

FLASH MANUAL

1. GENERAL INFORMATION

Dear customer, thank you very much for choosing our product. In the following, we will introduce you to what to observe while starting up and using this product. Should you encounter any unexpected problems during use, please do not hesitate to contact us.



To flash your JT-DMSO2D72, use only the firmware versions published by Joy-it.

The firmware versions published by Joy-it are specially adapted to the JT-DMSO2D72 and should never be used for other devices.

First you have to download the software for flashing, you can find it <u>here</u>.

Start the just downloaded installation file.

🕼 DfuSe v3.0.5 - InstallShield W	🛃 DfuSe v3.0.5 - InstallShield Wizard 🛛 🗙						
	Welcome to the InstallShield Wizard for DfuSe v3.0.5 The InstallShield(R) Wizard will allow you to modify, repair, or remove DfuSe v3.0.5. To continue, click Next.						
	< Back Next > Cancel						

Click Next >.

🔀 DfuSe v3.0.5 - InstallShield Wizard		×
Customer Information Please enter your information.		4
User Name:		
ji		
Organization:		
,		
InstallShield		
	< Back N	ext > Cancel

Your user name should now appear in the upper of the two input fields, otherwise enter it and click **Next >**.

🔀 DfuSe v3.0.5 - InstallShield Wizard	×
Ready to Install the Program	
The wizard is ready to begin installation.	
If you want to review or change any of your installation settings, click Back. Click Cance exit the wizard.	el to
Current Settings:	
Setup Type:	
Typical	
Destination Folder:	
C:\Program Files (x86)\STMicroelectronics\Software\	
User Information:	
Name: Entwicklung4	
Company:	
InstallShield	
< Back 🛛 🖓 Install Ca	ncel

Now click on Install.

😥 DfuSe v3.0.5 - InstallShield Wizard					
٤	InstallShield Wizard Completed The InstallShield Wizard has successfully installed DfuSe				
	v3.0.5. Click Finish to exit the wizard.				
~					
	< Back Finish Cancel				

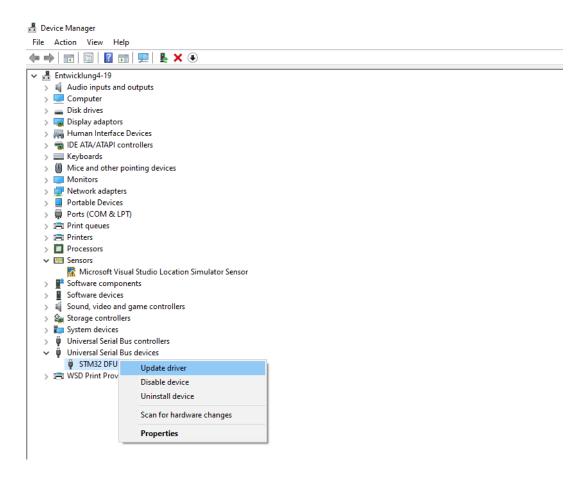
Finally, complete the installation by clicking **Finish**.

To install the required driver, you must first open your Device Manager.

Now search for the device STM32 DFU, the device name may vary slightly.

File Action View Help <p< th=""><th>着 Device Manager</th><th>-</th><th>×</th></p<>	着 Device Manager	-	×
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Now click on the device with the right mouse button and select **Update driver**.



Next, click on Browse my computer for drivers

How do you want to search for drivers?

- → Search automatically for drivers Windows will search your computer for the best available driver and install it on your device.
- → Browse my computer for drivers Locate and install a driver manually.

Now enter the location of the previously installed software and then click **Next** to start the driver installation.

Update Drivers – STM32 DFU

Browse for drivers on your computer

Search for drivers in this location:

C:\Program Files (x86)\STMicroelectronics

Browse...

 \sim

✓ Include subfolders

→ Let me pick from a list of available drivers on my computer This list will show available drivers compatible with the device, and all drivers in the same category as the device.

\sim	٢.
\sim	

Next	Cancel	

3. FLASHING THE FIRMWARE

Download the latest firmware version here.

Now connect your DMSO to your computer with the USB cable and open the previously installed flash software.

Now press and hold the **F1** key while the device is switched off

and press the 🕐 -key.

Now the

-key should first light up light green and then

alternately flash green and red.

This means that the device is now in flash mode.

Now you should also be able to see the device in the flash software.

IfuSe Demo (v3 🗼	.0.5)						_		×
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Supports Uploa Supports Down Can Detach Enter DFU mode/I Actions	load	Accelerat	tion tolerant ed Upload (ST) DFU mode	Proc	dor ID:		Vendor ID: Procuct ID Version:		
Select Target(s):	Target Id 00 01 02		ash : M25P64 h : M29W128F		Available Sect 256 sectors 128 sectors 256 sectors	ors (D	ouble Click	for more	2)
Upload Action File: Choose	Uŗ	oload	Upgrade or V File: Vendor ID: Procuct ID:	erify A	ction Targets i	n file:			
Transferred data s 0 KB(0 Bytes) of 0			Version:		nload de duration (Re		ome EFo)		
Operation duration 00	n D:00:00		Choose		Upgra	_		Verify	
Abort							[Qui	t

Now click on **Choose...** as marked in the picture below and select the firmware you want to install on the device.

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Select <u>T</u> arget(s):	Target Id 00 01 02	Name Internal Flash SPI Flash : M25P64 NOR Flash : M29W12	'8F	Available Sectors 256 sectors 128 sectors 256 sectors	(Double Clic	k for more	
Upload Action File: <u>C</u> hoose Transferred data		Upgrade File: Vendor Procuct Versio	D:	Action Targets in file	3:		
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Next, click on **Upgrade**.

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– Available DFU Devi	ices							
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			tion tolerant ed Upload (ST)	Proc	dor ID:	Vendor II Procuct I Versior	D: DF11	
Enter <u>D</u> FU mode/I	HID detach	Leave	DFU mode			1010101	. 0200	
Actions								
Select <u>T</u> arget(s):	Target Id	Name			Available Sectors	(Double Cli	ck for more	e)
	00	Internal Fl			256 sectors			
	01	SPI Flash	: M25P64 h : M29W128F		128 sectors 256 sectors			
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0	0:00:00		Ch <u>o</u> ose		Upgrade		<u>V</u> erify	
		Fi	le correctly	load	ed.			
Abort							Qui	t

Confirm the following message to start the flash process.

DfuSe Demo (v3.0.5) Available DEU Devices	- 🗆 X
STM Device in DFU Mode	DFU Mode:
Supports Upload Manifestation tolerant Vendor ID: Supports Download Accelerated Upload (ST) Procuct ID: Can Detach Version:	Vendor ID: 0483 Procuct ID: DF11 Version: 0200
Enter DFU mode/HID detach	
Actions	
Select <u>T</u> arget(s): <u>Target Id</u> <u>Name</u> <u>Available Sectore</u> DfuSeDemo	(Double Click for more)
Your device was plugged in DFU mode. So it is impossible to make sure this file is correct for device. Upload Actio File:	this
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Transferred data size Version: 0000	
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Operation duration	
00:00:00 Chgose Upgrade	⊻erify
File correctly loaded.	
Abort	Quit

After successful flashing you can leave the flash mode by clicking on **Leave DFU mode**.

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STM Device in DFU Mode SIM Device in DFU Mode Supports Upload Supports Download Can Detach Enter DFU mode/HID detach Actions		✓ Manifestation tolerant Accelerated Upload (ST) Leave DFU mode	Vend	lication Mode: dor ID:	DFU Mode: Vendor ID: 0483 Procuct ID: DF11 Version: 0200
Select <u>T</u> arget(s):	Target Id 00 01 02	Name Internal Flash SPI Flash : M25P64 NOR Flash : M29W128F		Available Sectors 256 sectors 128 sectors 256 sectors	(Double Click for more)
Upload Action File: <u>Choose</u> <u>Upload</u> Transferred data size 289 KB(296165 Bytes) of 289 KB(296165 Bytes) Operation duration 00:00:36		Procuct ID: Version:	DMS0 0483 0000 0000 er dowi Upgrad	0-2021060801.dfu Targets in file 00 ST	
Target 00: Upgrade successful !					
<u>A</u> bort					Quit

Your device is now ready for use again.

Our information and take-back obligations according to the Electrical and Electronic Equipment Act (ElektroG)



Symbol on electrical and electronic equipment:

This crossed-out dustbin means that electrical and electronic appliances do not belong in the household waste. You must return the old appliances to a collection point.

Before handing over waste batteries and accumulators that are not enclosed by waste equipment must be separated from it.

Return options:

As an end user, you can return your old device (which essentially fulfils the same function as the new device purchased from us) free of charge for disposal when you purchase a new device.

Small appliances with no external dimensions greater than 25 cm can be disposed of in normal household quantities independently of the purchase of a new appliance.

Possibility of return at our company location during opening hours: SIMAC Electronics GmbH, Pascalstr. 8, D-47506 Neukirchen-Vluyn, Germany

Possibility of return in your area:

We will send you a parcel stamp with which you can return the device to us free of charge. Please contact us by email at Service@joy-it.net or by telephone.

Information on packaging:

If you do not have suitable packaging material or do not wish to use your own, please contact us and we will send you suitable packaging.

5. SUPPORT

If there are still any issues pending or problems arising after your purchase, we will support you by e-mail, telephone and with our ticket support system.

Email: service@joy-it.net

Ticket system: http://support.joy-it.net

Telephone: +49 (0)2845 98469-66 (10-17 o'clock)

For further information please visit our website:

www.joy-it.net