

# MatchBox+ Master Plan Converter

## Overview

### Version: 1.0.4

This is an UI app, it support edit/save csv file, and it can convert between `Masterplan.csv` and the `.csv` files (`Init.csv`, `Main.csv`, `Teardown.csv`, `Failure.csv`, `[$Tech].csv`) which will be called in OVL.

## Install

- This app is already included `.py` and `libs`, so you don't need to install any python env or libraries.
- Download the pkg file from [rdar://82782596](https://rdar://82782596), and install it.

If any release, I will upload to this radar.

- **MatchBox+ MasterPlan Converter UI.app** will be under `/Applications/`.
- There is an template located in `/Users/Shared/MatchBox+ MasterPlan template/`. Then you can copy the `/Assets/` folder to any path you want.

### ⚠ Warning

Due to someone's mac don't have the access to edit the file under `/Users/Share/`, please must to copy the templete to other path.

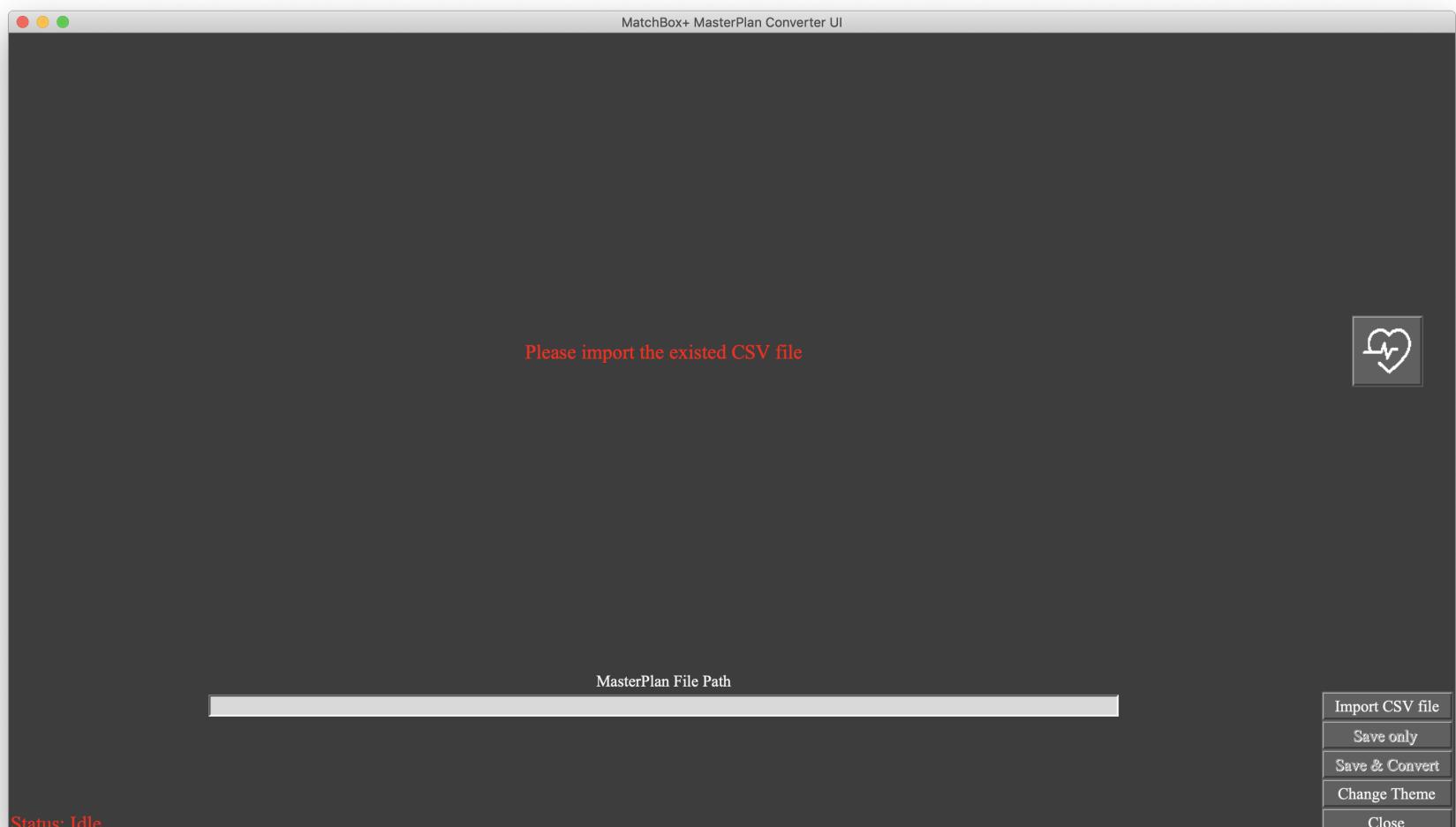
If you don't have the access of that path, the app will not be able to save the file.

### Note

The pre-install in pkg file will chang the `/Users/Share/` access to `777`, but you should still check the access is good.

## How to use the app

- Open the app, of course.



- Use the **Import CSV file** button to select the csv file you want to view or edit.

MatchBox+ MasterPlan Converter UI																
1	Group	TestName	Technology	TestActions	Disable	Production	Audit	Thread	Policy	Loop	Sample	SOF	Condition	Input	Output	Timeout
2	Init	Kill the Tcprelay Init	RFCoex	Common:executeShellCmd	Y											5.0
3		Get Battery Level	RFCoex	Common:send_ADC_command	Y										[BatteryLevel]	5.0
4				Common:executeShellCmd											[BatteryLevel]	
5				Common:createParametricRecord											[BatteryLevel]	
6				Common:executeShellCmd											[BatteryLevel]	
7																
8																
9		Report Station Attributes	Reporting	Common:executeShellCmd											(limitsVersion)	
10				DataReporting:limitsVersion	Y										[serialNumber]	10.0
11				Common:send_ADC_command	Y											
12				DataReporting:primaryIdentity	Y											
13																
14	Main	Delete and Re-create Astro folder	RFCoex	Common:executeShellCmd											[AstroDir]	
15				Common:executeShellCmd												10.0
16				Common:send_ADC_command											[AstroDir]	10.0
17				Common:send_ADC_command												
18		Get DUT USBID	RFCoex	Common:getDeviceTransport	Y										[LocationID]	
19				Tech:grabUSBID											[USBID]	
20																
21		Launch Tcprelay Port	RFCoex	Common:getDeviceIdentifier	Y										[Slot_num]	5.0
22				Common:calculator											[PortOffset]	5.0
23				Common:calculator											[LocalHost]	5.0
24				Common:executeShellCmd												
25																
26		Get config and write into json	RFCoex	Common:executeShellCmd	Y										[cfgJsonPath]	5.0
27				Common:executeShellCmd											[SIP_cfg]	5.0
28				SFC:getAttributes											[config]	5.0
29				SFC:getAttributes											[product]	5.0
30				SFC:getAttributes											[SIP_cfg]	
31				Common:executeShellCmd	Y										[config]	
~				Common:executeShellCmd	Y											

- If you want to edit the csv file, you can use this app like excel/number.

MatchBox+ MasterPlan Converter UI																
1	Group	TestName	Technology	TestActions	Disable	Production	Audit	Thread	Policy	Loop	Sample	SOF	Condition	Input	Output	Timeout
2	Init	Kill the Tcprelay Init	RFCoex	Common:executeShellCmd	Y											5.0
3		Get Battery Level	RFCoex	Common:send_ADC_command	Y										[BatteryLevel]	5.0
4				Common:executeShellCmd											[BatteryLevel]	
5				Common:createParametricRecord											[BatteryLevel]	
6				Common:executeShellCmd											[BatteryLevel]	
7																
8																
9		Report Station Attributes	Reporting	Common:executeShellCmd											(limitsVersion)	
10				DataReporting:limitsVersion	Y										[serialNumber]	10.0
11				Common:send_ADC_command	Y											
12				DataReporting:primaryIdentity	Y											
13																
14	Main	Delete and Re-create Astro folder	RFCoex	Common:executeShellCmd											[AstroDir]	
15				Common:executeShellCmd												10.0
16				Common:send_ADC_command											[AstroDir]	10.0
17				Common:send_ADC_command												
18		Get DUT USBID	RFCoex	Common:getDeviceTransport	Y										[LocationID]	
19				Tech:grabUSBID											[USBID]	
20																
21		Launch Tcprelay Port	RFCoex	Common:getDeviceIdentifier	Y										[Slot_num]	5.0
22				Common:calculator											[PortOffset]	5.0
23				Common:calculator											[LocalHost]	5.0
24				Common:executeShellCmd												
25																
26		Get config and write into json	RFCoex	Common:executeShellCmd	Y										[cfgJsonPath]	5.0
27				Common:executeShellCmd											[SIP_cfg]	5.0
28				SFC:getAttributes											[config]	5.0
29				SFC:getAttributes											[product]	5.0
30				SFC:getAttributes											[SIP_cfg]	
31				Common:executeShellCmd	Y										[config]	
~				Common:executeShellCmd	Y											

- After editing, you only need to click the **Save only** or **Save&Convert** button.

MatchBox+ MasterPlan Converter UI																
1	Group	TestName	Technology	TestActions	Disable	Production	Audit	Thread	Policy	Loop	Sample	SOF	Condition	Input	Output	Timeout
2	Init	Kill the Tcprelay Init	RFCoex	Common:executeShellCmd		Y										5.0
3		Get Battery Level	RFCoex	Common:send_ADC_command			Y									[BatteryLevel]
4				Common:executeShellCmd												[BatteryLevel]
5				Common:createParametricRecord												
6				Common:executeShellCmd												
7																
8																
9		Report Station Attributes	Reporting													(limitsVersion)
10				Common:executeShellCmd												
11				DataReporting:limitsVersion		Y										
12				Common:send_ADC_command			Y									[serialNumber] 10.0
13				DataReporting:primaryIdentity				Y								
14	Main	Delete and Re-create Astro folder	RFCoex													
15				Common:executeShellCmd												[AstroDir]
16				Common:send_ADC_command												10.0
17				Common:send_ADC_command												10.0
18		Get DUT USBID	RFCoex													
19				Common:getDeviceTransport												[LocationID]
20				Tech:grabUSBID												[USBID]
21		Launch Tcprelay Port	RFCoex													
22				Common:getDeviceIdentifier												[Slot_num] 5.0
23				Common:calculator												[PortOffset] 5.0
24				Common:calculator												[LocalHost] 5.0
25				Common:executeShellCmd												[PortOffset],[USBID]
26		Get config and write into json	RFCoex													
27				Common:executeShellCmd												[cfgJsonPath] 5.0
28				SFC:getAttributes												[SIP_cfg] 5.0
29				SFC:getAttributes												[config] 5.0
30				SFC:getAttributes												[product] 5.0
31				Common:executeShellCmd		Y										[SIP_cfg]
				Common:executeShellCmd												[config]

MatchBox+ MasterPlan Converter UI																
1	Group	TestName	Technology	TestActions	Disable	Production	Audit	Thread	Policy	Loop	Sample	SOF	Condition	Input	Output	Timeout
2	Init	Kill the Tcprelay Init	RFCoex	Common:executeShellCmd		Y										5.0
3		Get Battery Level	RFCoex	Common:send_ADC_command			Y									
4				Common:executeShellCmd												[BatteryLevel]
5				Common:createParametricRecord												[BatteryLevel]
6				Common:executeShellCmd												
7																
8																
9		Report Station Attributes	Reporting													(limitsVersion)
10				Common:executeShellCmd												
11				DataReporting:limitsVersion		Y										
12				Common:send_ADC_command			Y									[serialNumber] 10.0
13				DataReporting:primaryIdentity				Y								
14	Main	Delete and Re-create Astro folder	RFCoex													
15				Common:executeShellCmd												[AstroDir]
16				Common:send_ADC_command												10.0
17				Common:send_ADC_command												10.0
18		Get DUT USBID	RFCoex													
19				Common:getDeviceTransport												[LocationID]
20				Tech:grabUSBID												[USBID]
21		Launch Tcprelay Port	RFCoex													
22				Common:getDeviceIdentifier												[Slot_num] 5.0
23				Common:calculator												[PortOffset] 5.0
24				Common:calculator												[LocalHost] 5.0
25				Common:executeShellCmd												[PortOffset],[USBID]
26		Get config and write into json	RFCoex													
27				Common:executeShellCmd												[cfgJsonPath] 5.0
28				SFC:getAttributes												[SIP_cfg] 5.0
29				SFC:getAttributes												[config] 5.0
30				SFC:getAttributes												[product] 5.0
31				Common:executeShellCmd		Y										[SIP_cfg]
				Common:executeShellCmd												[config]

### Note

If you import not **MasterPlan.csv** file, the **Save&Convert** button will be disable.

**Save only Button:** it only save/overwrite the original csv file.

**Save&Convert:** it will save/overwrite the **MasterPlan.csv** and convert the **Masterplan.csv** to **\*\*Init.csv**, **Main.csv**,

**Teardown.csv**, **[\$Tech].csv** (**under /Tech/** \*\* folder)

- If you want to close the app you have the two way to left.

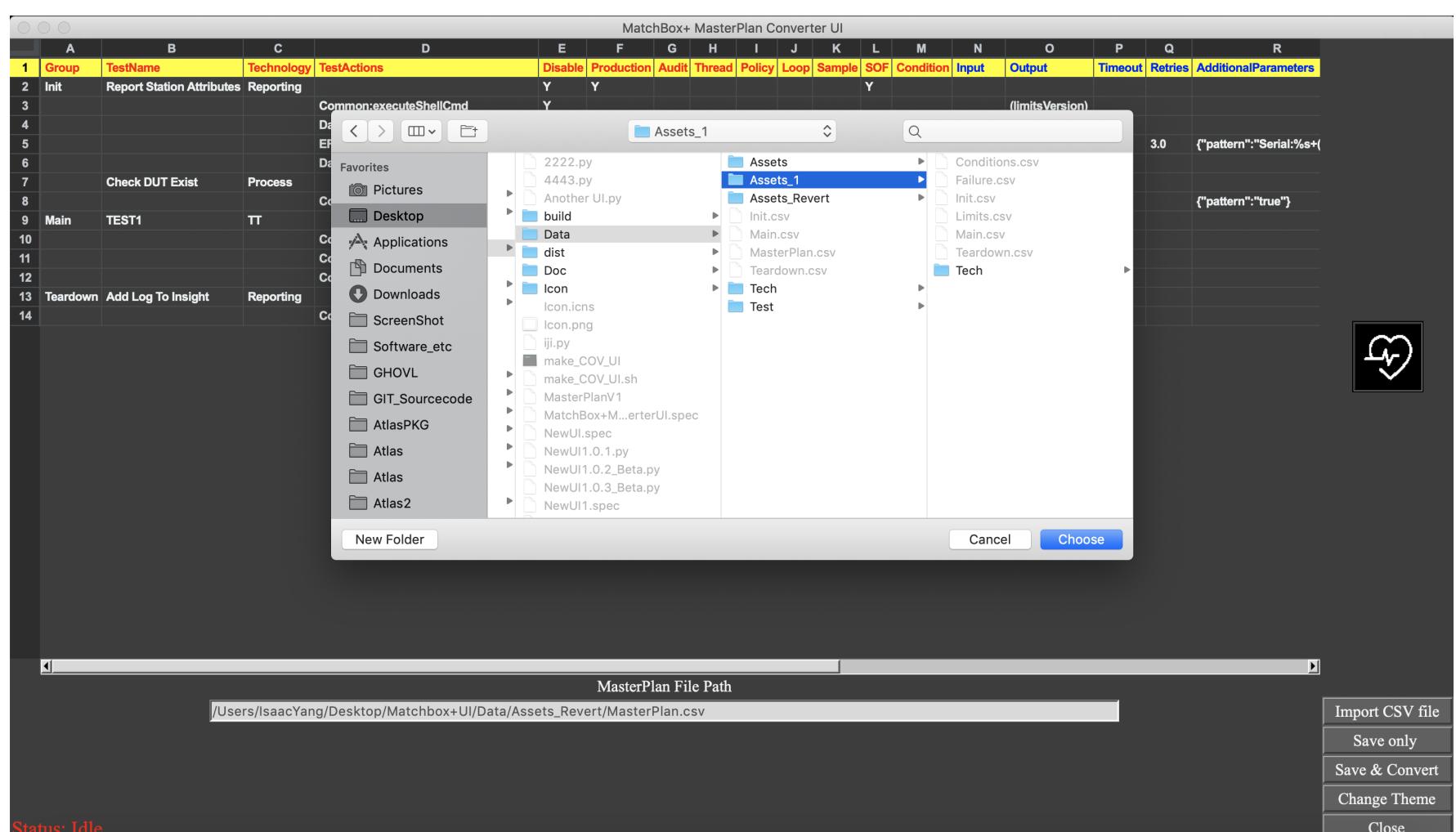
1. Using the **Close**button.(Bottom right corner)



2. Using the **x** button the app original way. (Upper left corner)



- If you want convert the `Init.csv`, `Main.csv`, `Teardown.csv`, `Failure.csv`, and `[$Tech].csv` to `Masterplan.csv`, clicking the icon button, and choose the `Main.csv` (or `[$Prefix]Main.csv`). Then it will convert to `Masterplan.csv` and show this on UI.



MatchBox+ MasterPlan Converter UI

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	Group	TestName	Technology	TestActions	Disable	Production	Audit	Thread	Policy	Loop	Sample	SOF	Condition	Input	Output	Timeout	Retries	AdditionalParameters
2	Init	Report Station Attributes	Reporting		Y	Y							Y					
3				Common:executeShellCmd	Y											(limitsVersion)		
4				DataReporting:limitsVersion														
5				EFI_Dut:send												[serialNumber]	10.0	3.0
6				DataReporting:primaryIdentity												{"pattern":"Serial:%s+"}		
7		Check DUT Exist	Process			Y												
8				Common:checkDUTChannelExist												5.0		{"pattern":"true"}
9	Main	TEST1	TT			Y										(S1)	10.0	
10				Common:executeShellCmd												(S2)		
11				Common:executeShellCmd														
12				Common:calculator												(S1),(S2)		
13	Teardown	Add Log To Insight	Reporting			Y								Y				
14				Common:addUserLogToSystemArchive														



MasterPlan File Path  
/Users/IsaacYang/Desktop/Matchbox+UI/Data/Assets\_1/MasterPlan.csv

Import CSV file  
Save only  
Save & Convert  
Change Theme  
Close

Status: Idle

Assets\_1

喜好項目

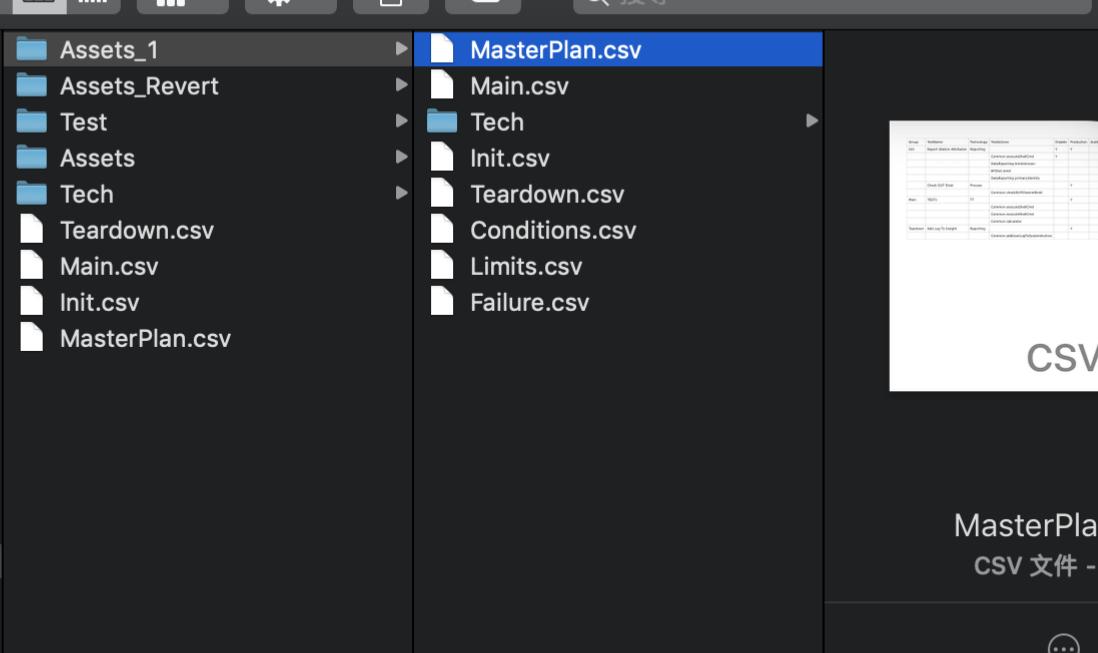
- 圖片
- AirDrop
- 桌面
- 應用程式
- 文件
- 下載項目
- ScreenShot
- Software\_etc
- GHOVL
- GIT\_Sourcecode
- AtlasPKG
- Atlas
- Atlas

已選取 1 個項目 (共 8 個) , 657.85 GB 可用

CSV

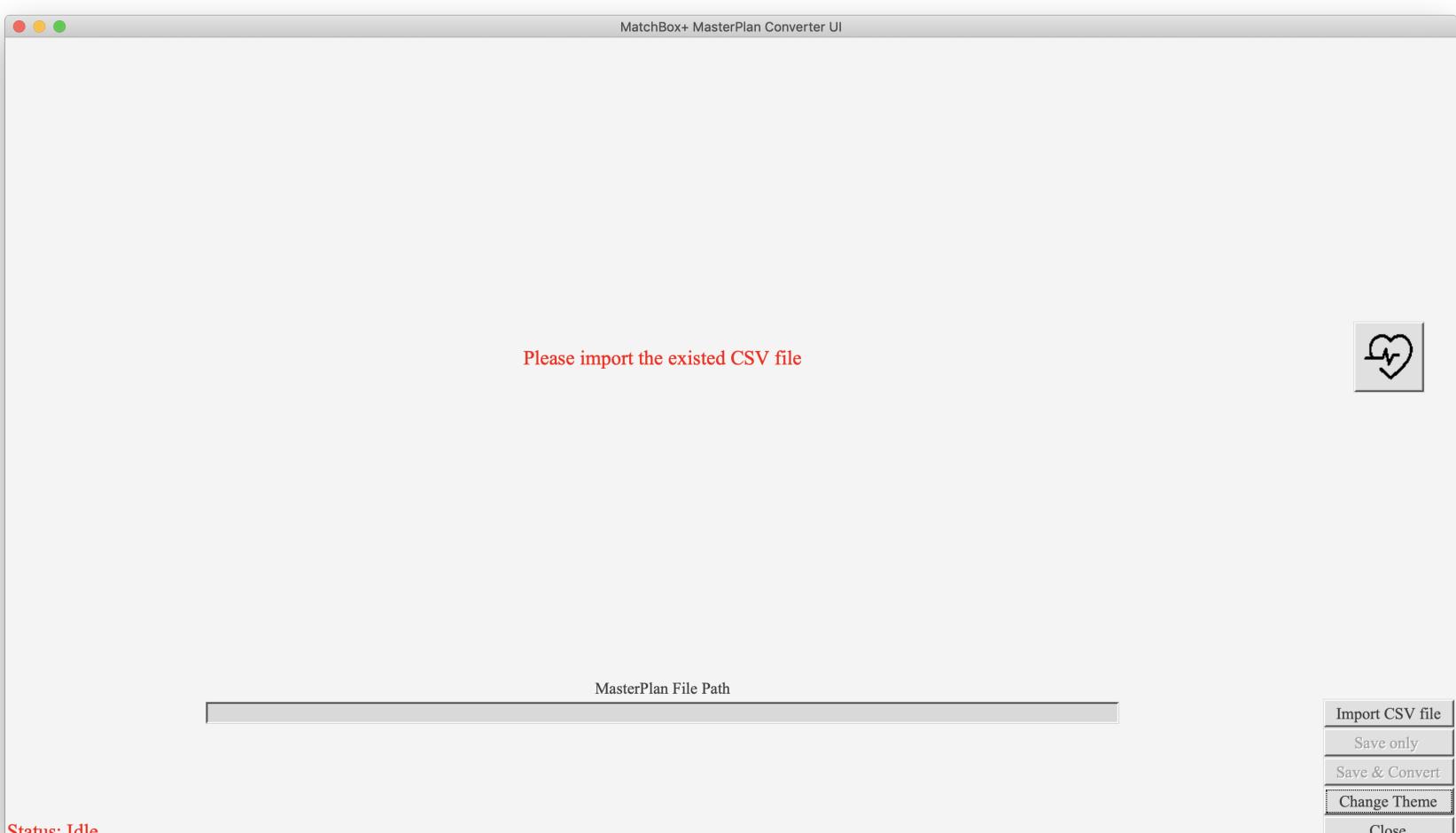
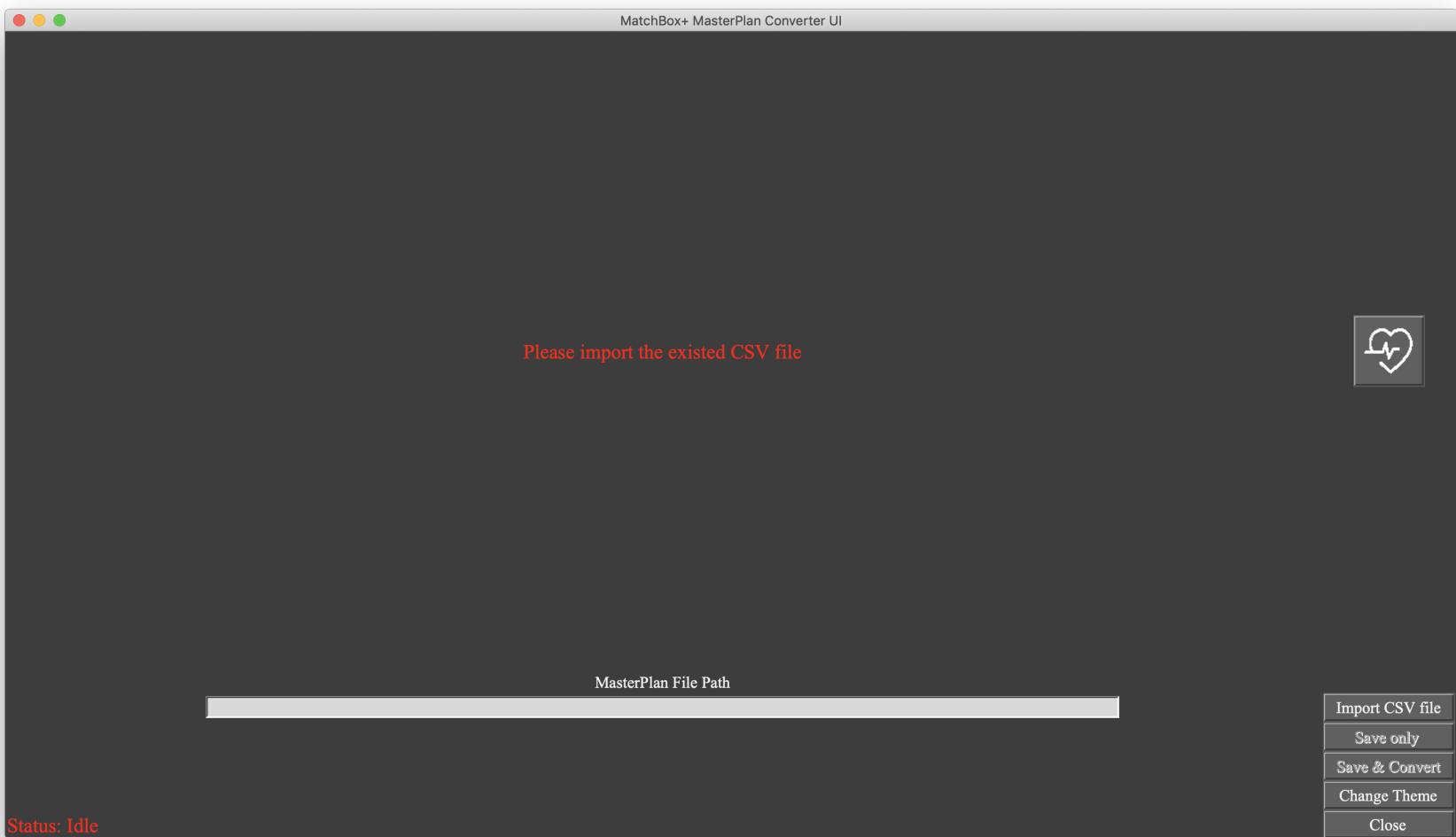
MasterPlan CSV 文件 - 1

更多...



## Others

- There is two (light/dark) theme in this app. Depend on which theme you like, you can click the **Change Theme** button to switch it, and the default is dark.



#### By the way:

There is a document of **Atlas2-MatchBox** which Jean optimize the structure (the following will call **MatchBox+**) contained in this pkg.

The **MatchBox+Doc** is under `/Users/Shared/`, and this is only the template.

You also can check it, but there is only few things in that document.

It is the `.html`, and you only need to double click the `MatchBox+.html`.

The screenshot shows a web-based documentation interface for 'MatchBox+'. The top navigation bar is orange with the title 'MatchBox+' and a search bar. On the left, there's a sidebar with links to 'MatchBox+', 'Overview', 'Detection', and 'Version History List'. The main content area has a dark background. It starts with an 'Overview' section, followed by 'What is Matchbox+?' which includes text about its structure and conveniences. Then it moves to 'Why should we use the Matchbox+?' with points about structure, convenience, and function execution. At the bottom right, there are 'Next' and 'Detection' buttons with arrows, and a copyright notice at the bottom: 'Copyright © 2021, Luxshare-ICT HSSW Isaac Yang, All Rights Reserved'.

## Version History

- V1.0.0 :
  1. This is the beta version.
- V1.0.1:
  1. Fix missing test action bug, during converting to `Init.csv`, `Main.csv`, `Teardown.csv`
  2. Add the Status at the bottom left corner of this app
    - `Idle`, `Saving`, `Converting`, `done`
- V1.0.2\_Beta:
  1. Fix the right clicking the row to choose the Insert row below bug. (Upgrade the `tksheet` from 5.0.30 to 5.0.32)
  2. Fix the duplicate `TestName` (all test actions) in `[$Tech].csv` bug.  
When you use the same `TestName` in the same `[$Tech].csv`, it will only show once and will be the first `TestName`'s actions' in `MasterPlan.csv`.
  3. Support different `MasterPlan.csv` to convert to the same `Init.csv`, `Teardown.csv`, but different `Main.csv` (ie `$Prefix-Main.csv`, this `$Prefix-` is grab from the `MasterPlan.csv` file's prefix.)  
And the `[$Tech].csv` will be updated not overwrite any more.
  4. Make the UI smoother when changing the theme.
- V1.0.3\_Beta
  1. Add the convert the `Init.csv`, `Main.csv`, `Teardown.csv`, `[$Tech].csv` to `Masterplan.csv` function.
- V1.0.4
  1. Support the `Failure` group in `Masterplan.csv`, and also can be converted or reverted to this.
  2. Support the different `Main` group which will be used in the OVL to convert or revert to `Masterplan.csv`. (ie. `Main.csv` ⇔ `Masterplan.csv`, `CAL-Main.csv` ⇔ `CAL-Masterplan.csv`, `GRR_Main.csv` ⇔ `GRR_Masterplan.csv` etc.)