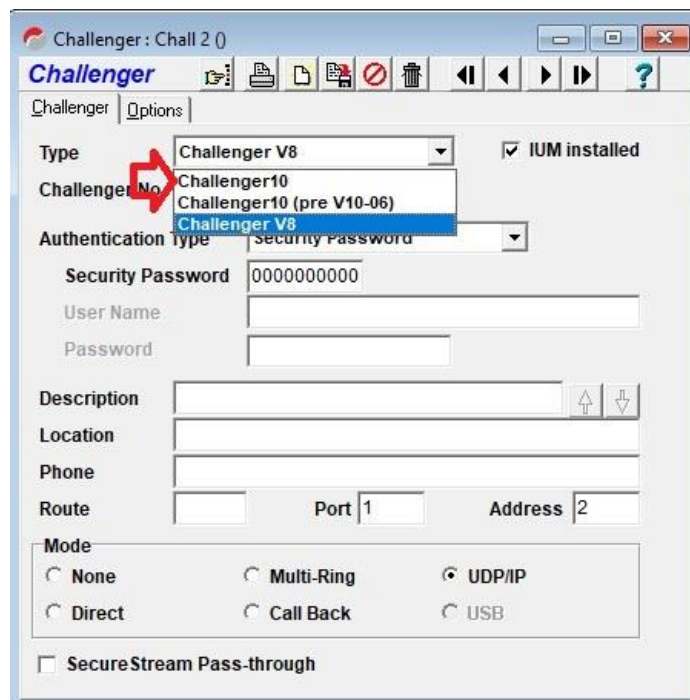
1. Convert the Challenger record in Titan

Select Admin > Challenger, and then go to the record for the Challenger V8 panel to be migrated. The Type field will have Challenger V8 selected.



The screenshot shows the configuration form for a Challenger V8 panel. The 'Type' field is highlighted with a red box and contains 'Challenger V8'. Other fields include 'Challenger No' (2), 'Authentication Type' (Security Password), 'Security Password' (0000000000), 'User Name', 'Password', 'Description', 'Location', 'Phone', 'Route', 'Port 1', 'Address 2', and 'Mode' (UDP/IP selected). A 'SecureStream Pass-through' checkbox is at the bottom.

Click the drop-down arrow on Challenger Type, change the type of the panel from “Challenger v8” to “Challenger10” and then click Save. Click Yes when asked if you want to continue.



The screenshot shows the same configuration form as above, but with the 'Type' dropdown menu open. The menu options are 'Challenger V8', 'Challenger10', and 'Challenger10 (pre V10-06)'. A red arrow points to the 'Challenger10' option. The 'Challenger No' field is now 'Challenger10'.

2. Changing Hardware

Power down the Challenger V8 panel, remove all cabling, and replace the PCB with a Challenger10 PCB. Reconnect cabling (most cabling reconnects in the same location as on the V8 PCB). Repower the Challenger panel. Connect the Challenger10 panel to Titan and make it the active system.

Note: When the first converted panel is online, Titan displays the message "Titan has detected that one or more Challenger10 panels has not been synchronized after migration. It is strongly recommended that the panels are synchronized to ensure that the programming in Titan matches the programming in the panel. Do you wish to proceed with panel synchronization?" Select Yes to synchronize. Titan first uploads the comms of the converted panel and then downloads the configuration (except users) from Titan to the panel.

Depending on how the Challenger10 panel is connected to Titan, at least one of the ten communications paths is already programmed. Paths 1, 2, and 3 are preconfigured for CID Dialer, USB Installer, and Management Software (path 3 is enabled). Configure these and other communications paths as needed.

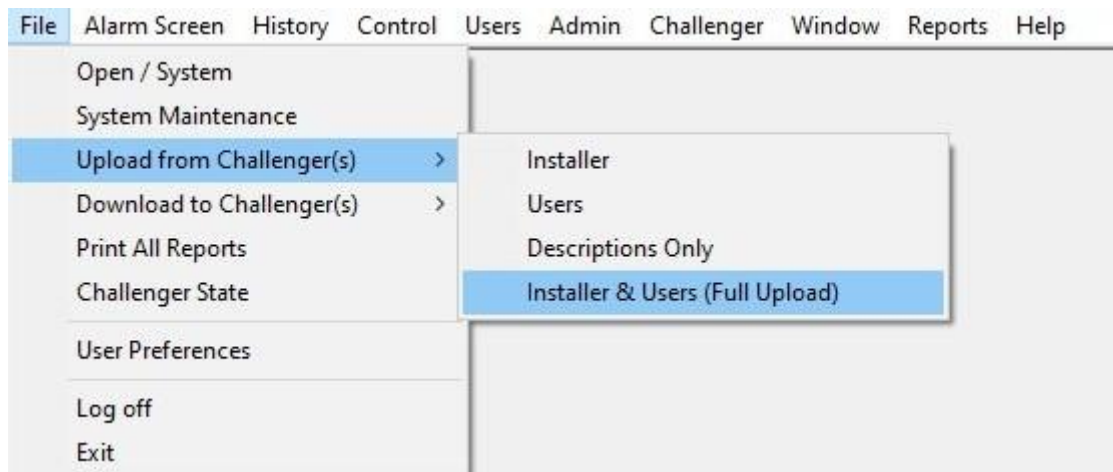
Click Here to view Challenger10 connection document via UDP/IP or Click on the link below-

<https://support.firesecurityproducts.com.au/hc/en-us/articles/209703973-Challenger-10-TCP-IP-UDP-IP-connection-setup>

Click Here to view details of migrating card users from v8 to Challenger10 or Click on the link below-

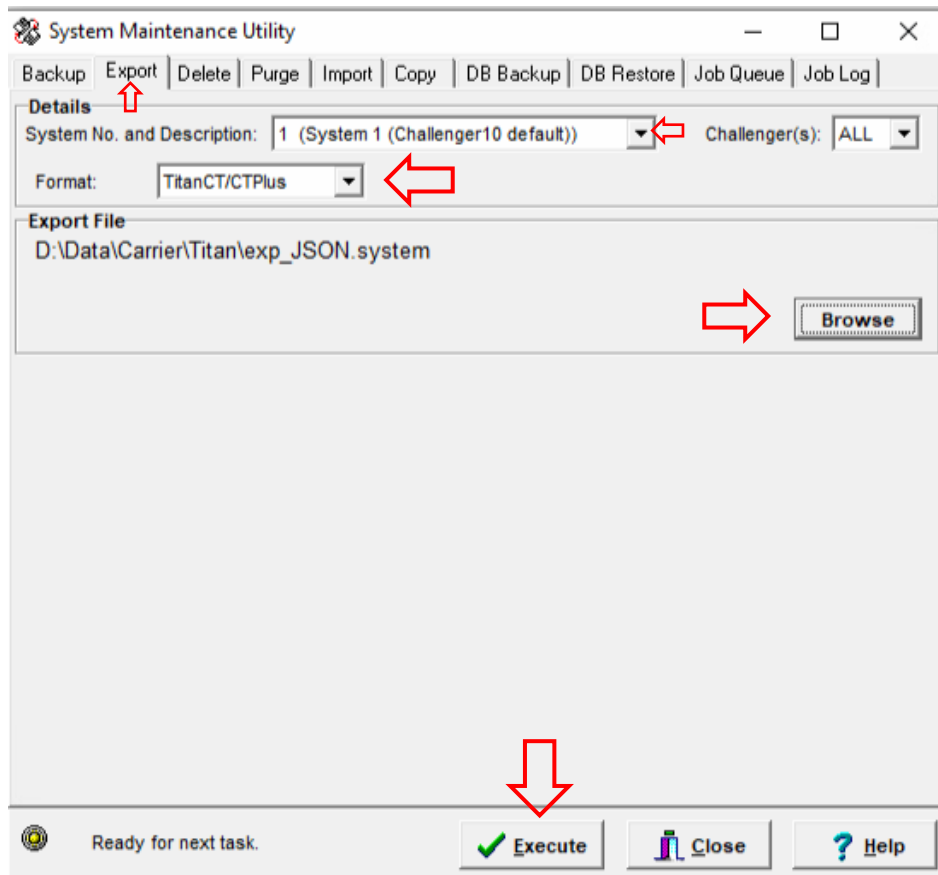
<https://support.firesecurityproducts.com.au/hc/en-us/articles/209704483-Migrating-Card-Users-from-V8-to-Challenger-10>

Do a Full Upload from Challenger to Titan.



3. Exporting Titan System

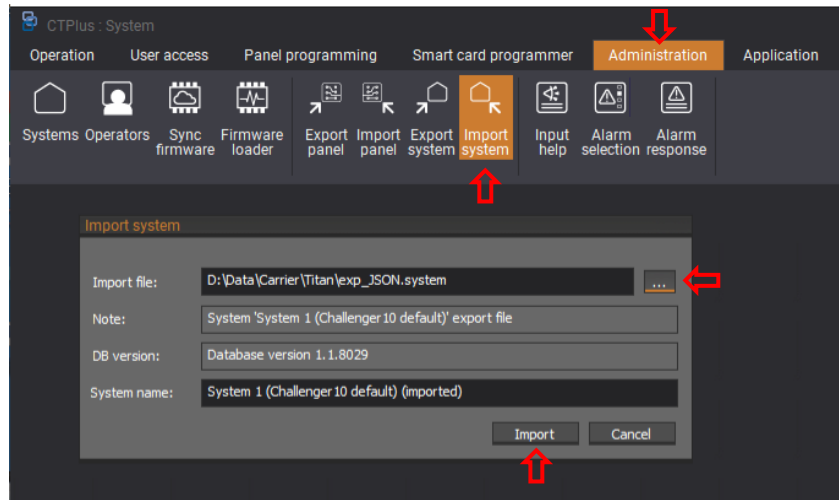
Export the system in CTPlus Format, to do so, click on File> System Maintenance, in the “System Maintenance Utility”, choose the “Export” tab. Select your system to export, and for the Format, choose “TitanCT/CTPlus”. In the “Export File” section, use the “Browse” button to select where to save the file, and then press the “Execute” button down the bottom to run this task.



Once the export task has completed, you can close this window, and exit Titan, disconnecting from the system, so that we will now be able to connect to it from CTPlus.

4. Importing the system in CTPlus

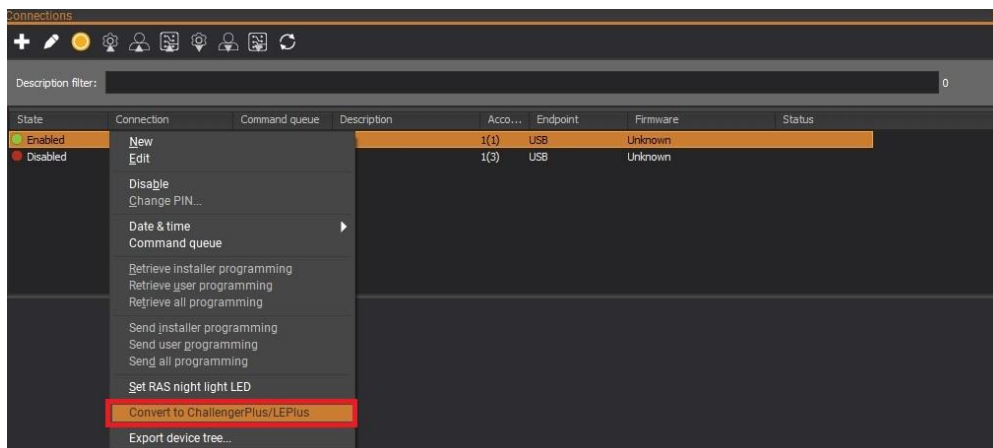
Now run CTPlus (version 2.6 or later), and then go to “Administration > Import System” and point this to the location of the file that you just exported from CTPlus. Then press “Import” to begin the import.



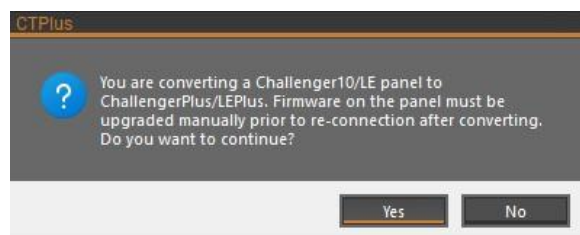
Once the import is completed, your Challenger10 system has now successfully imported into CTPlus.

5. Upgrading Challenger10 Panel to ChallengerPlus

If you have purchased a brand new ChallengerPlus panel to replace your Challenger V8 (or if you are using an existing Challenger10 that has already been upgraded to ChallengerPlus firmware), then you can convert the imported panel to a ChallengerPlus Panel type by selecting Operation > Connections, selecting the panel that you just imported, then right click and select “Convert to ChallengerPlus/LEPlus”.

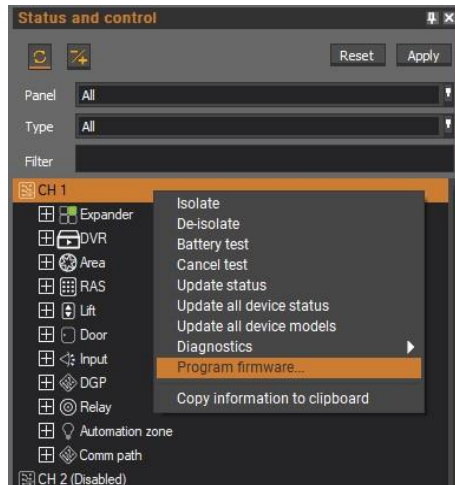


You will be prompted with the below message, Press Yes to continue



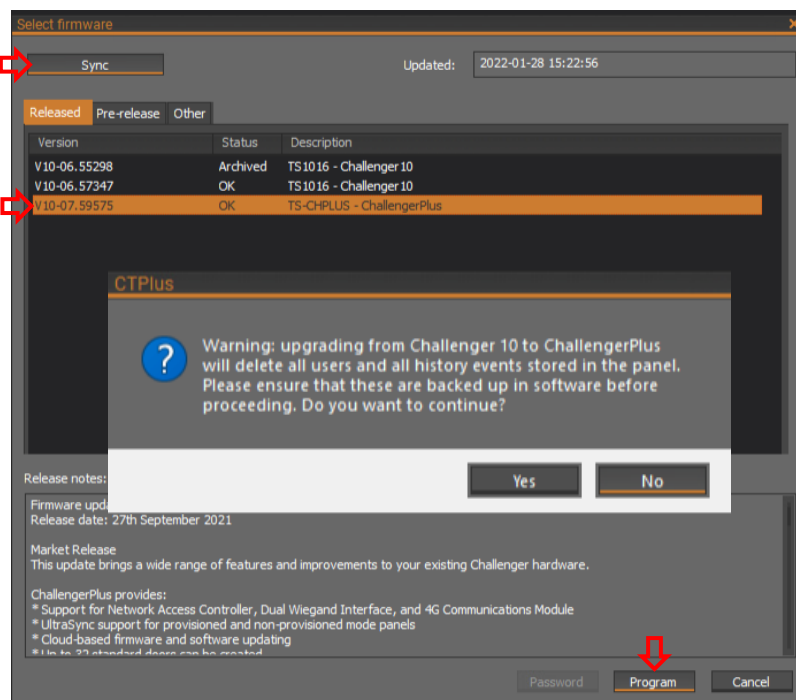
If you are using an existing Challenger10 panel which is still running Challenger10 firmware, the steps below will take you through upgrading both your panel and the record in CTPlus at the same time.

To upgrade your Challenger10 panel to a ChallengerPlus panel, in CTPlus go to the “Operation > Status and Control” window (if you don’t already have it open), then right click on your Challenger10 in the tree view and choose “Program firmware”.

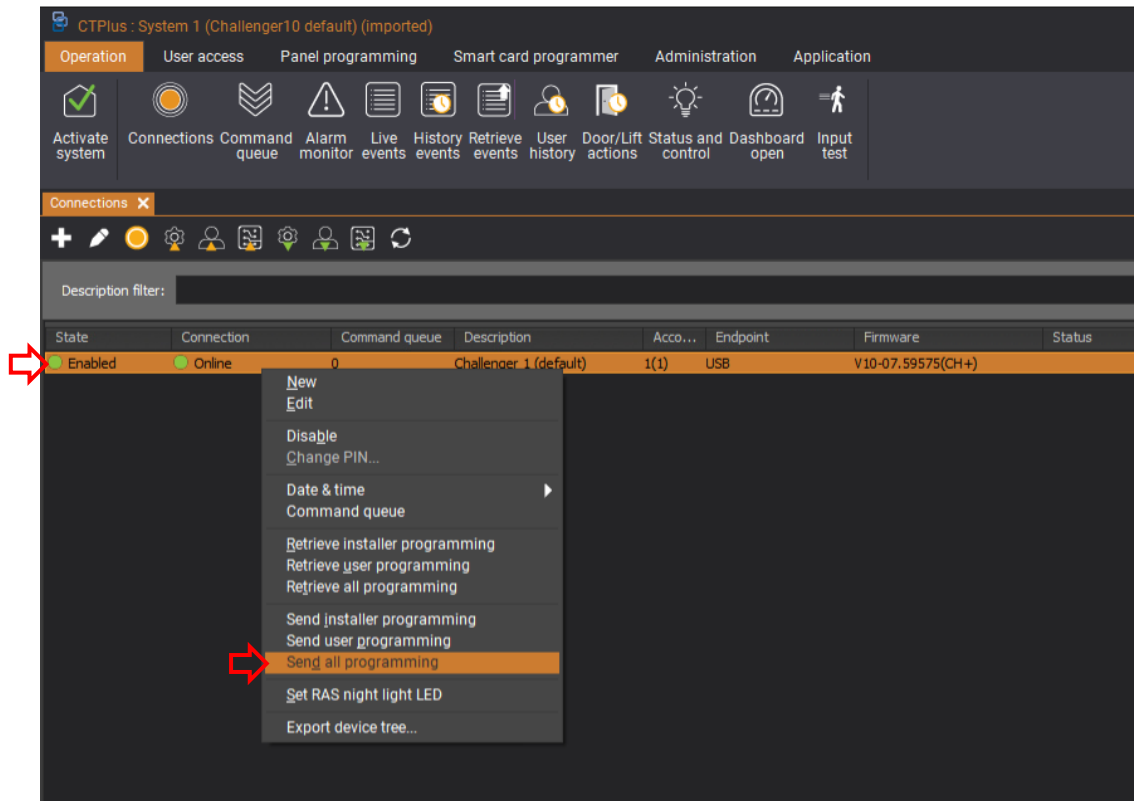


From this window, click on “Sync” button, this will check online and compare the versions currently stored in CTPlus with the latest versions available online. Only new versions of the firmware will be downloaded. Firmware updates stored in CTPlus are always available and do not require an active internet connection when programming your devices. Click on the latest firmware version available and click on Program.

Once you press program, you will be asked to confirm the upgrade. Press Yes to continue.



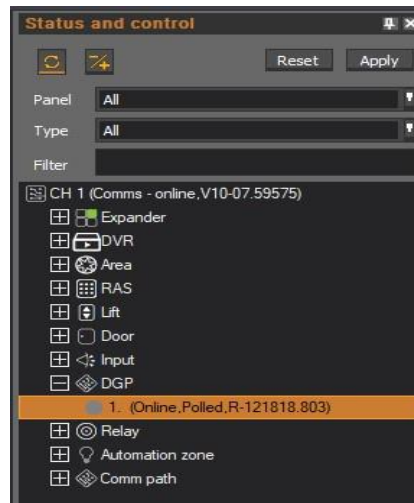
Once the firmware update is completed, it is recommended to send all programming to the panel afterwards. To do this, in the Connections window, right click on the Panel, and choose “Send all programming”.



Your ChallengerPlus system is now ready to use. If you have 4 Door Controllers that you need to control, see the section later in this document on how to convert 4 Door Controller doors into NAC Doors using the Wizard.

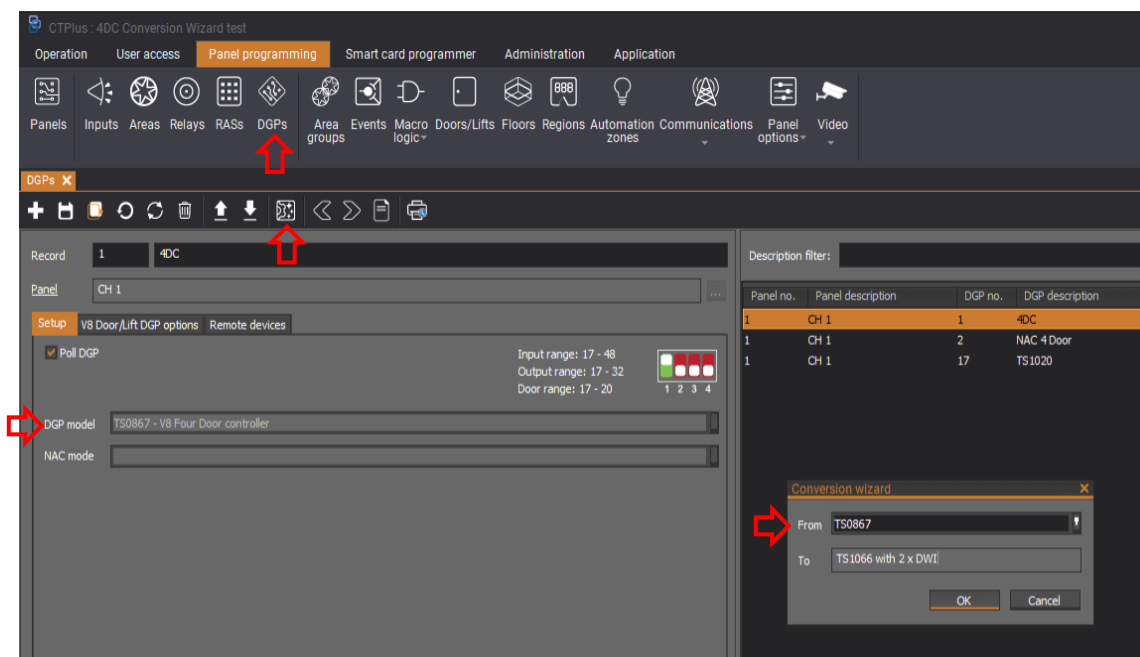
Steps for upgrading 4DC (TS0866/TS0867) to NAC (TS1066)

1. First confirm the firmware version on the 4 Door Controller, to do so, Status and Control > DGP -check firmware installed (must be R-110613 or later)

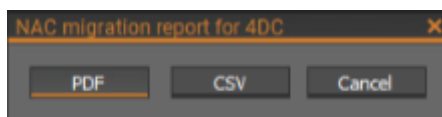


2. In CTPlus, go to “Panel programming > DGPs”, and select the correct 4 Door Controller that you want to upgrade (must be either a TS0866 or TS0867). Then in the DGPs window, along the top, press the “Conversion wizard” button, as shown below.
3. The “Conversion wizard” window will then appear. Ensure that you select the correct type of DGP that you are converting.

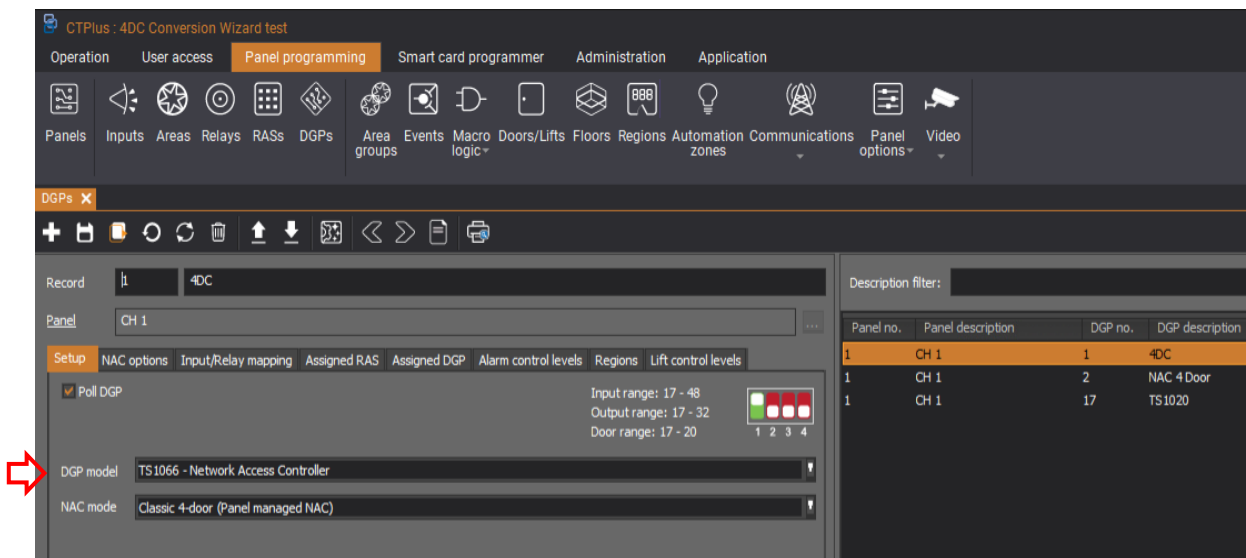
In this case, you can see the wizard is going to create a TS1066 with two Dual Wiegand Interfaces (DWIs) to achieve the same result as the previous 4 Door Controller. Choose “OK” to proceed.



- The conversion will occur, and then you will be presented with an option to view the conversion report if you would like to.



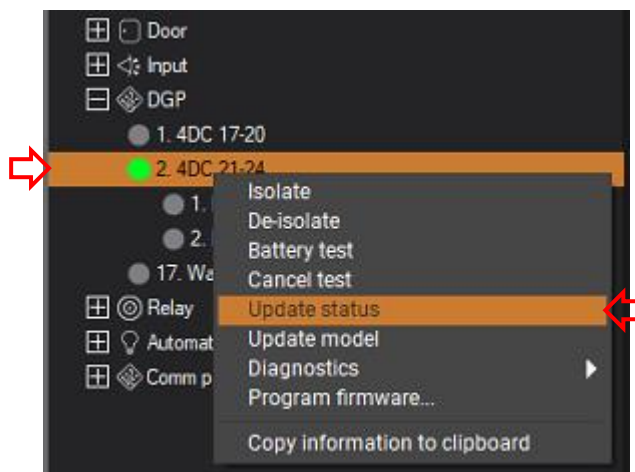
- Once the wizard is complete, you will see the DGP model has now changed, and the NAC mode is set to Classic mode. Ensure Poll DGP is ticked as well, ready for connection in the next step.



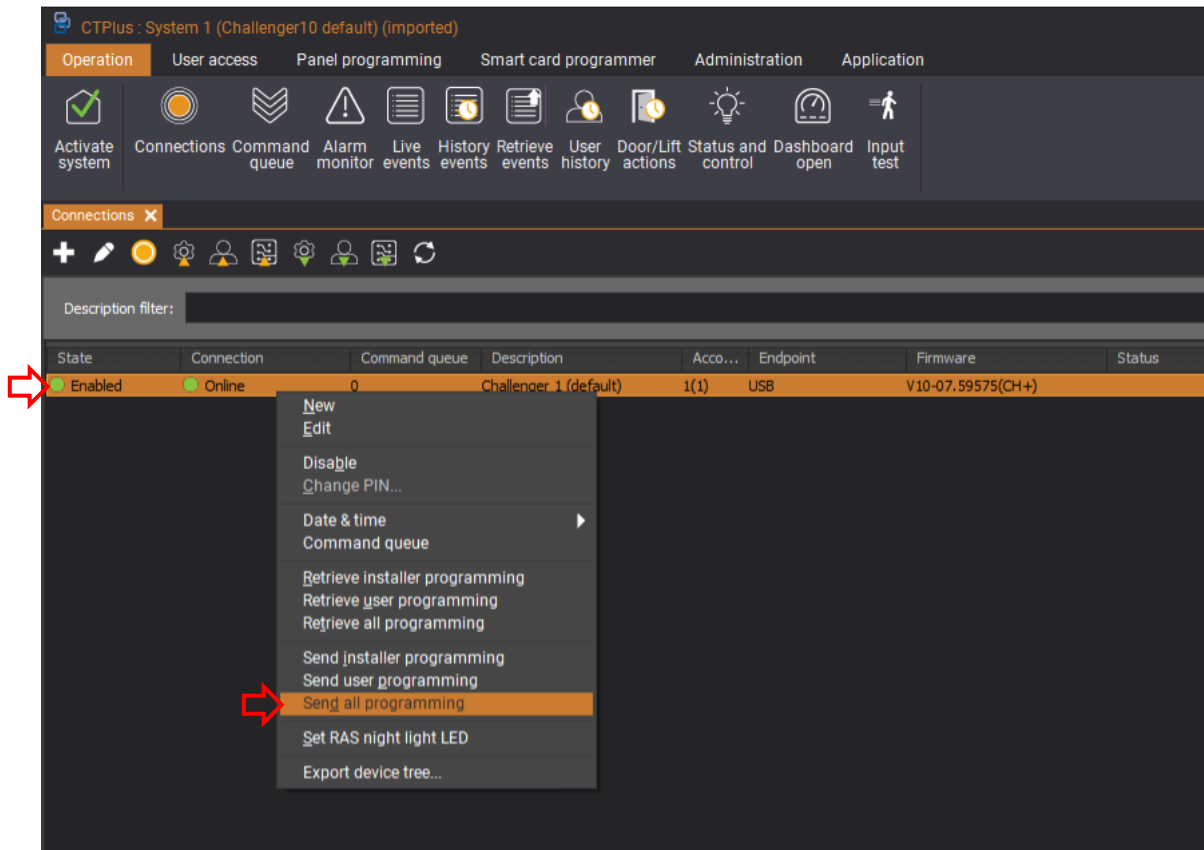
- Now install the NAC as per the NAC installation manual, setting the address dip switches to match the address you have set for this in the DGP settings in CTPlus. You will also need to connect the NAC to the Challenger LAN to operate in Classic mode. Full instructions for this are also in the NAC installation manual, however for quick reference, this is the “TECOM BUS” connector shown as item (1) in the image:



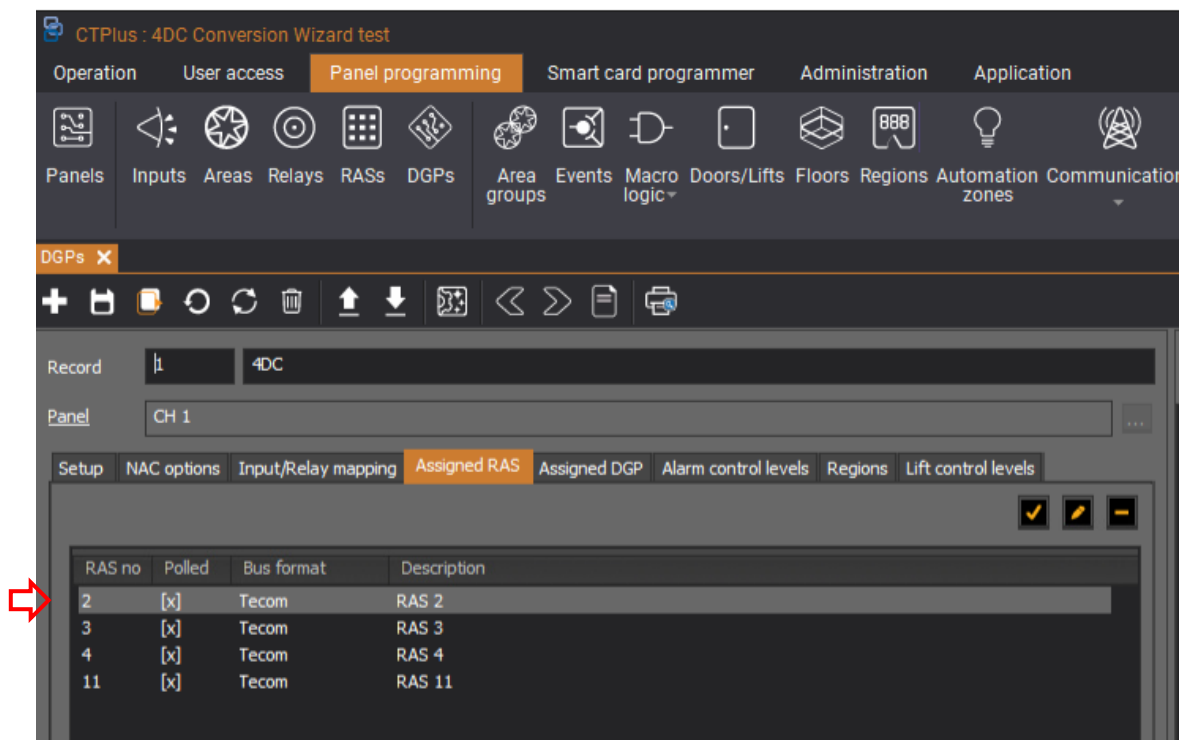
- Once the NAC is installed and connected, confirm that it comes online. To do this, in the Status and control window, right click on this particular DGP, and choose “Update status” as shown below:



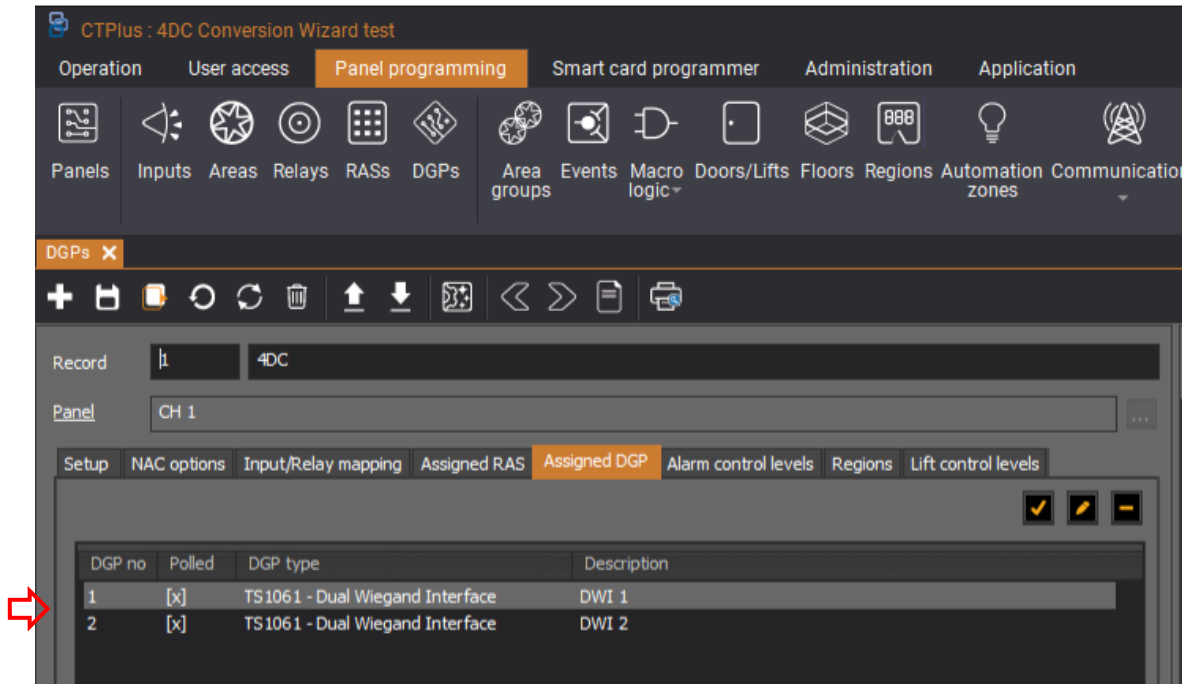
8. Now that the NAC is online, we want to send all programming. To do this, in the Connections window, right click on the Panel, and choose “Send all programming”.



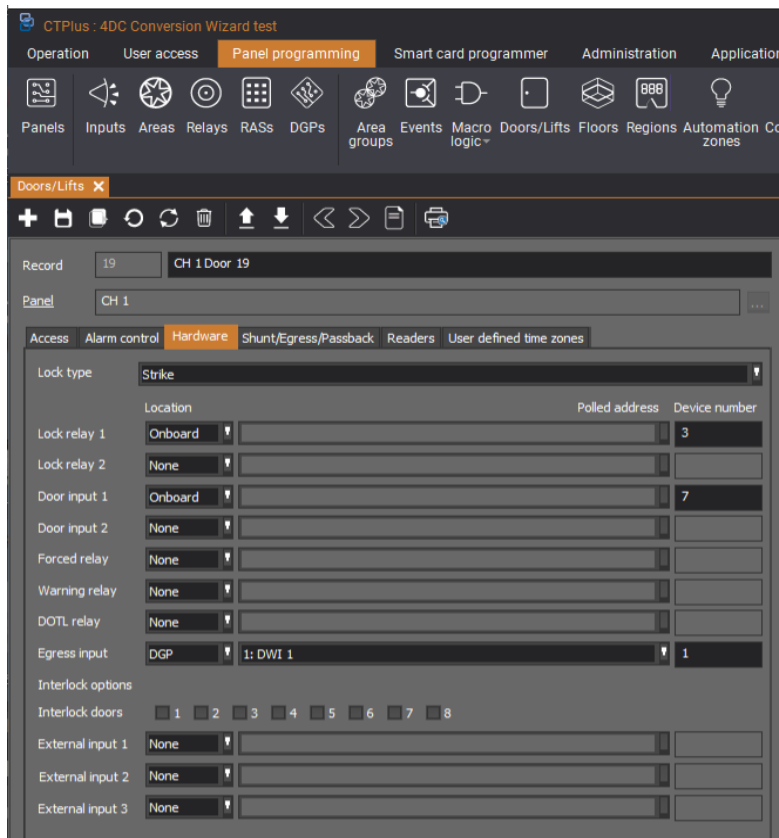
9. On the DGPs window’s “Assigned RAS” tab, you will find the RASs that were previously on the 4DC:



10. On the DGPs window's "Assigned DGP" tab, you will also now find the two DWI interfaces added in this example.



11. On the Doors/Lifts window's "Hardware" tab for the doors, you will find the input and relay assignments brought across.



12. On the Doors/Lifts window's "Readers" tab for the doors, you will find the readers you had assigned to each door brought across as well.

