

Dingtian Relay Upgrade Firmware Guide

V3.0

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Firmware format:

Hardware Version: V3.xx.xx ESP32	
ESP32_2ch_v3_1_276.dtf	2 channel firmware version 3.1.276 for V3.xx.xx ESP32 hardware version
ESP32_4ch_v3_1_276.dtf	4 channel firmware version 3.1.276 for V3.xx.xx ESP32 hardware version
ESP32_8ch_v3_1_276.dtf	8 channel firmware version 3.1.276 for V3.xx.xx ESP32 hardware version
ESP32_16ch_v3_1_276.dtf	16 channel firmware version 3.1.276 for V3.xx.xx ESP32 hardware version
ESP32_32ch_v3_1_276.dtf	32 channel firmware version 3.1.276 for V3.xx.xx ESP32 hardware version

If you upgrade the wrong firmware by mistake, please Roll back to previous firmware B.3 Roll Back to previous firmware

Notice:

1 close computer firewall(very important),otherwise nothing can be done.

2 we recommend use ethernet cable do upgrade

3 be sure ethernet and power supply is stable

B ESP32 Upgrade

B.1 Device Image

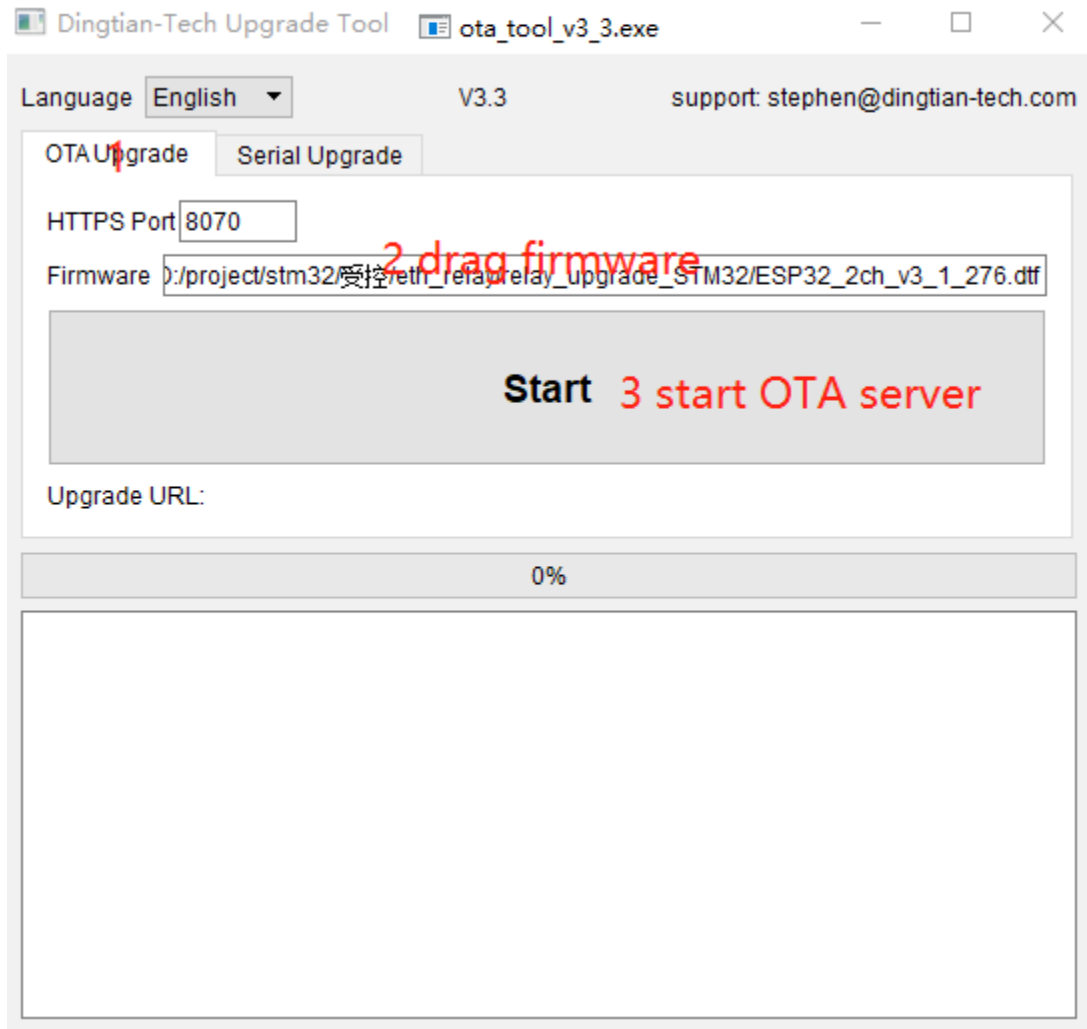
B.2 Upgrade

1 close computer firewall (very important), otherwise nothing can be done.

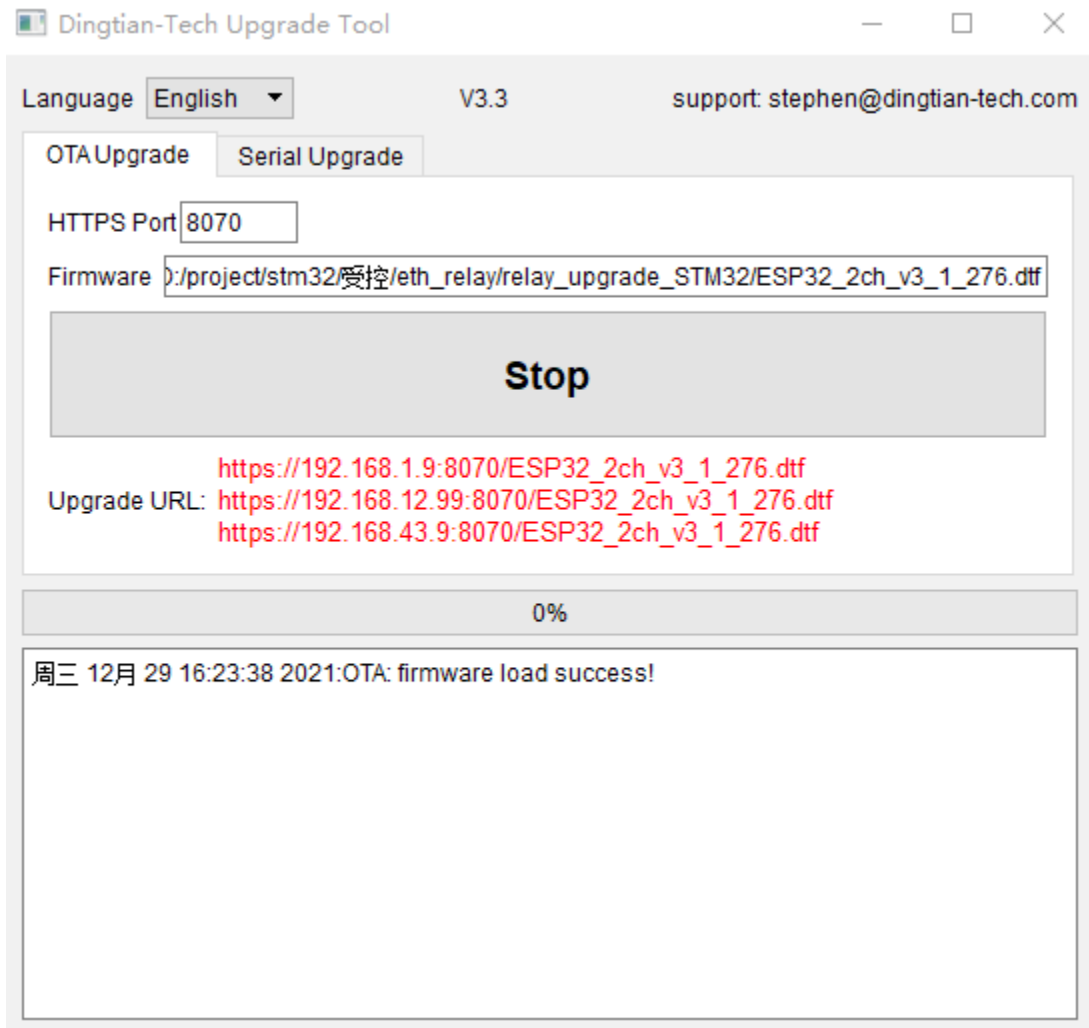
2 we recommend use ethernet cable do upgrade

3 be sure ethernet and power supply is stable

1 Open OTA upgrade tool



2 Start OTA upgrade server



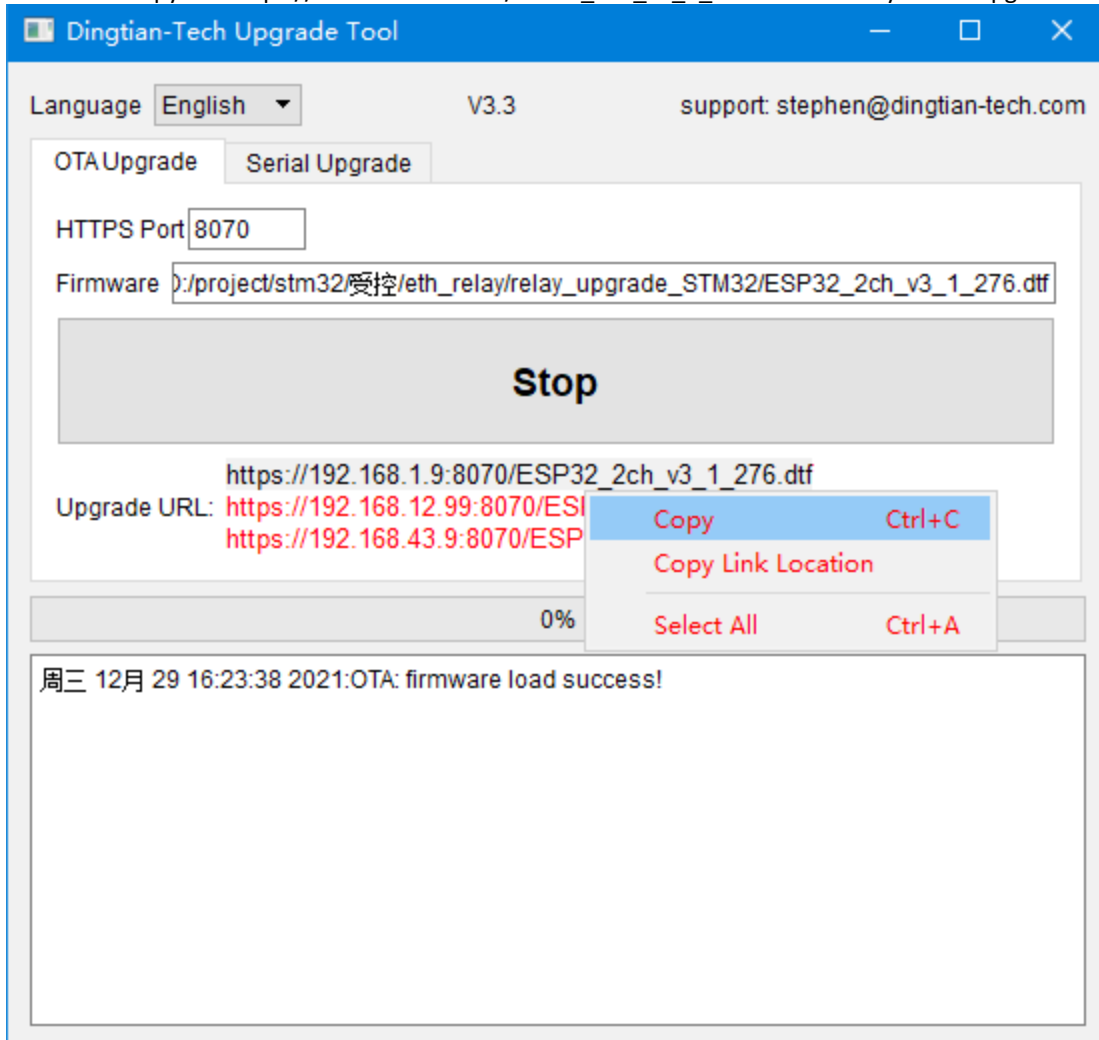
“Upgrade URL” will get all computer network adapter ip to generate Upgrade URL for OTA

3 Copy the URL IP the same segment as Relay Board IP

Example:

relay board IP: 192.168.1.100

so we should copy url "https://192.168.1.9:8070/ESP32_2ch_v3_1_276.dtf" for relay board Upgrade



Dingtian IOT Relay

Menu

- Setting
- Relay Connect
- Relay CGI Test
- Relay Task
- Input
- Input Link Relay
- IP WatchDog
- Reset User
- To Factory
- Upgrade
- Reboot

Setting

Hardware Version	V3.6A
Software Version	V3.1.29A
Build Date	2021-10-17 21:23:22
Model	Dingtian DT-R002
Serial Number	6103
Date Time	1970/1/1 08:18:26
NTP Server	pool.ntp.org
Hostname	Dingtian-Relay6103
Hostname+Suffix	Dingtian-Relay + SN
HTTP or HTTPS	HTTP
HTTP Server Port	80
HTTPS Server Port	443
HTTP Session	Yes
HTTP Magic Session ID	12345678
ETH DHCP	No
ETH IP	192.168.1.100
ETH Netmask	255.255.255.0
ETH Gateway	192.168.1.1
ETH DNS	192.168.1.1
ETH MAC	ba:34:88:00:17:28
STA Enable	No
STA Auth	WPA2
STA DHCP	No
STA IP	192.168.1.97
STA Netmask	255.255.255.0
STA Gateway	192.168.1.1
STA DNS	192.168.1.1
STA MAC	bc:34:88:00:17:28
STA WiFi SSID	
STA WiFi Password	
AP Enable	Yes
AP Hide	No
AP IP	192.168.7.1
AP Netmask	255.255.255.0
AP Gateway	192.168.7.1
AP DNS	192.168.7.1
AP MAC	be:34:88:00:17:28
AP SSID	dtrelay6103
AP Password	dtpassword

4 Go to Relay Board Web page to Upgrade

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Upgrade Firmware

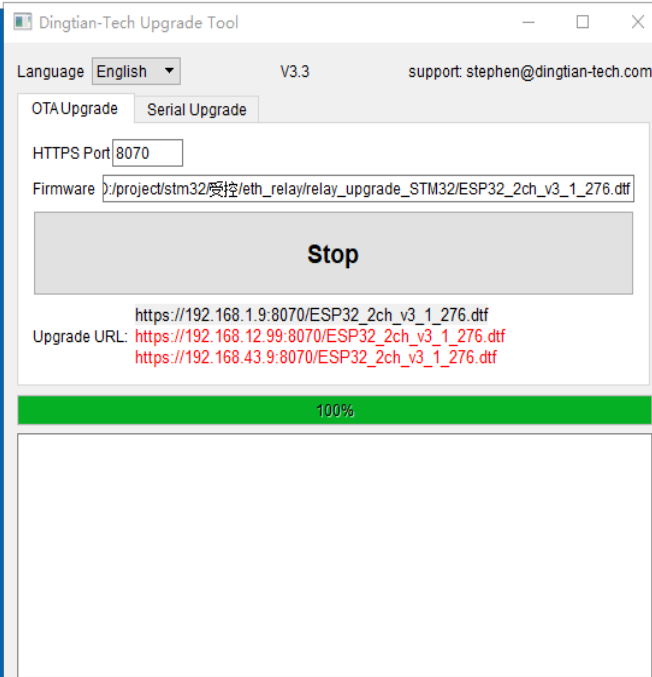
- 1 Upgrade is risky
- 2 Current firmware meet your needs, Upgrade is not recommended
- 3 Power supply must be stable
- 4 Network must be stable(Ethernet is recommended)
- 5 Start crazy expedition

Firmware Full URL: 1 paste URL to here

Upgrade

2 Click "Upgrade" to do upgrade

0%



Upgrading.....

Dingtian IOT Relay

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Setting

Relay Connect

Relay CGI Test

Relay Task

Input

Input Link Relay

IP WatchDog

Reset User

To Factory

Upgrade

Reboot

Upgrade Firmware

- 1 Upgrade is risky
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- 5 Start crazy expedition

Firmware Full URL:

Upgrade

1%

Upgrage..., Please wait,Keep power and network stable!

Dingtian-Tech Upgrade Tool

Language English V3.3 support: stephen@dingtian-tech.com

OTA Upgrade

Serial Upgrade

HTTPS Port

Firmware

Stop

Upgrade URL:
https://192.168.1.9:8070/ESP32_2ch_v3_1_276.dtf
https://192.168.12.99:8070/ESP32_2ch_v3_1_276.dtf
https://192.168.43.9:8070/ESP32_2ch_v3_1_276.dtf

12%

周三 12月 29 16:51:56 2021:OTA: Client:1376 Started Success!

Upgrade success

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Upgrade Firmware

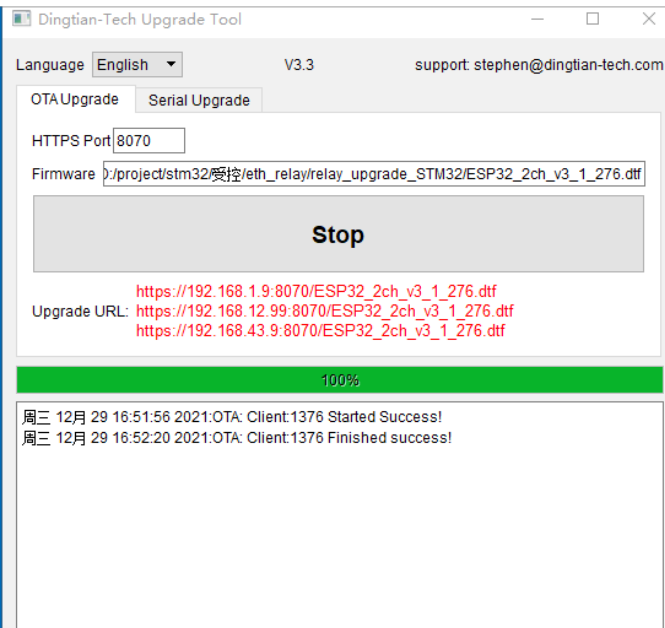
- 1 Upgrade is risky
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- 5 Start crazy expedition

Firmware Full URL:

Upgrade

100%

Upgrade Success! Now Rebooting!



After Upgrade we recommend do a FACTORY,all parameters to initialize.

B.3 Roll Back to previous firmware

Please Step by Step!!!!

- 1 power off
- 2 press "FACTORY" button
- 3 power on(Keep press the "FACTORY" button)
- 4 wait 10 second(Keep press the "FACTORY" button)
- 5 release "FACTORY" button
- 6 the firmware will roll back to previous firmware