

# MatchBox+ Master Plan Converter

## Overview

### Version: 1.0.3\_Beta

This is an UI app, it support edit/save csv file, and it also can convert `Masterplan.csv` to `Init.csv`, `Main.csv`, `Teardown.csv`, `[$Tech].csv`.

## 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.

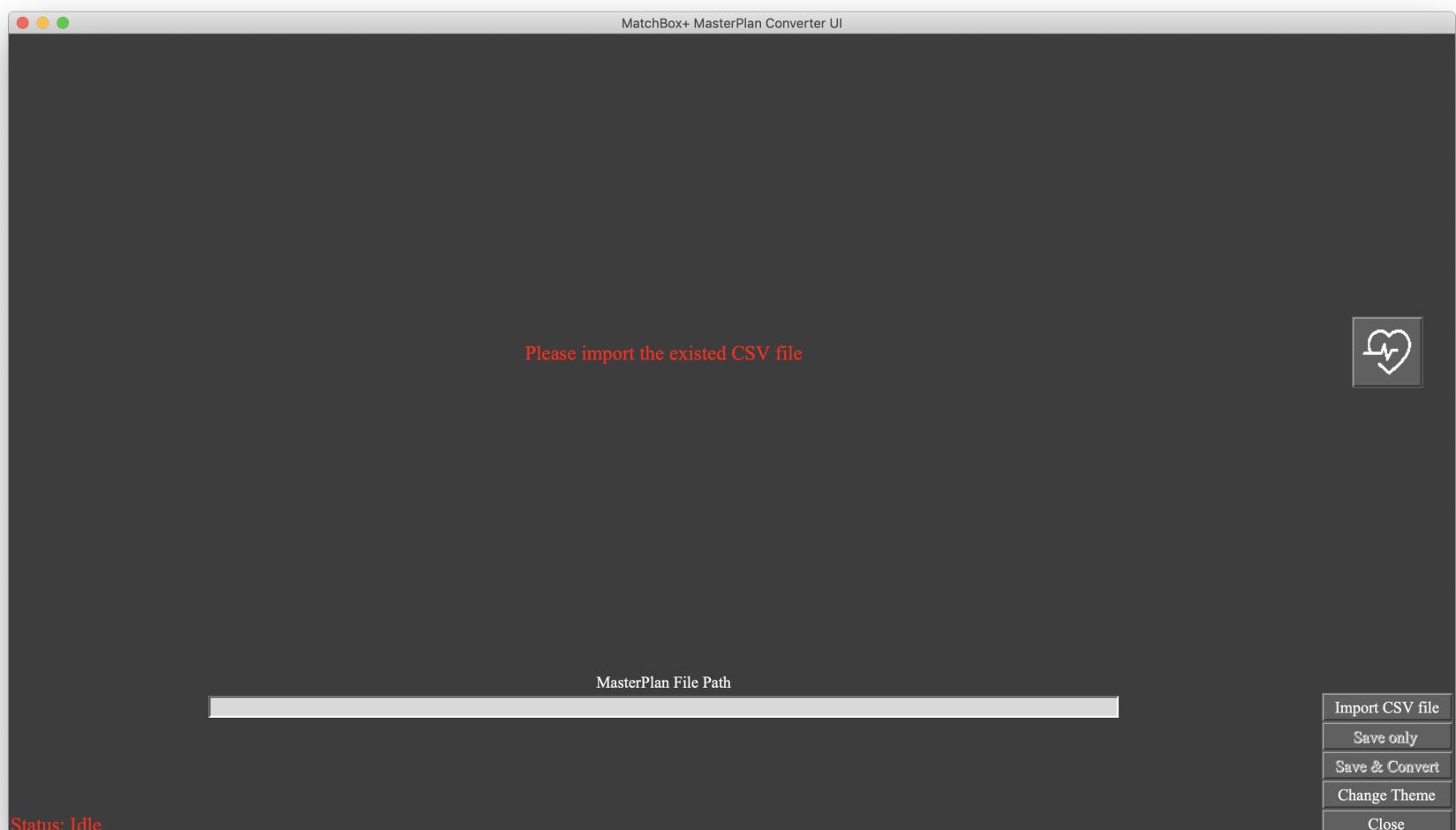
- **MatchBox+ MasterPlan Converter UI.app** will be under `/Applications/`.
- There is an template located in `/Users/Shared/MatchBox+ MasterPlan template/`. Then you can copy the `/Assets/` folder to any path you want.

**⚠ Warning**

Due to someone's mac don't have the access to edit the file under `/Users/Share/`, please must to copy the template to other path.  
If you don't have the access of that path, the app will not be able to save the file.

## 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		Report Station Attributes	Reporting													
9				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												[AstroDir]	
15				Common:executeShellCmd												
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	Y										[config]	

- 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		Report Station Attributes	Reporting	Common:executeShellCmd	Y										(limitsVersion)	
7				Common:executeShellCmd												
8				DataReporting:limitsVersion	Y										[serialNumber]	10.0
9				Common:send_ADC_command	Y											
10				DataReporting:primaryIdentity	Y											
11																
12																
13																
14	Main	Delete and Re-create Astro folder	RFCoex												[AstroDir]	
15				Common:executeShellCmd												
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												[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]	5.0
4				Common:executeShellCmd											[BatteryLevel]	
5				Common:createParametricRecord											[BatteryLevel]	
6				Common:executeShellCmd											[BatteryLevel]	
7																
8																
9		Report Station Attributes	Reporting			Y									(limitsVersion)	
10				Common:executeShellCmd												
11				DataReporting:limitsVersion	Y										[serialNumber]	10.0
12				Common:send_ADC_command	Y											
13				DataReporting:primaryIdentity	Y											
14	Main	Delete and Re-create Astro folder	RFCoex			Y									[AstroDir]	
15				Common:executeShellCmd												
16				Common:send_ADC_command												10.0
17				Common:send_ADC_command												10.0
18		Get DUT USBID	RFCoex			Y										
19				Common:getDeviceTransport											[LocationID]	
20				Tech:grabUSBID											[USBID]	
21		Launch Tcprelay Port	RFCoex			Y	1a									
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			Y	1b									
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	Y										[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										[BatteryLevel]	5.0
4				Common:executeShellCmd											[BatteryLevel]	
5				Common:createParametricRecord											[BatteryLevel]	
6				Common:executeShellCmd											[BatteryLevel]	
7																
8		Report Station Attributes	Reporting			Y									(limitsVersion)	
9				Common:executeShellCmd												
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			Y									[AstroDir]	
15				Common:executeShellCmd												
16				Common:send_ADC_command												10.0
17				Common:send_ADC_command												10.0
18		Get DUT USBID	RFCoex			Y										
19				Common:getDeviceTransport											[LocationID]	
20				Tech:grabUSBID											[USBID]	
21		Launch Tcprelay Port	RFCoex			Y	1a								[Slot_num]	5.0
22				Common:getDeviceIdentifier											[PortOffset]	5.0
23				Common:calculator											[LocalHost]	5.0
24				Common:calculator											[PortOffset],[USBID]	
25				Common:executeShellCmd												
26		Get config and write into json	RFCoex			Y	1b								[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											

### 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.

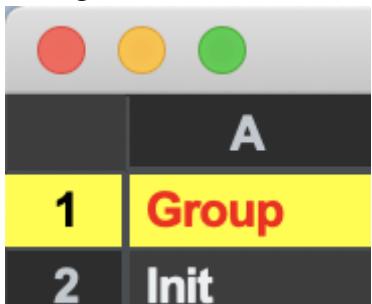
**Save&Convert:** it will save/overwrite the **MasterPlan.csv** and convert the **Masterplan.csv** to **\*\*Init.csv**, **Main.csv**, **Teardown.csv**, **[\$Tech].csv** (**under /Tech/ \*\* folder**)

- 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`, `[$Tech].csv` to `Masterplan.csv`, clicking the icon button, and choose the `.../Assets/` folder. 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	Common:executeShellCmd	Y	Y												
3																		(limitsVersion)
4																		
5																		
6																		
7		Check DUT Exist	Process	Common:executeShellCmd														
8																		
9	Main	TEST1	TT	Common:executeShellCmd														
10																		
11																		
12																		
13	Teardown	Add Log To Insight	Reporting	Common:executeShellCmd														
14																		

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

Status: Idle

Import CSV file  
Save only  
Save & Convert  
Change Theme  
Close

MatchBox+ MasterPlan Converter UI

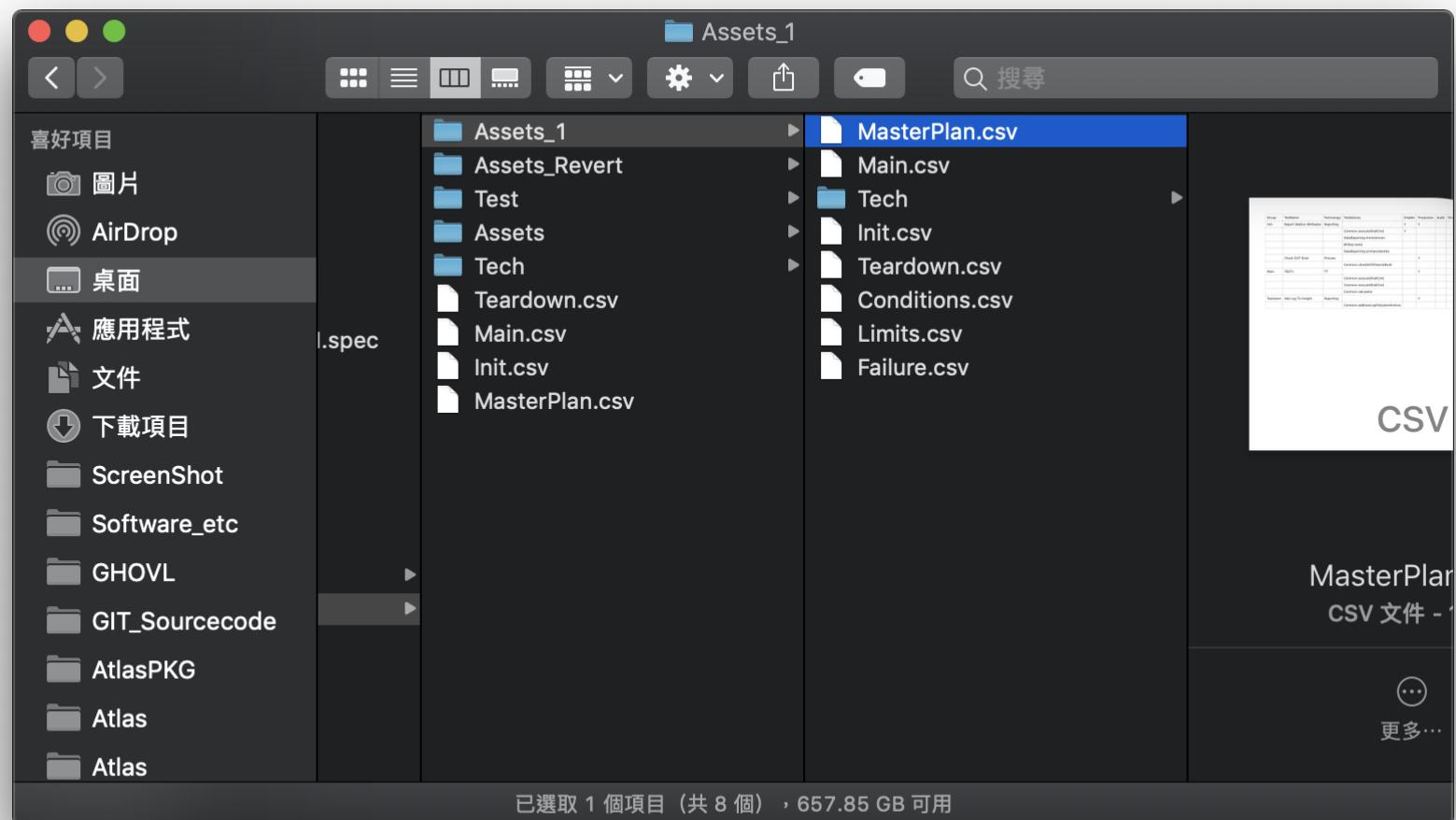
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	Group	TestName	Technology	TestActions	Disable	Production	Audit	Thread	Policy	Loop	Sample	SOF	Condition	Input	Output	Timeout	Retries	AdditionalParameters
2	Init	Report Station Attributes	Reporting		Y	Y							Y					
3				Common:executeShellCmd	Y											(limitsVersion)		
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

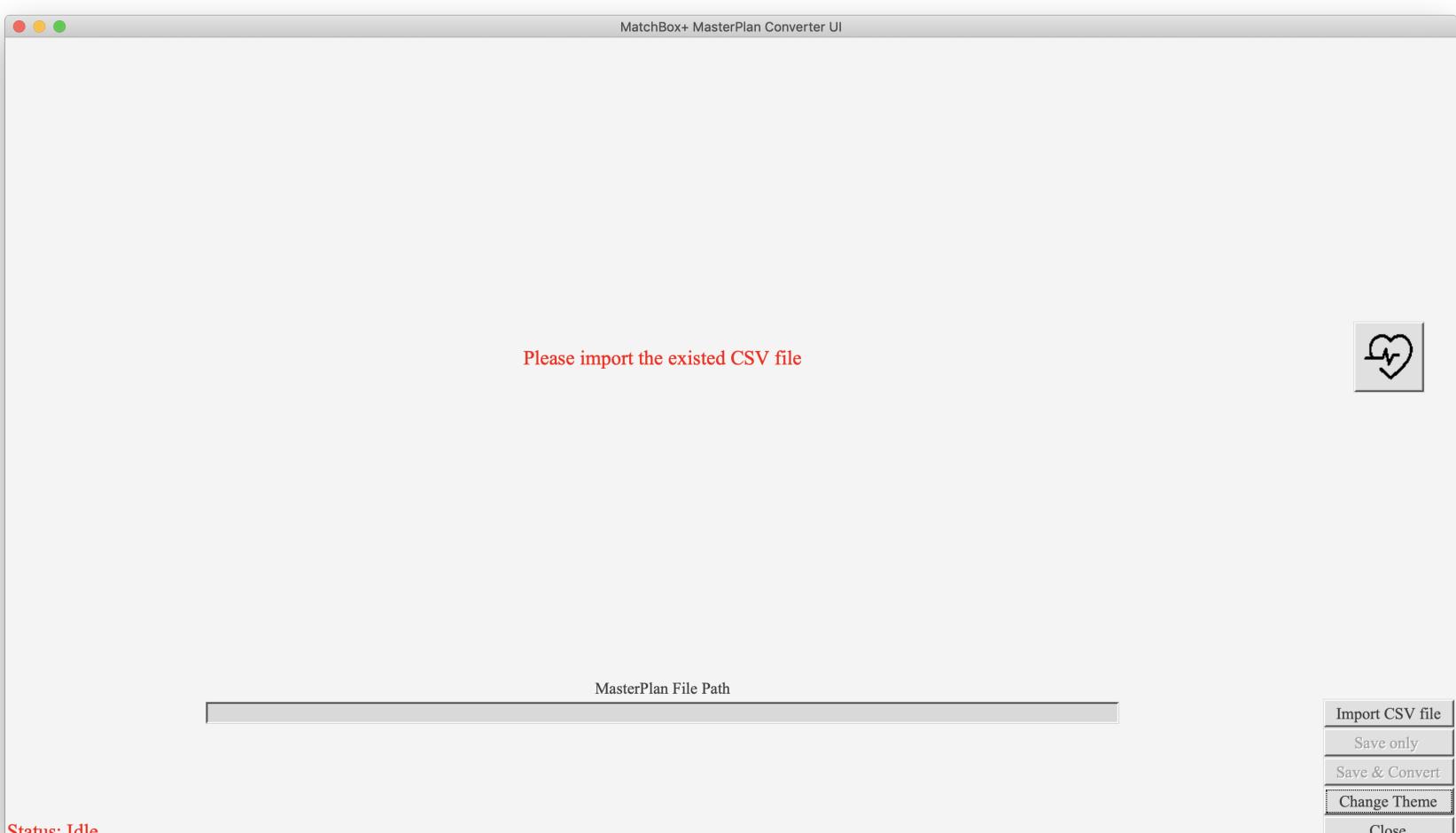
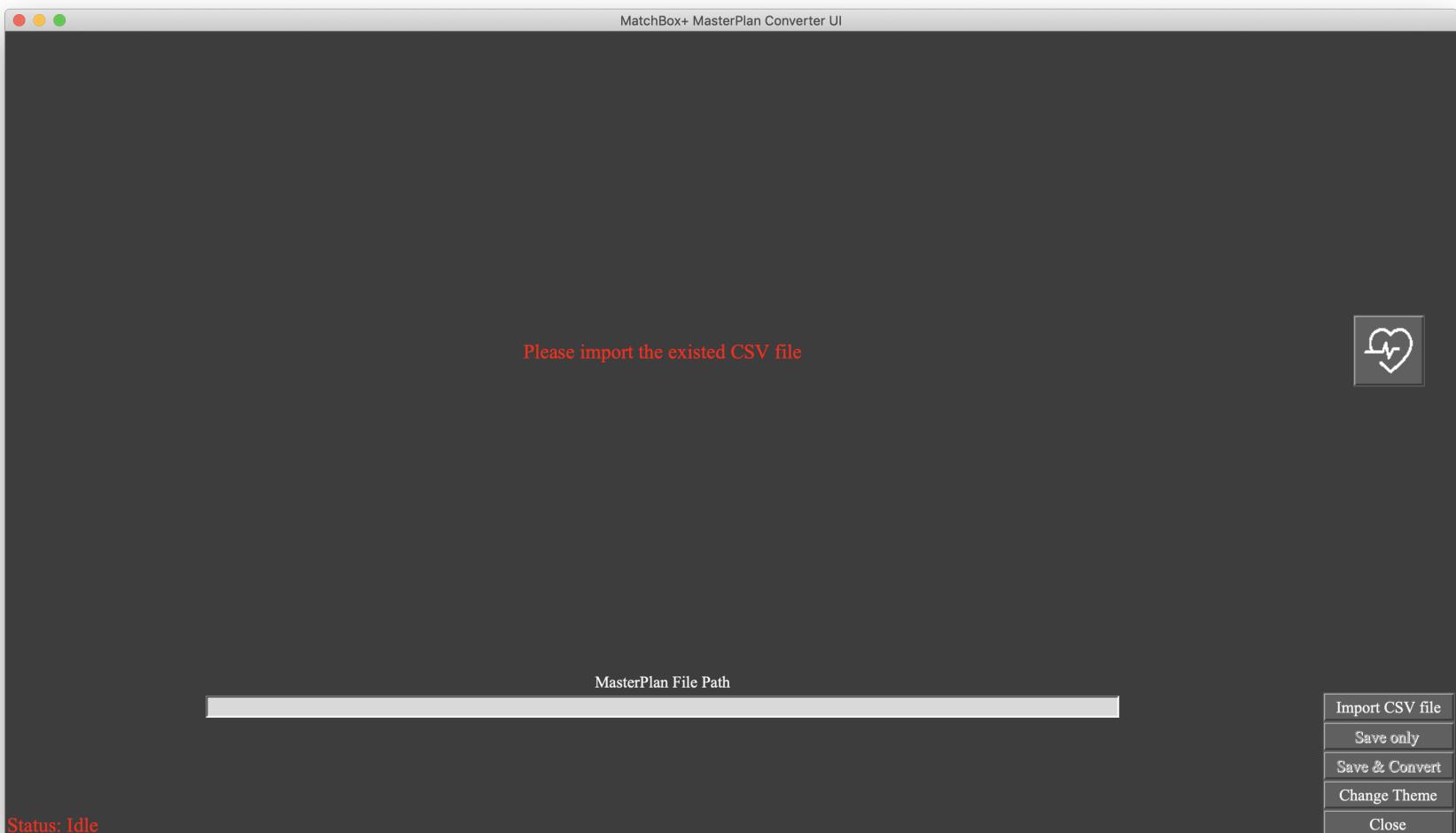
Import CSV file  
Save only  
Save & Convert  
Change Theme  
Close

Status: Idle



## Others

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



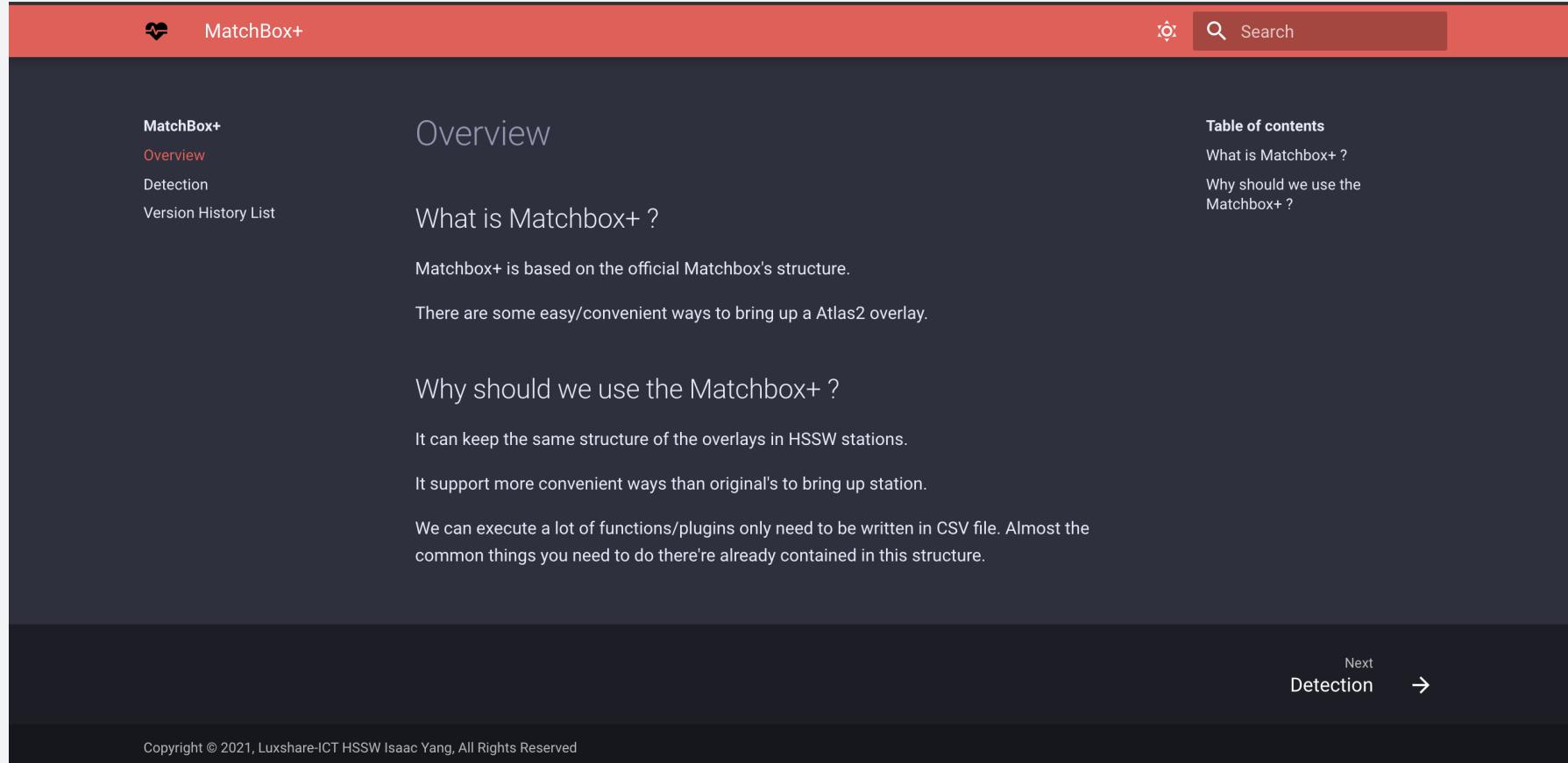
### By the way:

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 dark-themed web page for 'MatchBox+'. At the top, there's a red header bar with the 'MatchBox+' logo and a search bar. On the left, a sidebar menu includes 'MatchBox+', 'Overview' (which is highlighted in orange), 'Detection', and 'Version History List'. The main content area has a title 'Overview' and a sub-section 'What is Matchbox+ ?'. It contains text about Matchbox+ being based on the official Matchbox's structure and providing easy/convenient ways to bring up an Atlas2 overlay. Another section, 'Why should we use the Matchbox+ ?', discusses keeping the same overlay structure in HSSW stations, supporting more convenient ways than originals, and executing functions/plugins via CSV files. Navigation links at the bottom right include 'Next' and 'Detection'.

## 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.