

## FIRMWARE UPDATE INSTRUCTIONS

Firmware updates for the DDTi are available at [www.ddrum.com](http://www.ddrum.com). These updates include functionality enhancements, performance improvements, and resolutions for reported issues.

**STEP 1:** Connect the power supply to the DDTi and turn it on.

**STEP 2:** Using the USB cable included, connect the DDTi your computer. Your computer will recognize the DDTi and no drivers are needed.

**STEP 3:** Press the up function and down value buttons at the same time until the screen displays "U.P." The DDTi is now in firmware update mode. Please refer to the pictures below.



**STEP 4:** Please download the corresponding updated software at [www.ddrum.com](http://www.ddrum.com) according to your computer's operating system. (Hxx=software version)

 DDTI\_v1.0\_Hxx(ARM Mac).zip

 DDTI\_v1.0\_Hxx(Intel Mac).zip

 DDTI\_v1.0\_Hxx(Windows).zip

# FIRMWARE UPDATE INSTRUCTIONS

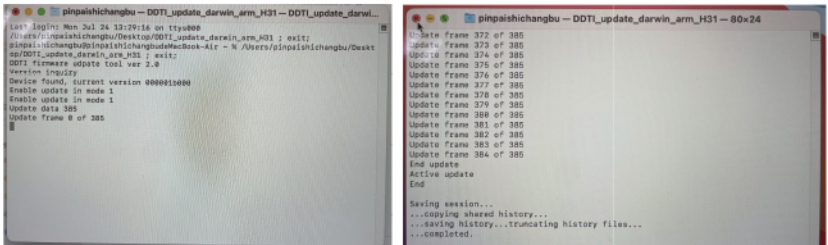
## STEP 5:

1. If your computer's operating system is Intel Mac, please follow the steps below.

A) Run the update and the DDTi will automatically start the process.

Name	Date modified	Type	Size
DDTi_update_darwin_amd64_Hxx	12/12/2024 10:18 AM	File	2,544 KB

B) When the firmware update begins, the computer will show the following:

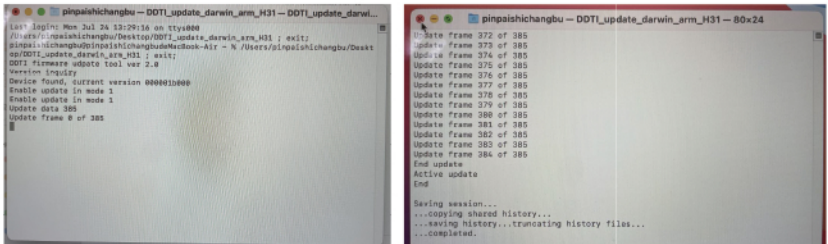


2. If your computer's operating system is ARM Mac, please follow the steps below.

A) Run the update and the DDTi will automatically start the process.

Name	Date modified	Type	Size
DDTiUpdate_darwin_arm64_Hxx	12/11/2024 6:08 AM	File	2,309 KB

B) When the firmware update begins, the computer will show the following:



3. If your computer's operating system is Windows, please follow the steps below.

A) Run the update and the DDTi will automatically start the process.

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DDTI\_v1.0\_Hxx(Windows)

Name	Date modified	Type	Size
DDTI_460_V1.bin	11/27/2024 2:10 PM	BIN File	85 KB
DDTI_460_V1.hex	11/27/2024 1:57 PM	HEX File	237 KB
DDTI_460_V1_all.bin	11/27/2024 2:14 PM	BIN File	241 KB
iap_hc32f460ddti_v0.1.bin	8/26/2022 3:14 PM	BIN File	64 KB
iap_hc32f460ddti_v0.1.hex	8/26/2022 1:30 PM	HEX File	116 KB
readme	6/6/2022 11:25 AM	Text Document	1 KB
update	12/17/2021 5:00 PM	Windows Batch File	1 KB
update	12/17/2021 2:41 PM	Application	2,786 KB

B) When the firmware update begins, the computer will show the following:

```

C:\Windows\system32\cmd.exe
C:\Users\val11_buzonhul\Desktop>DDTI_20211210R_v1_0\update -f DDTI_460_V1.hex
Ver: 1.4
Stage: 0 FileCount: 2
[CMD] OK!
Version: Inactivity
New setup
Version: Inactivity
[12.8.2.274.9]
Version: Inactivity
[DDTI] update in mode 1
  
```

```

update: Frame 91 of 230
update: Frame 92 of 230
update: Frame 93 of 230
update: Frame 94 of 230
update: Frame 95 of 230
update: Frame 96 of 230
update: Frame 97 of 230
update: Frame 98 of 230
update: Frame 99 of 230
update: Frame 100 of 230
update: Frame 101 of 230
update: Frame 102 of 230
update: Frame 103 of 230
update: Frame 104 of 230
update: Frame 105 of 230
update: Frame 106 of 230
update: Frame 107 of 230
update: Frame 108 of 230
update: Frame 109 of 230
update: Frame 110 of 230
update: Frame 111 of 230
update: Frame 112 of 230
update: Frame 113 of 230
update: Frame 114 of 230
update: Frame 115 of 230
update: Frame 116 of 230
update: Frame 117 of 230
update: Frame 118 of 230
update: Frame 119 of 230
update: Frame 120 of 230
update: Frame 121 of 230
  
```

**STEP 6:** Once the DDTI has completed the firmware update, the display will show the following:

