

# HOW TO.

Configure the 2N USB reader to use  
in ACS

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## Introduction

This document will show you how to configure the 2N USB reader to read your chosen card format and how this can then be entered into ACS.

### Prerequisites

AXIS Camera station 5.50 or later

2N External Secured RFID Card Reader

TWN4 Devpack4

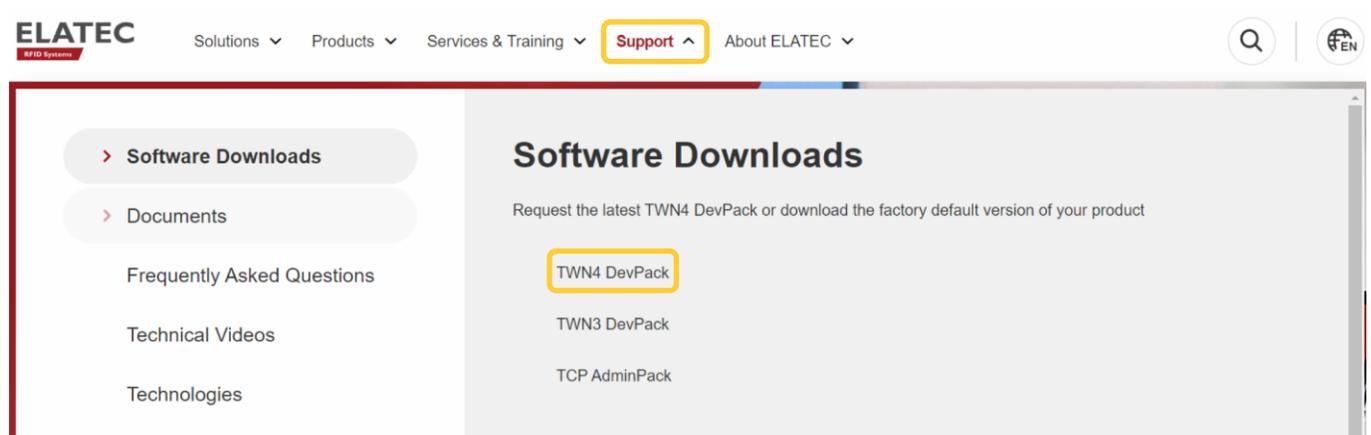
Please note that Axis doesn't take any responsibility for how this configuration may affect your system. If the modification fails or if you get other unexpected results, you may have to restore the settings to default.

## Step 1 – Download required Dev Pack for the 2N USB Reader

First steps is to configure the reader correctly. To do so we require a dev pack from Elatec.

Retrieving the Dev pack

1. Go to the website [www.elatec-rfid.com](http://www.elatec-rfid.com) and select “Support” on the top option banner. In this menu select “TWN4 DevPack”



2. From this page click on the “Request DevPack”. And fill in the form, once you receive the email click “download Devpack” from the email.

## Latest Version (DevPack 4.64)

Unless otherwise agreed with ELATEC, your product has been delivered with a standard firmware version that might be older than the latest ELATEC firmware version. Please use the contact form below to request the latest firmware version. If you wish to download the factory default version of your product, please contact ELATEC Technical Support.

[Request DevPack](#)

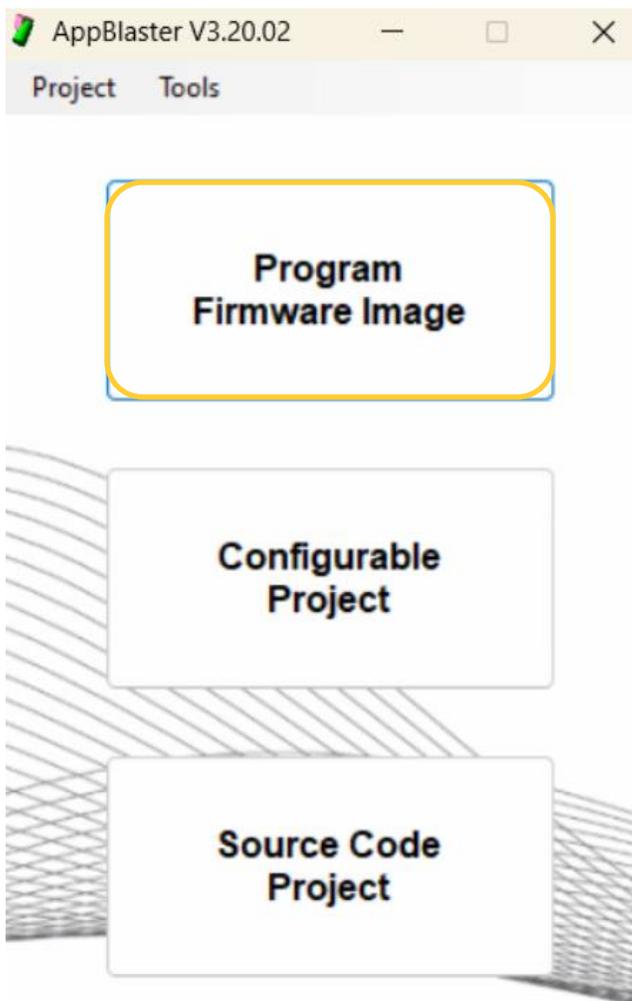
3. Next go to the downloaded file location and extract the entire contents to your chosen location.

## Step 2 – Programming the desktop Reader

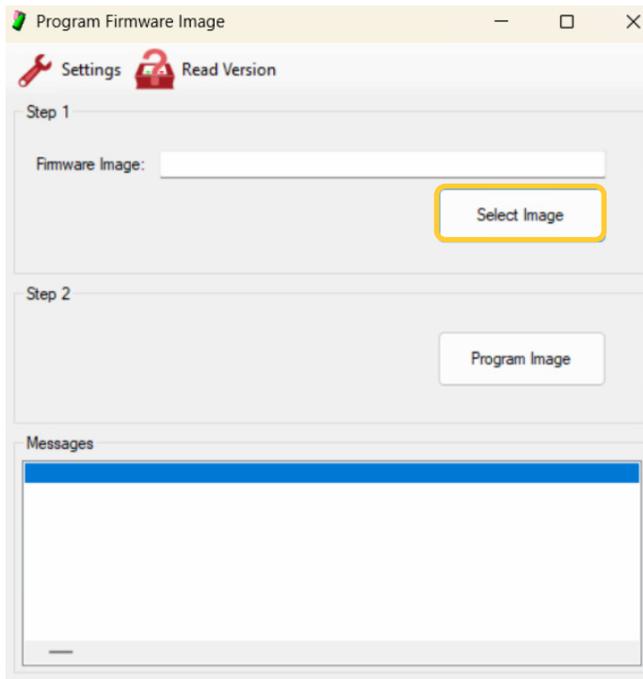
Now that we have the required files, we can program the reader to the required setup.

How to program the desktop reader

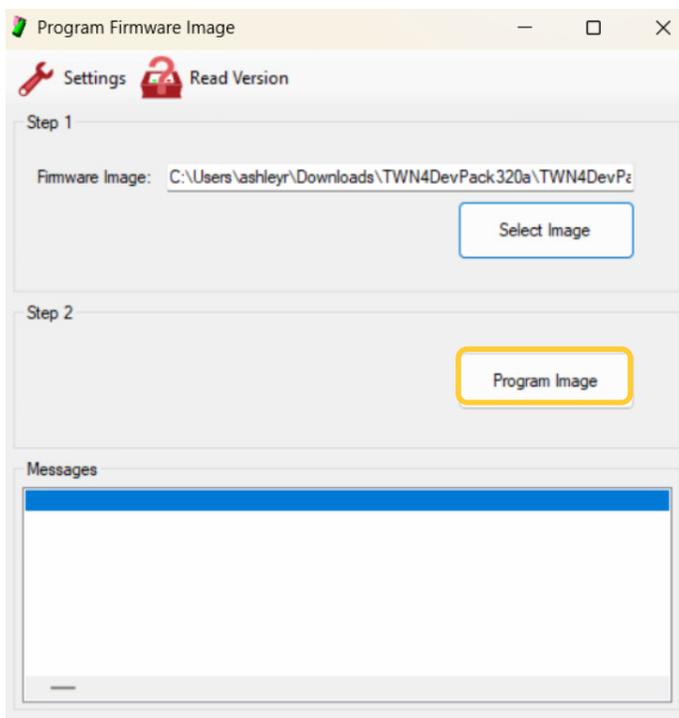
1. Connect the 2N USB desktop reader to the PC via the USB port.
2. Open the extracted folder from the previous step and run the “Appblaster.exe, if you receive a PC warning please choose to “Run anyway”
3. Once the applblaster.exe pops up select “Program Firmware Image”



4. In the new popup, select “select image”



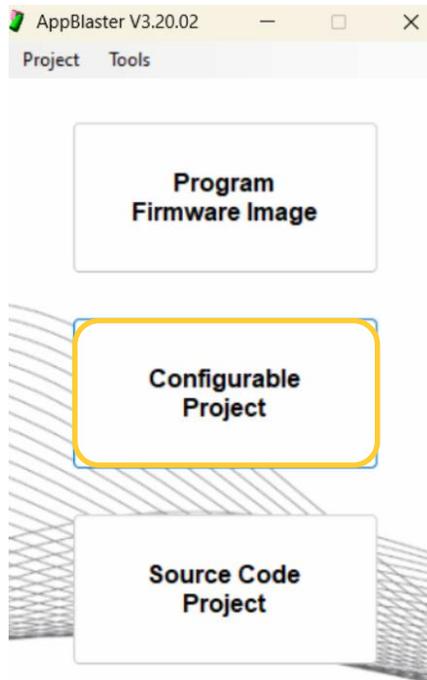
5. In the file selector follow the path TWN4DevPack464\TWN4DevPack464\Templates and select the file “TWN4\_xCx464\_STD204\_Multi\_CDC\_Standard” press open followed by “Program Image” Once complete we can then close the window.



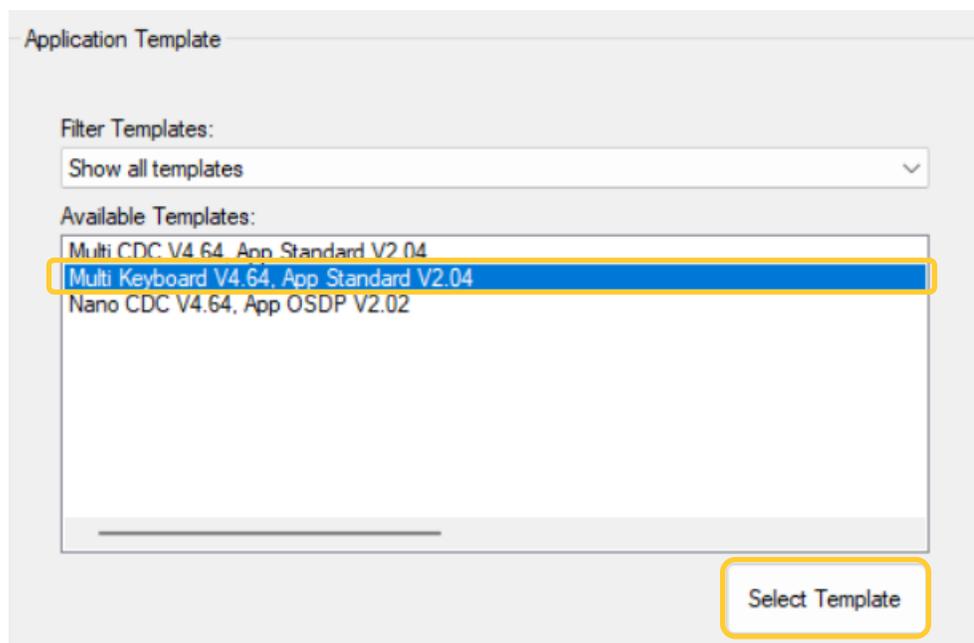
## Step 3 – Create a project and define reading formats

In this step we can set the parameters for what type of cards we would like to be read.

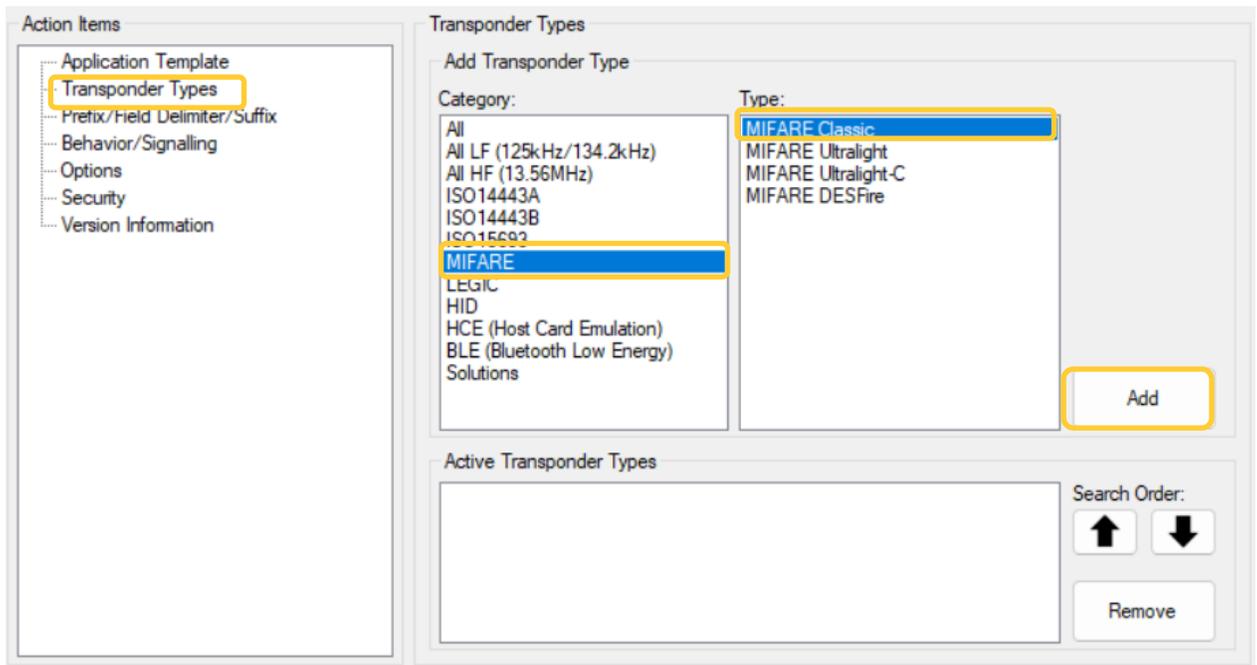
1. In the Appblaster window now select “Configure Project”



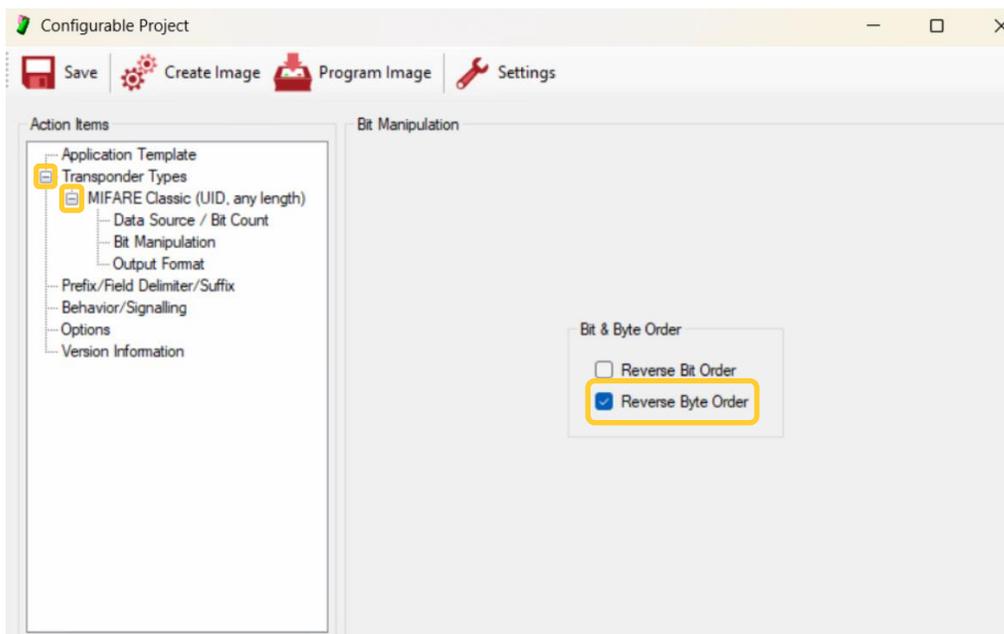
2. In the new window select from the templates TWN4\_xCx464\_STD204\_Multi\_CDC\_Standard and press “Select Template”



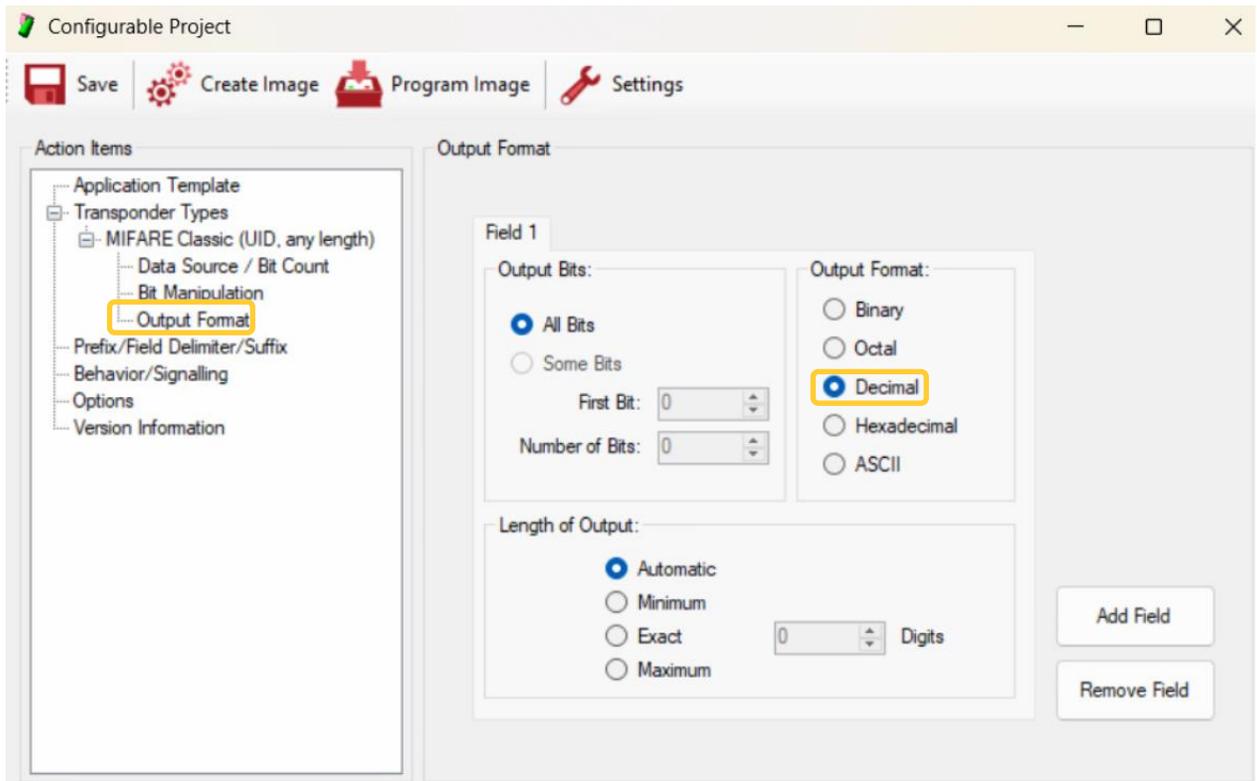
- Under “Action Items” select “Transponder Types”, in the new menu you will need to choose the Category and type of the card you will be using with the 2N USB reader. Once selected press “Add”



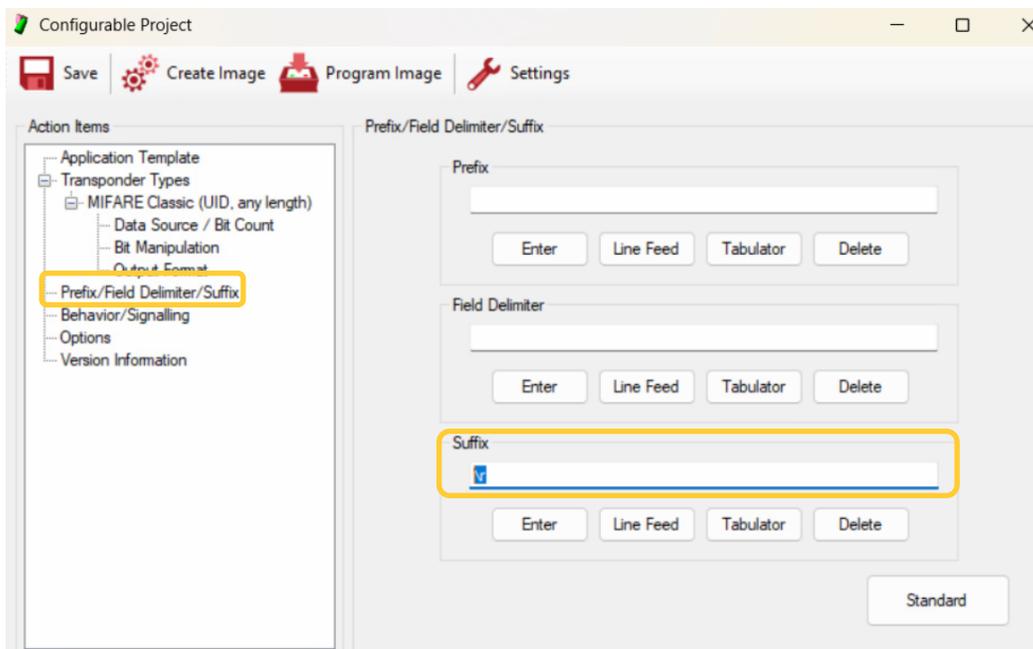
- Next expand the “Transponder Types” menu and expand the card type you have added, from the new dropdown select “Bit Manipulation”. On the new menu type “Reverse Byte Order”



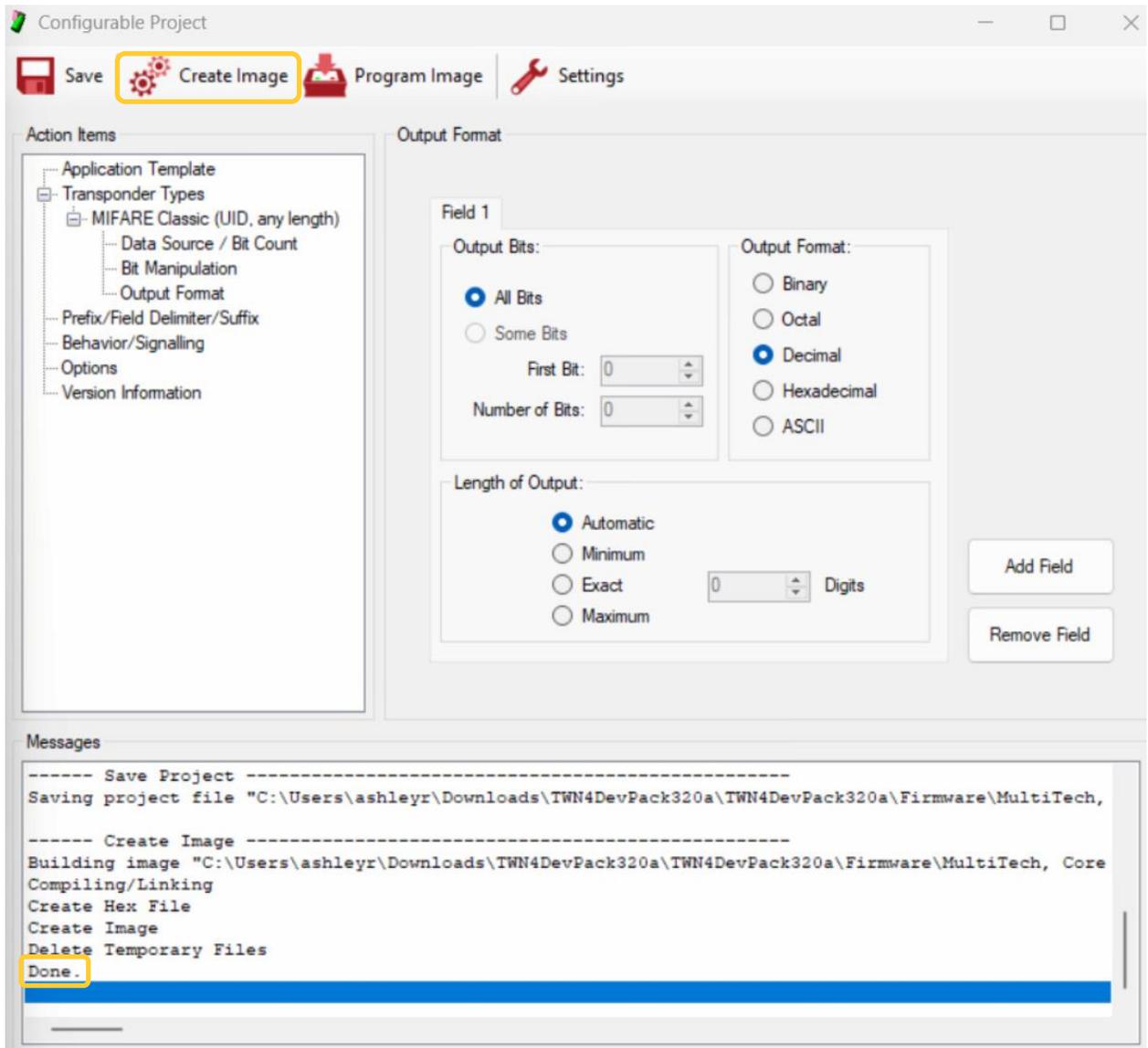
- Now select “Output Format” in the menu on the right change the “Output Format” to “Decimal”



- Then select “Prefix/Field Delimiter/suffix”, in this menu clear the preset text in the suffix field.



- Next click on “create Image” the message box will indicate once this image has been completed. Once completed the window can be closed.

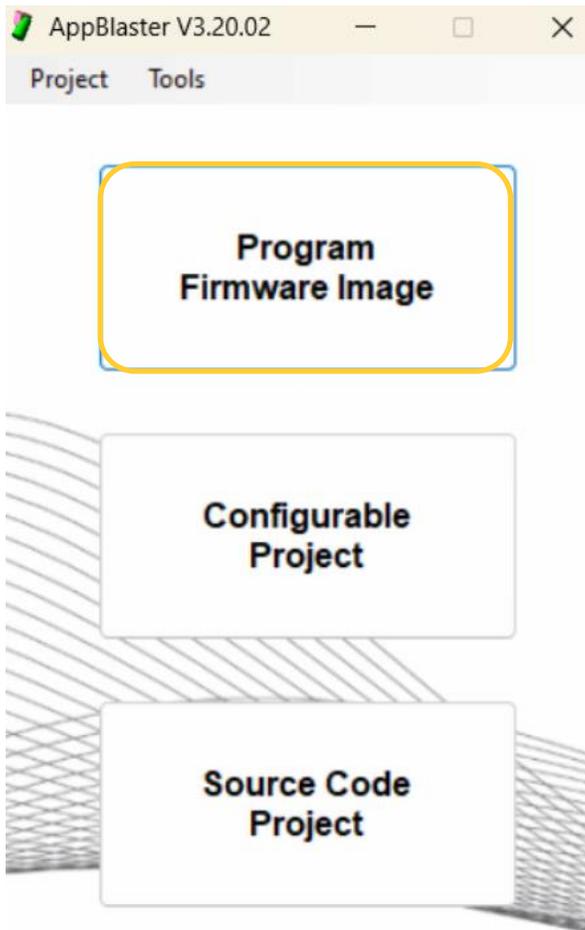


## Step 4 – Load the project file

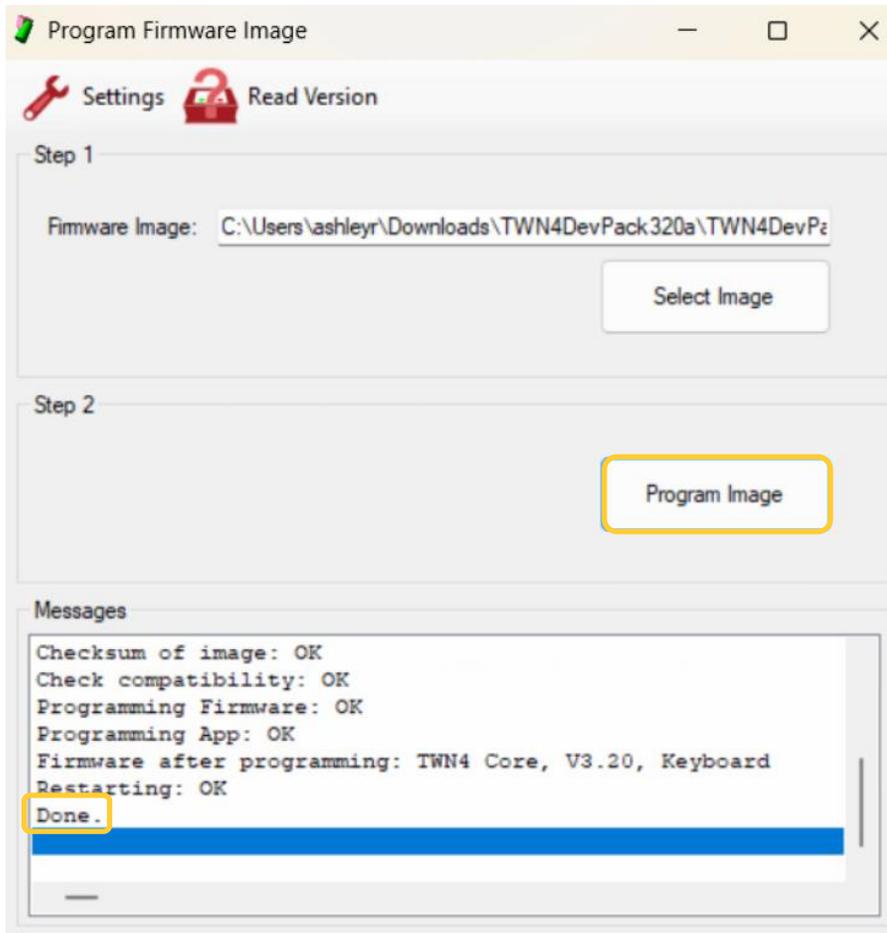
Now that we have created the desired image, we can load this onto the reader.

How to load the image to the reader

1. In the Appblaster window now select “Program Firmware Image”



2. In the popup select “Select Image” and got the file path TWN4DevPack464\TWN4DevPack464\Apps and select the .bix file we created in the previous step. Then press “Program Image”. Once completed the message box will say “done”, after this the reader is now programmed and ready for use.



## Considerations and limitations.

1. Ensure during step 3.3 to select the correct card type and not the shown example image.
2. Files and file structures may change based on your computer configuration.