

TECH SUPPORT GUIDE

ChallengerPlus

Migration to ChallengerPlus and Network Access Controller

ChallengerPlus

Summary

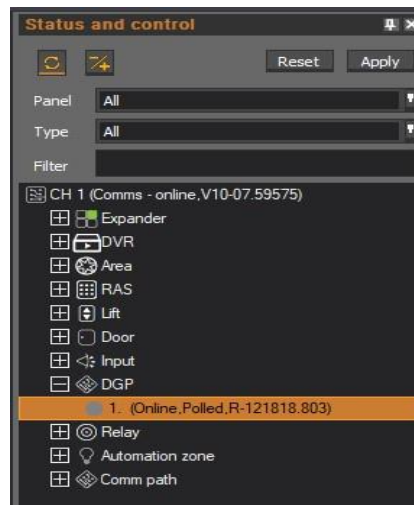
This document describes how to upgrade 4 door controllers connected to a ChallengerPlus panel to Network Access Controllers (NAC).

Pre-Requisites

1. ChallengerPlus Panel with latest firmware installed
2. CTPlus 2.6 or later
3. NAC (TS1066)

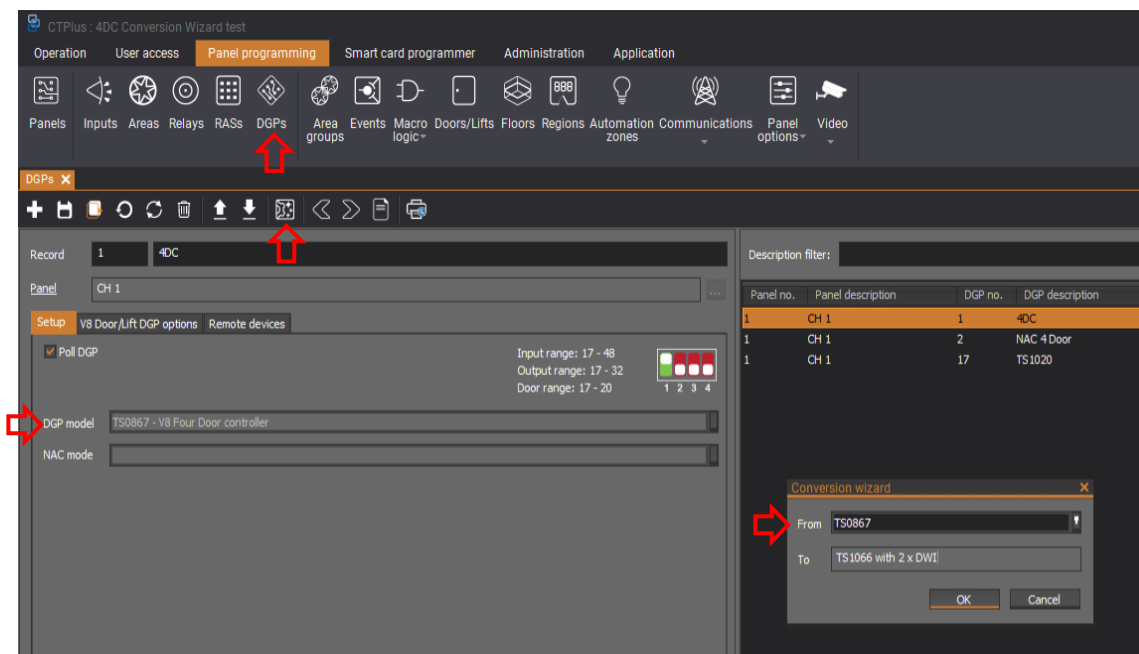
Steps for upgrading 4DC (TS0866/TS0867) to NAC (TS1066)

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)

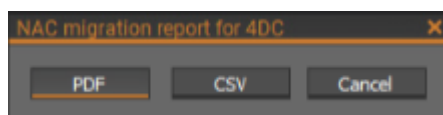


2. In CTPlus, go to “Panel programming > DGPs”, and select the correct 4 Door Controller that you want to upgrade (must be either a TS0866 or TS0867). Then in the DGPs window, along the top, press the “Conversion wizard” button, as shown below.
3. The “Conversion wizard” window will then appear. Ensure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

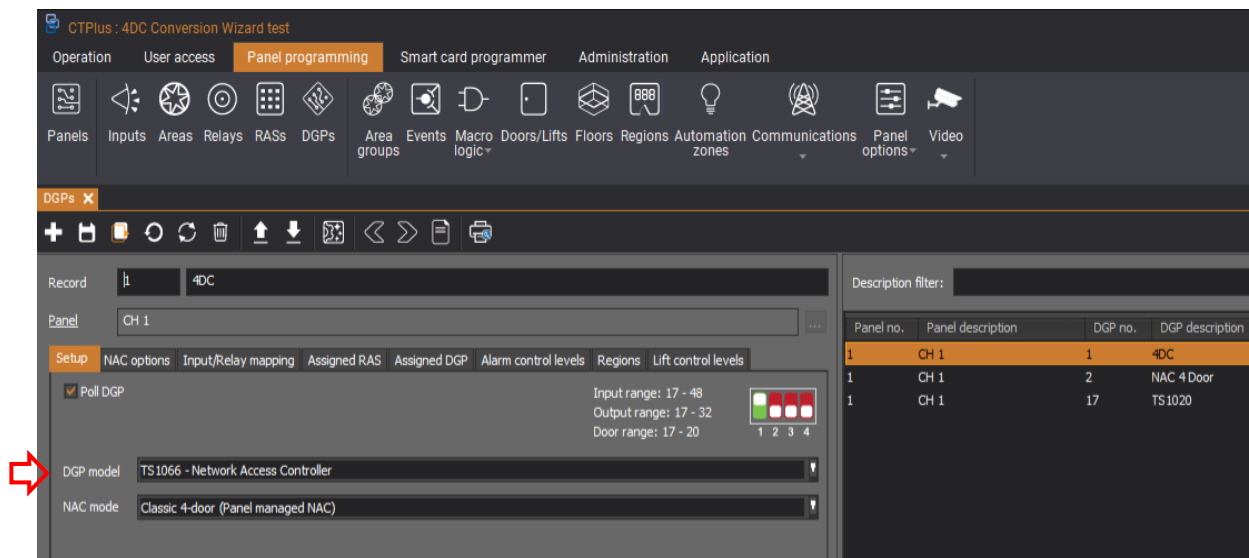
In this case, you can see the wizard is going to create a TS1066 with two Dual Wiegand Interfaces (DWIs) to achieve the same result as the previous 4 Door Controller. Choose “OK” to proceed.



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



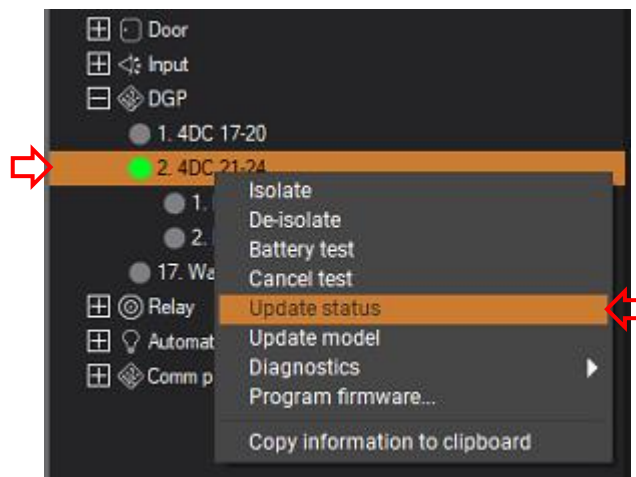
- Once the wizard is complete, you will see the DGP model has now changed, and the NAC mode is set to Classic mode. Ensure Poll DGP is ticked as well, ready for connection in the next step.



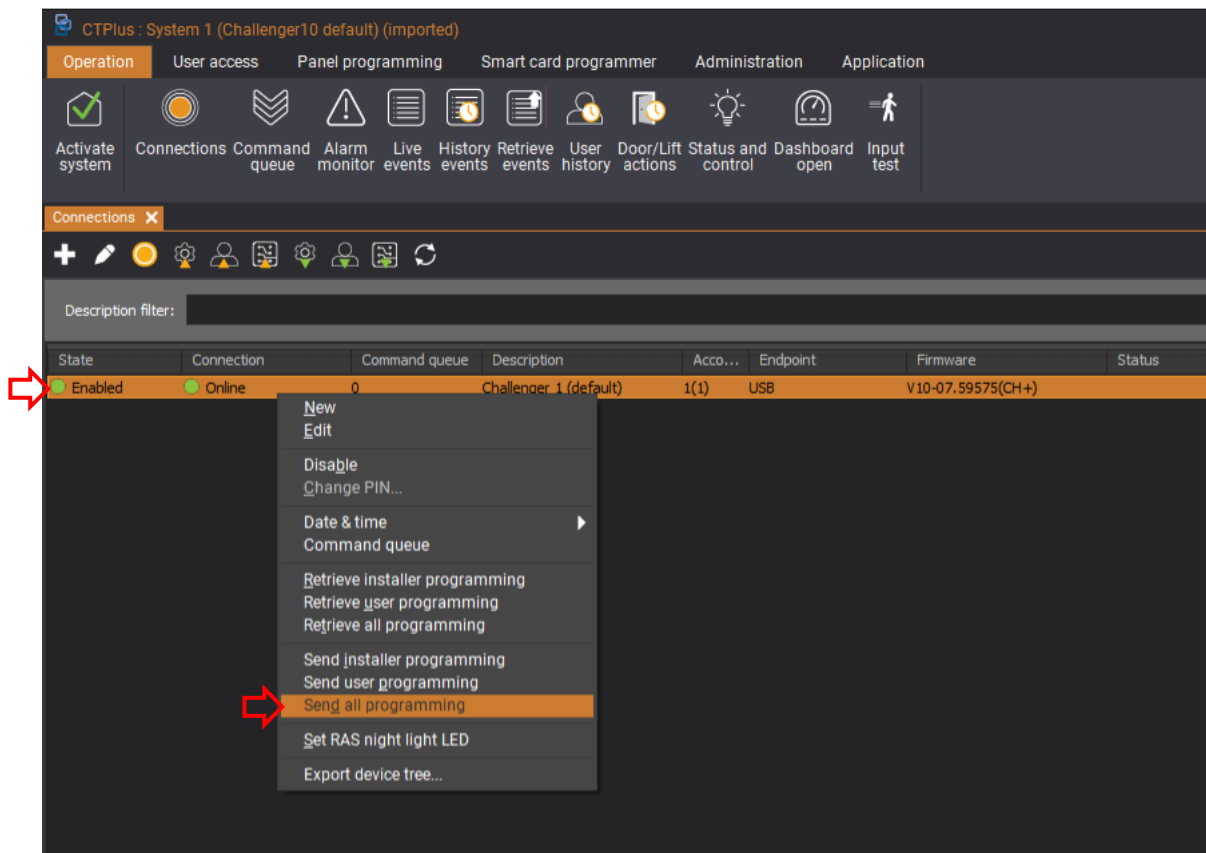
6. Now install the NAC as per the NAC installation manual, setting the address dip switches to match the address you have set for this in the DGP settings in CTPlus. You will also need to connect the NAC to the Challenger LAN to operate in Classic mode. Full instructions for this are also in the NAC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



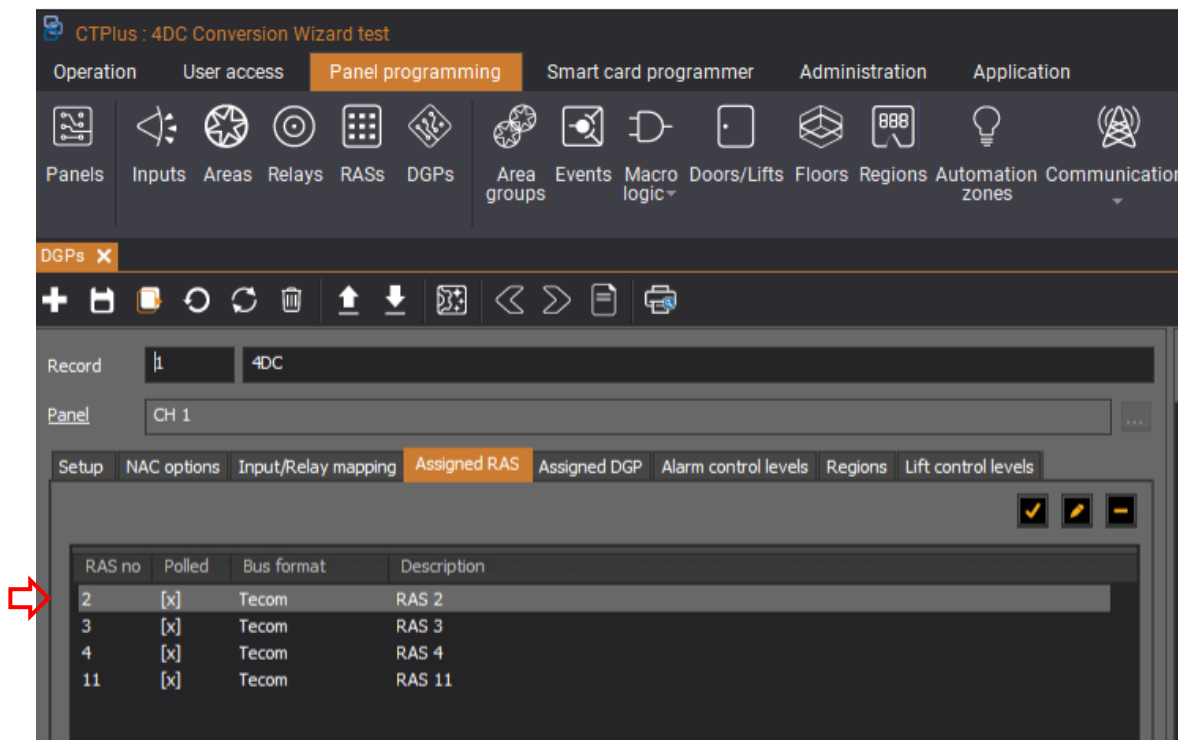
7. Once the NAC is installed and connected, confirm that it comes online. To do this, in the Status and control window, right click on this particular DGP, and choose “Update status” as shown below:



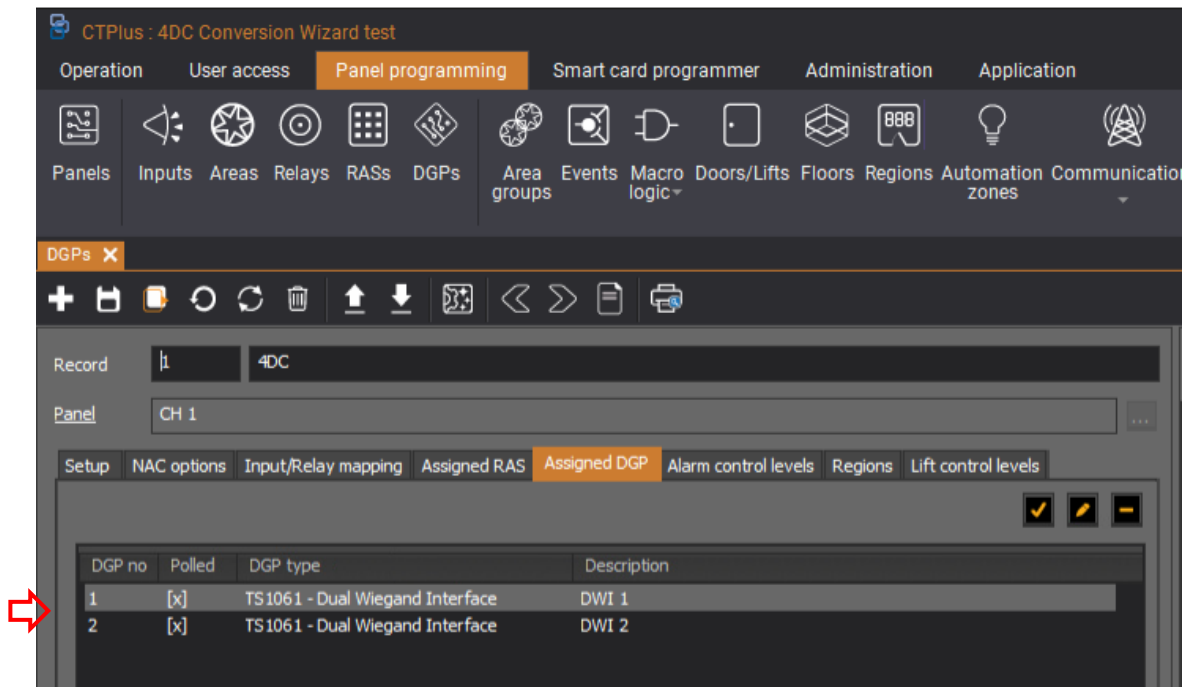
8. Now that the NAC is online, we want to send all programming. To do this, in the Connections window, right click on the Panel, and choose "Send all programming".



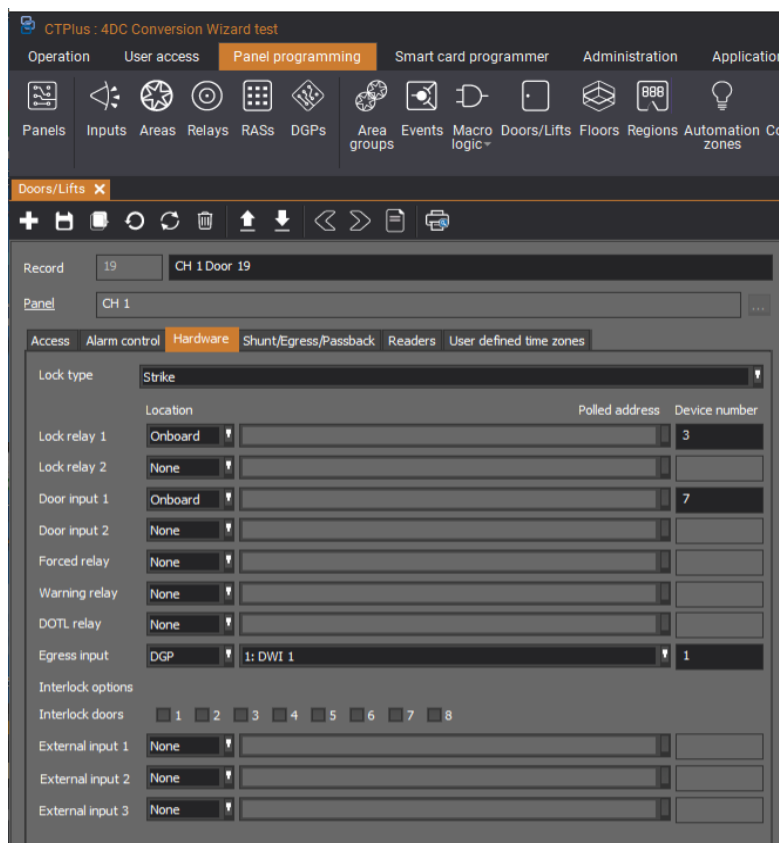
9. On the DGPs window's "Assigned RAS" tab, you will find the RASs that were previously on the 4DC:



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.

