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## **TECHNOTE: 11/2023**

# Subject:

How to install the Elatec TWN4 MultiTech or MultiTech2 DATE: November, 2023 AUTHOR: TECHNICAL SUPPORT PRODUCT/AREA: Encoding

To correctly install and configure the Elatec TWN4 MultiTech/MultiTech2 encoder according with the cardPresso requirements, please follow the instructions below:

Download the latest TWN4 MultiTech driver package (**TWN4DevPack464**) available through the link below. <u>https://www.cardpressodownloads.com/filesforclient/Private/Support/TWN4DevPack464.zip</u> Extract the downloaded .zip file.

Go to the TWN4DevPack464\Driver folder and execute the Install.bat file.

Name	Date modified	Туре	Size
Drivers	14/06/2023 10:46	File folder	
💿 Install.bat	09/12/2014 12:09	Windows Batch File	2
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Click on the **Next** button to proceed with the driver installation wizard.

Device Driver Installation Wizard



If the following "Windows Security" window is prompted, allow the device to be installed.

E Windows Security

### Would you like to install this device software?



Name: Elatec Universal Serial Bus controllers Publisher: Elatec GmbH





In case the following output is returned, it means that the driver was correctly installed and the installation wizard can be closed by clicking on the **Finish** button.

Device Driver Installation Wizard



Now that the driver is correctly installed, it's also required to flash the correct Firmware version. To do it, go to the **TWN4DevPack464** folder and run the **AppBlaster.exe** application.

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	Name	Date modified	туре	SIZE
	Apps	14/06/2023 10:46	File folder	
	Docs	14/06/2023 10:46	File folder	
	Driver	14/06/2023 10:46	File folder	
*	Firmware	14/06/2023 10:46	File folder	
*	Templates	14/06/2023 10:46	File folder	
*	- Tools	14/06/2023 10:46	File folder	
*	🤰 AppBlaster.exe	14/06/2023 10:43	Application	969
	🦄 Director.exe	23/05/2022 12:20	Application	943
~	👃 EULA DocRev3.pdf	28/10/2020 14:34	Adobe Acrobat D	74
_	📓 What's New.txt	14/06/2023 10:46	TXT File	5
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#### TWN4DevPack464

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#### Click on the **Program Firmware Image** button.



#### Click on the Select Image button.

2	Program Firmware Image	—		×
	🔑 Settings			
-	Step 1			
	Firmware Image:			
		Select	lmage	
	Step 2	Program	Image	
_				



# For the MultiTech and MultiTech2 encoder, browse for the TWN4\_xPx464\_S1SC160\_Multi\_CCID\_1Slot\_Standard.bix file, located under the TWN4DevPack464\Firmware folder.

ler		== - 🔟 🕐
Name	Date modified	Type S
BLE Module	28/11/2023 17:07	File folder
TWN4_xCx464_LXT110_Multi_Legic_Transparent.bix	28/11/2023 17:07	BIX File
TWN4_xCx464_PRS104_Multi_CDC_Simple_Protocol.bix	28/11/2023 17:07	BIX File
TWN4_xCx464_STD204_Multi_CDC_Standard.bix	28/11/2023 17:07	BIX File
TWN4_xKx464_DMP108_Multi_Keyboard_Dump.bix	28/11/2023 17:07	BIX File
TWN4_xKx464_STD204_Multi_Keyboard_Standard.bix	28/11/2023 17:07	BIX File
TWN4_xKx464_STDC204_Multi_Keyboard_Standard_Accept_Config_Cards.bix	28/11/2023 17:07	BIX File
TWN4_xKx464_STDU204_Multi_Keyboard_Standard_Accept_Upgrade_Cards.bix	28/11/2023 17:07	BIX File
TWN4_xKx464_STDX204_Multi_Keyboard_Standard_Accept_Config_Upgrade_Cards.bix	28/11/2023 17:07	BIX File
TWN4_xKx464_TRC229_Multi_Tracer.bix	28/11/2023 17:07	BIX File
TWN4_xPx464_S1SC160_Multi_CCID_1Slot_Standard.bix	28/11/2023 17:07	BIX File
<		>
name: TWN4_xPx464_S1SC160_Multi_CCID_1Slot_Standard.bix	<ul> <li>Apps, Firmw</li> </ul>	vare (*.t4a, *.app, *.ł ∨
	Open	Cancel

**Note:** By selecting a wrong firmware file, it could be incompatible with the connected TWN4 encoder, or it could program it in a wrong way, so we suggest that you double-check it.

Click on the **Program Image** button.

	Step 2 Program Image	
	Messages Checksum of image: (No checksum found) Check compatibility: OK Programming Firmware: OK Programming App: OK Firmware after programming: TWN4 Core, V4.64, CCID Restarting: OK Done.	
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The returned output on the **Messages** section should be similar to the demonstrated above.

After completing the previous steps, the encoder should be displayed as a single **Slot 0** on the Windows Devices and Printers view, PC/SC Diagnostics tool and cardPresso application.

Contactless encoders	Elatec SmartCard Reader 0 Slot 0	-
	Elatec SmartCard Reader 0 Slot 0	

If you need to read the UID of a multi frequency card (LF and HF) in the same cardPresso job, you'll require to flash the **TWN4\_xCx464\_PRS104\_Multi\_CDC\_Simple\_Protocol.bix** firmware instead.

On that case scenario, the encoder will be displayed with the following different name:

Contactless encoders	Elatec TWN4PRS (COM6)	•
app.debug("	Elatec TWN4PRS (COM6)	

We suggest contacting our support team through the email <u>support@cardpresso.com</u> for more information.

Generally, you can encode 13.56MHz and 125kHz cards using **Slot 0**.

Please make sure that you are using the latest cardPresso version, available for download in our website.

