

How to use VirtualBox and Control software

2023/09/25

The Control software is a Ubuntu server, so it needs to work on a virtual server when using the Windows system.

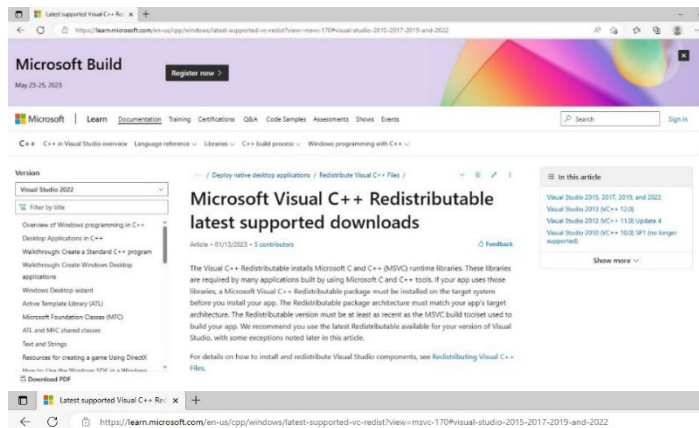
	Minimum Requirements
Operating System	Windows® 10/11 64-bit
Processor	Intel Core i5-6400, 2.7GHz
Memory	8 GB RAM
Storage	100 GB available HD space

1. Please go to Oracle VM VirtualBox to download the VirtualBox software.

windows hosts



2. Please go to Microsoft to download Microsoft Visual C++ Redistributable x64 version



Architecture	Link	Notes
ARM64	https://aka.ms/vs/17/release/vc_redist.arm64.exe	Permalink for latest supported ARM64 version
x86	https://aka.ms/vs/17/release/vc_redist.x86.exe	Permalink for latest supported x86 version
x64	https://aka.ms/vs/17/release/vc_redist.x64.exe	Permalink for latest supported x64 version. The X64 Redistributable package contains both ARM64 and X64 binaries. This package makes it easy to install required Visual C++ ARM64 binaries when the X64 Redistributable is installed on an ARM64 device.

3. Please go to SIIG download the Control software
Manuals

04-1391a1.pdf	Download manual
control_software_instruction.pdf	Download manual




Drivers

Hardware Version: 1

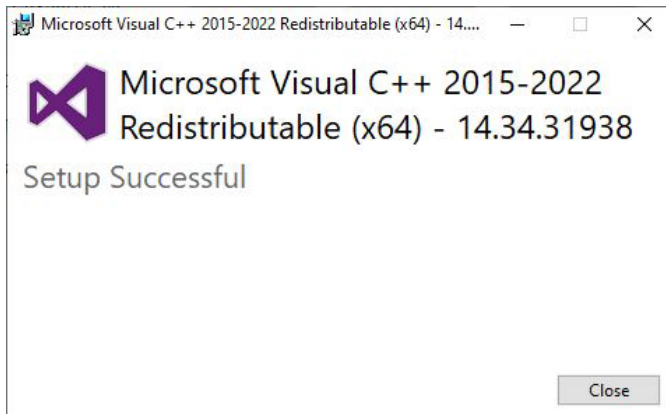
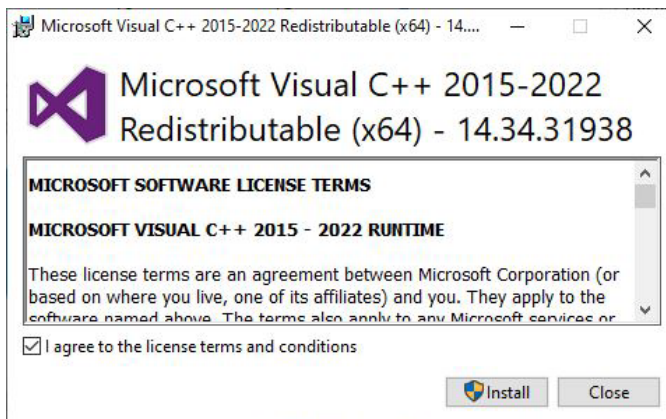
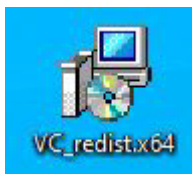
Windows 10 (32-/64-bit) / 11 (32-/64-bit)	Download Control software
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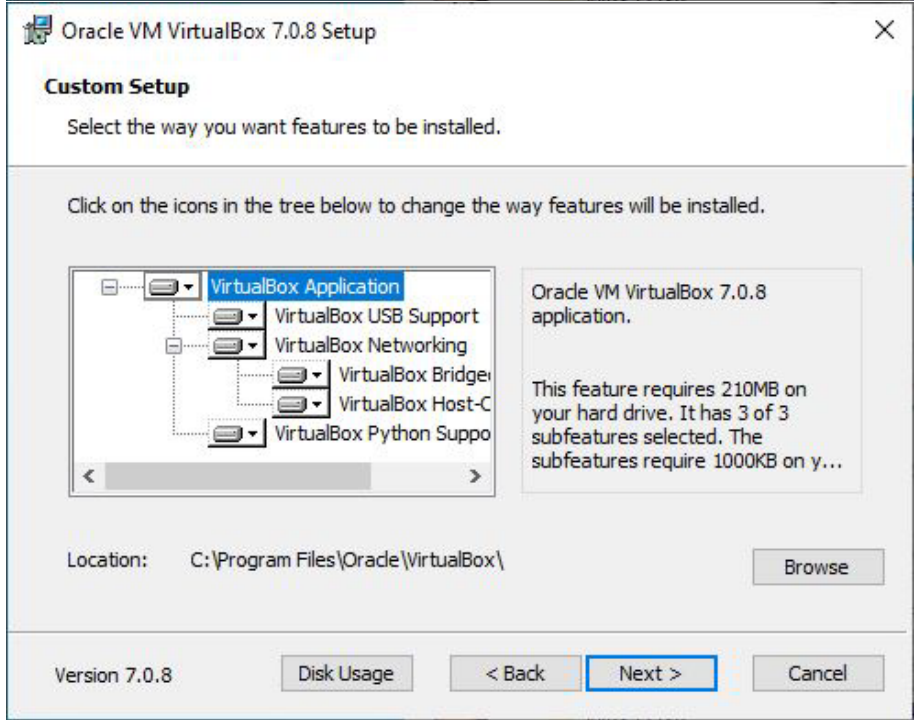
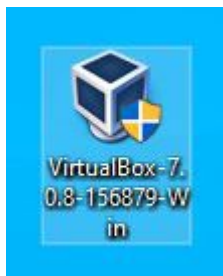
[Where to Buy](#) [Driver & Manuals](#)

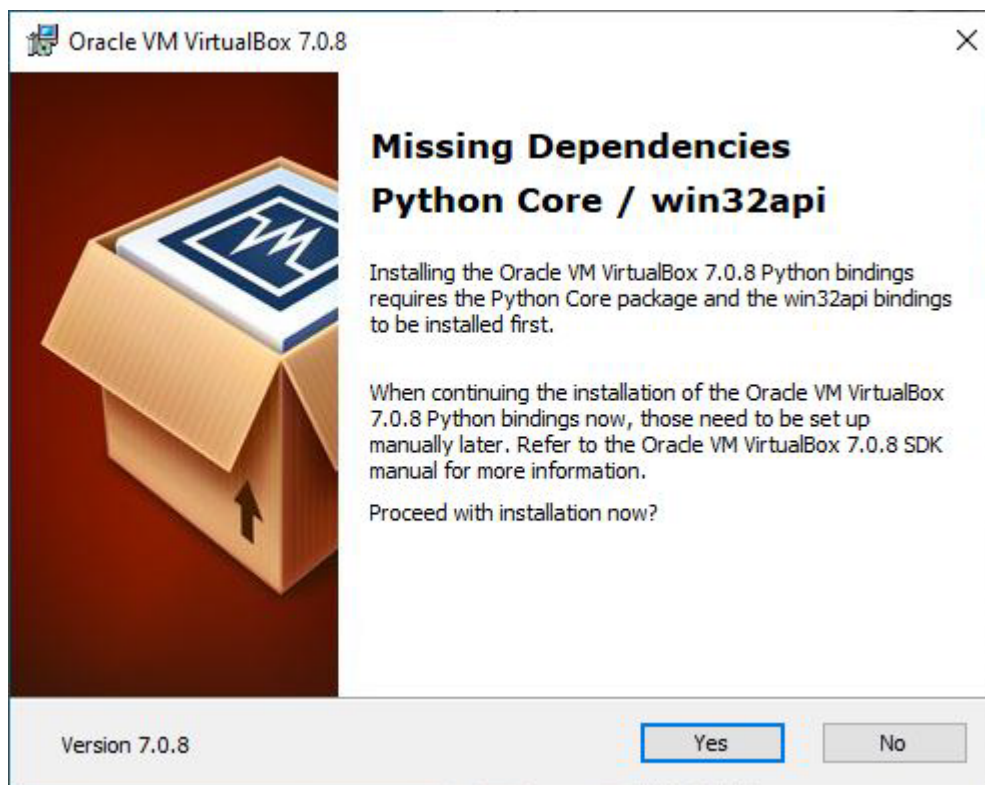
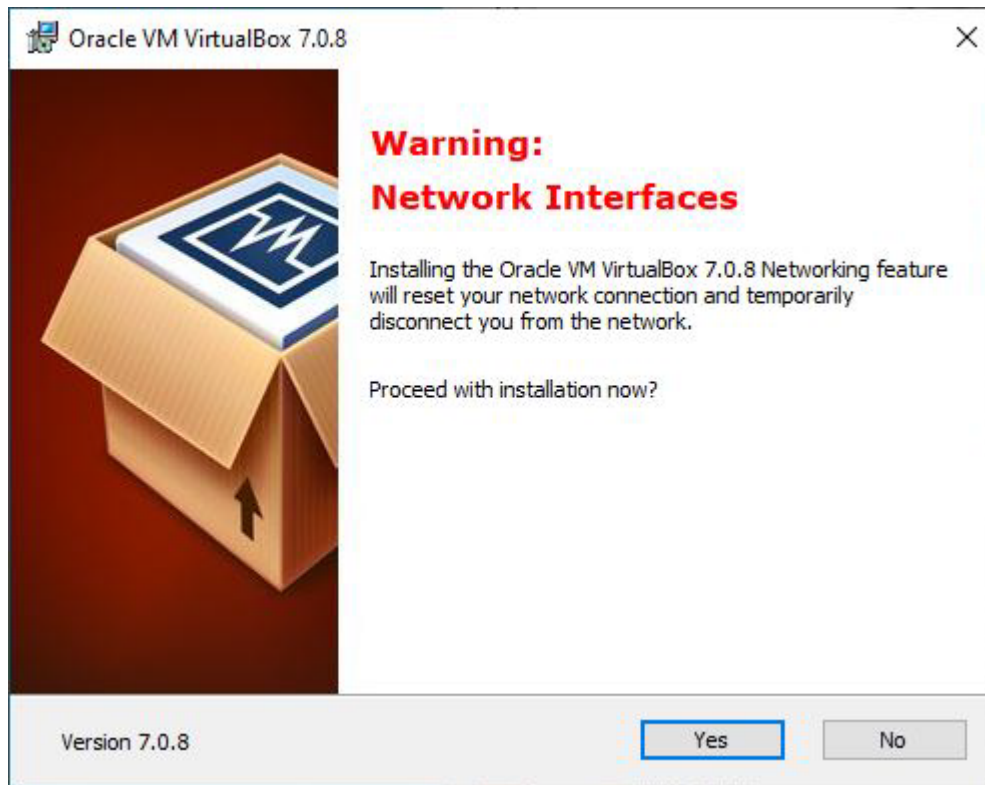
About SIIG 	IT Products <ul style="list-style-type: none">> Serial/Parallel> Industrial I/O> Device Servers	AV Products <ul style="list-style-type: none">> Pro AV> Video & Display> Converters/Scalers	Company Info <ul style="list-style-type: none"> 31038 Huntwood Ave Hayward, CA Call Us
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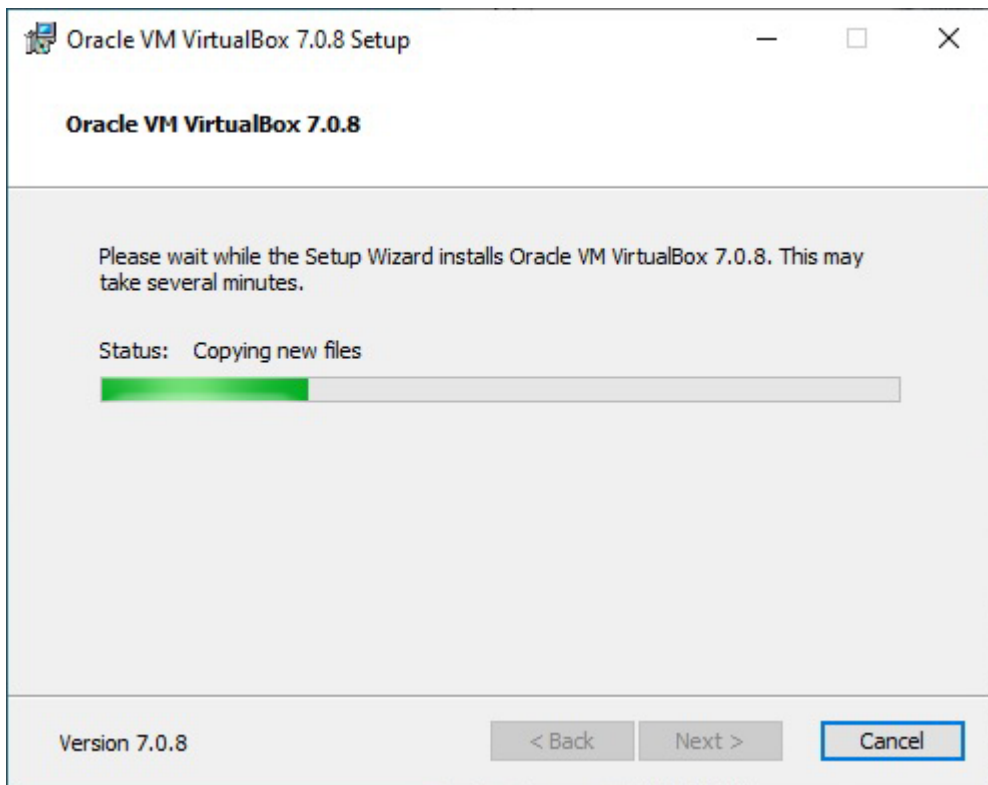
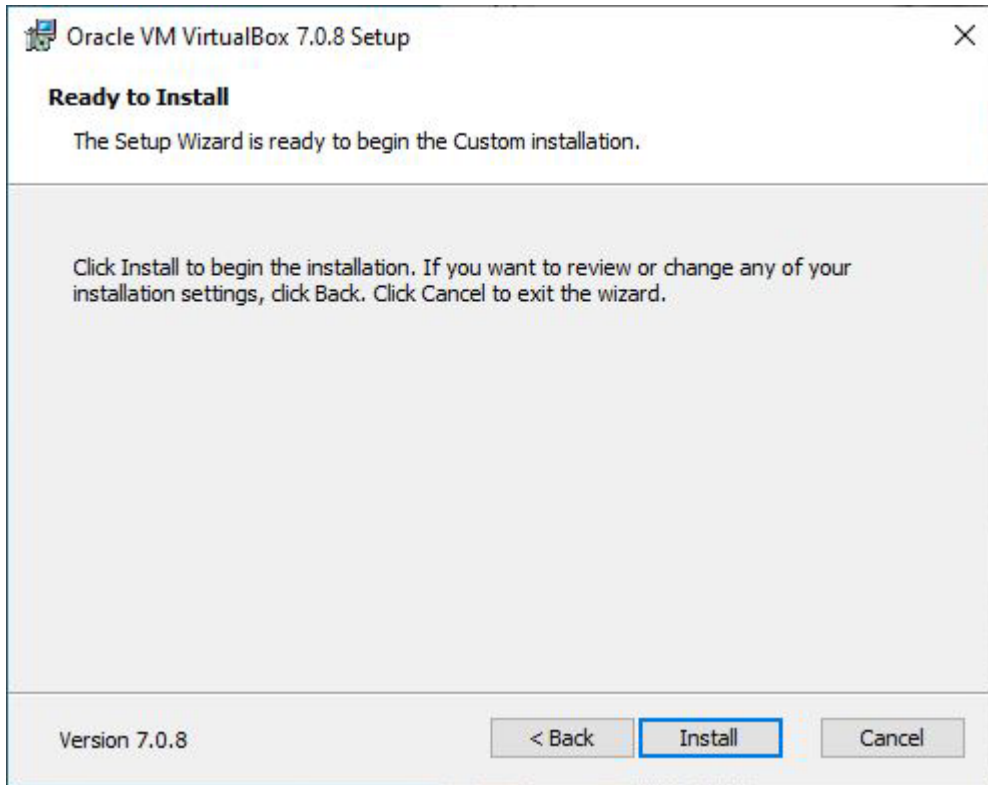
4. Install the Microsoft Visual C++ Redistributable

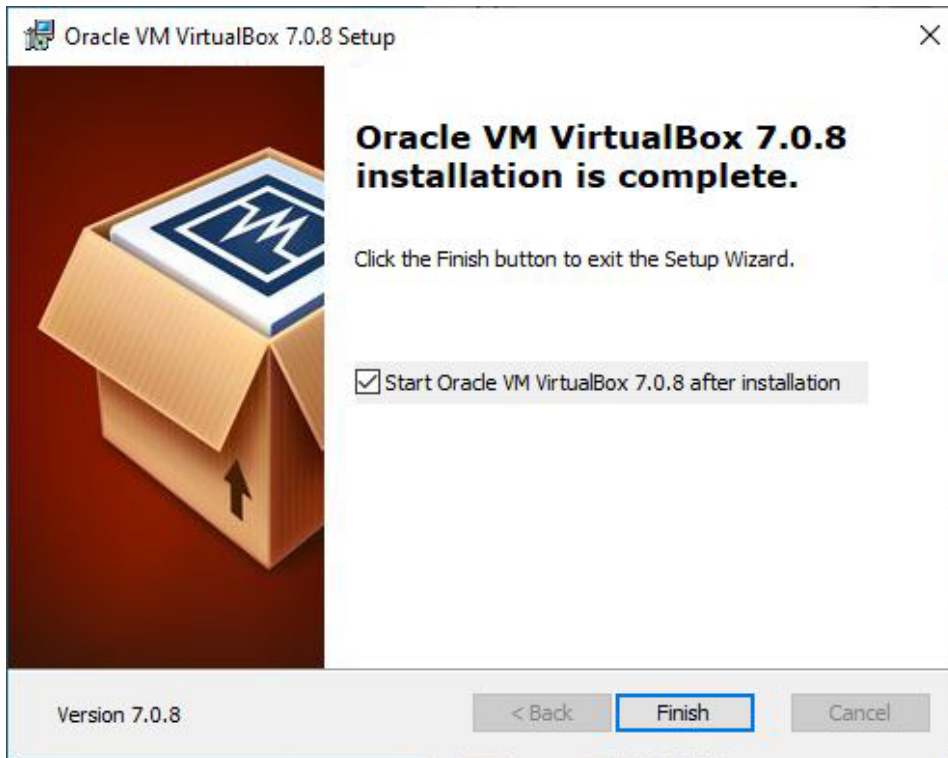


5. Install the VirtualBox

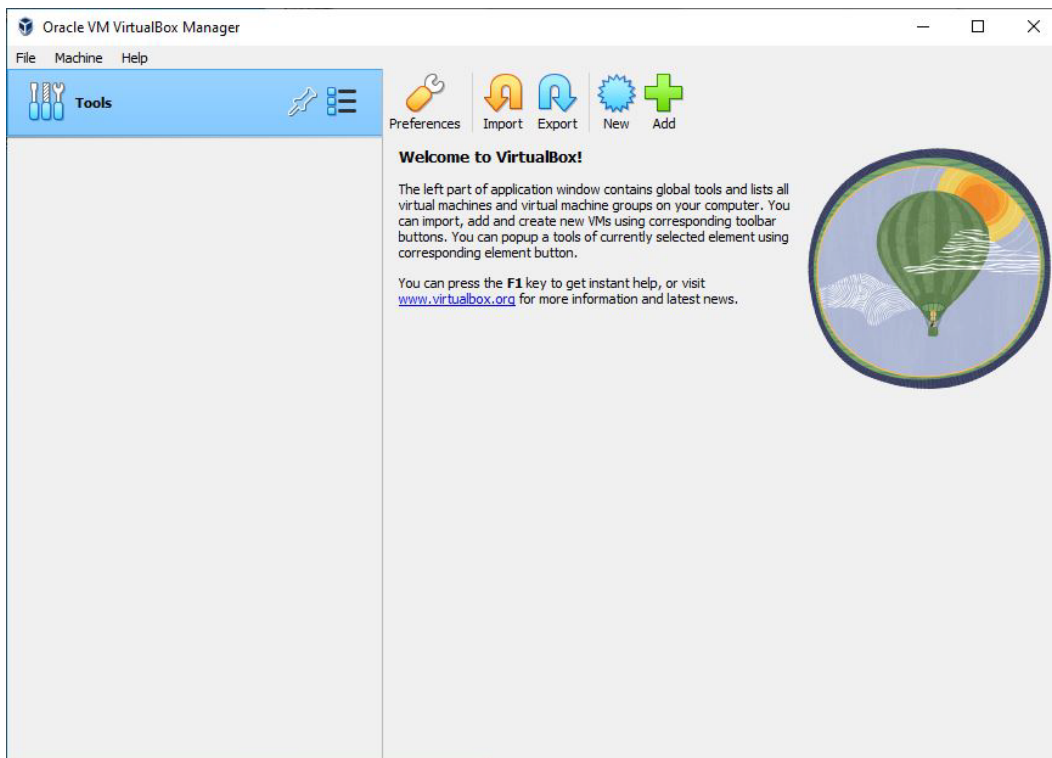




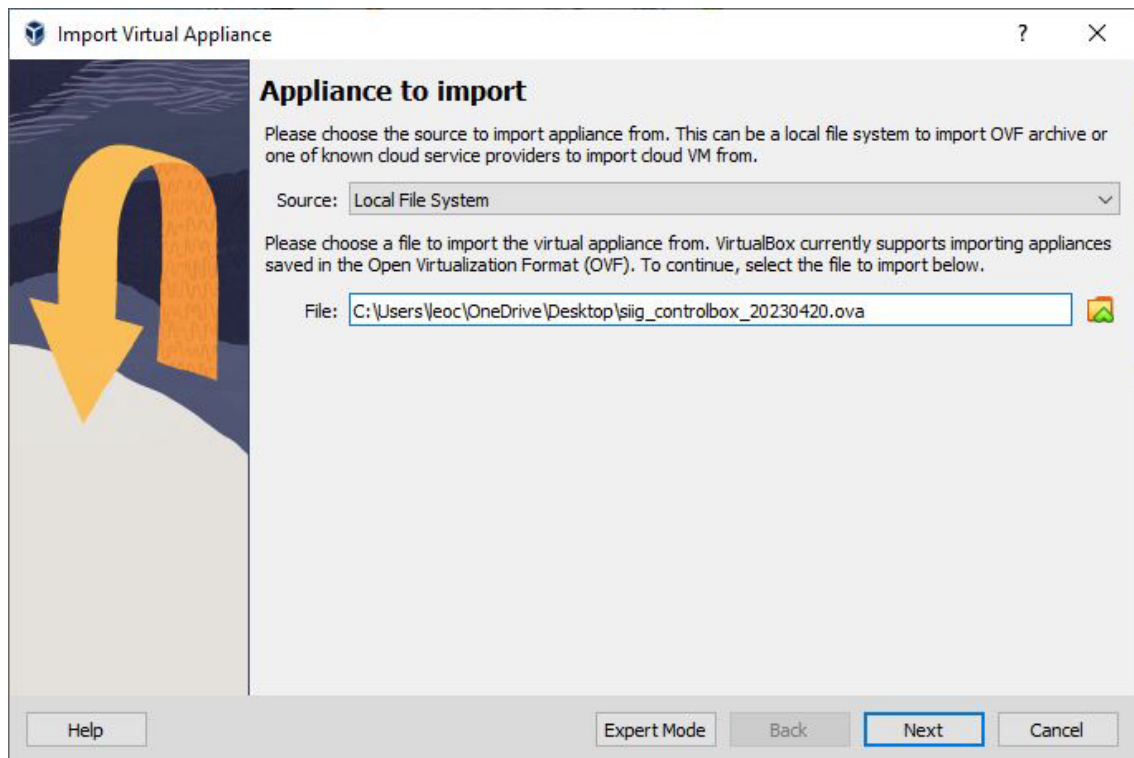
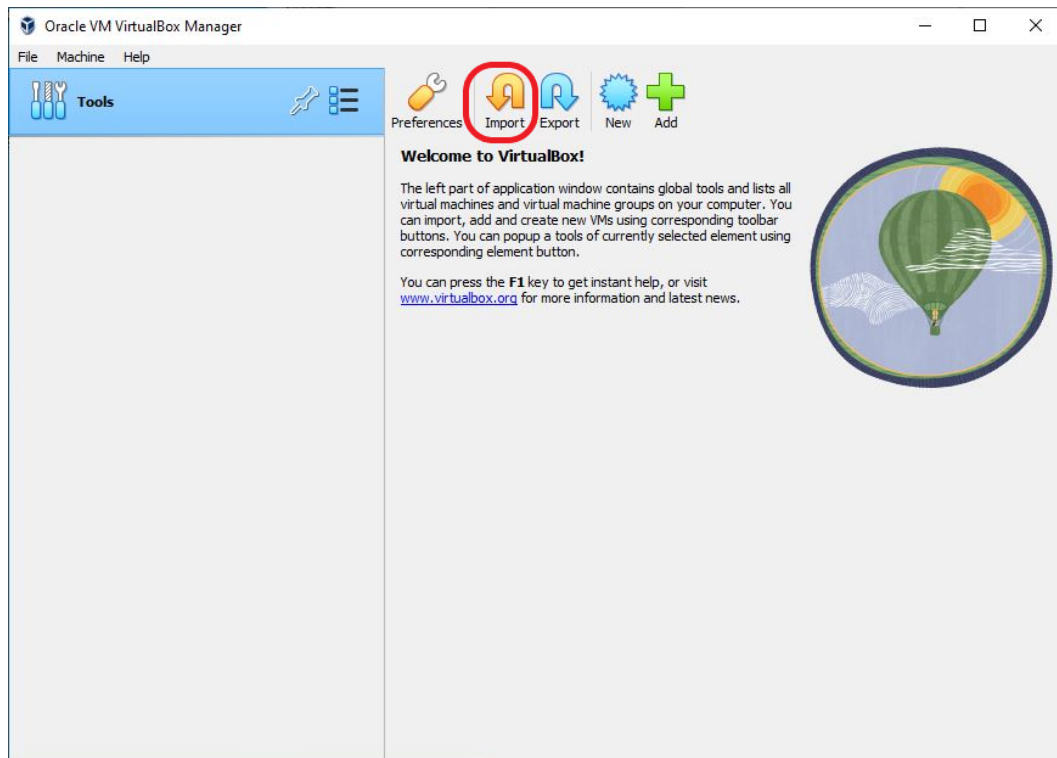


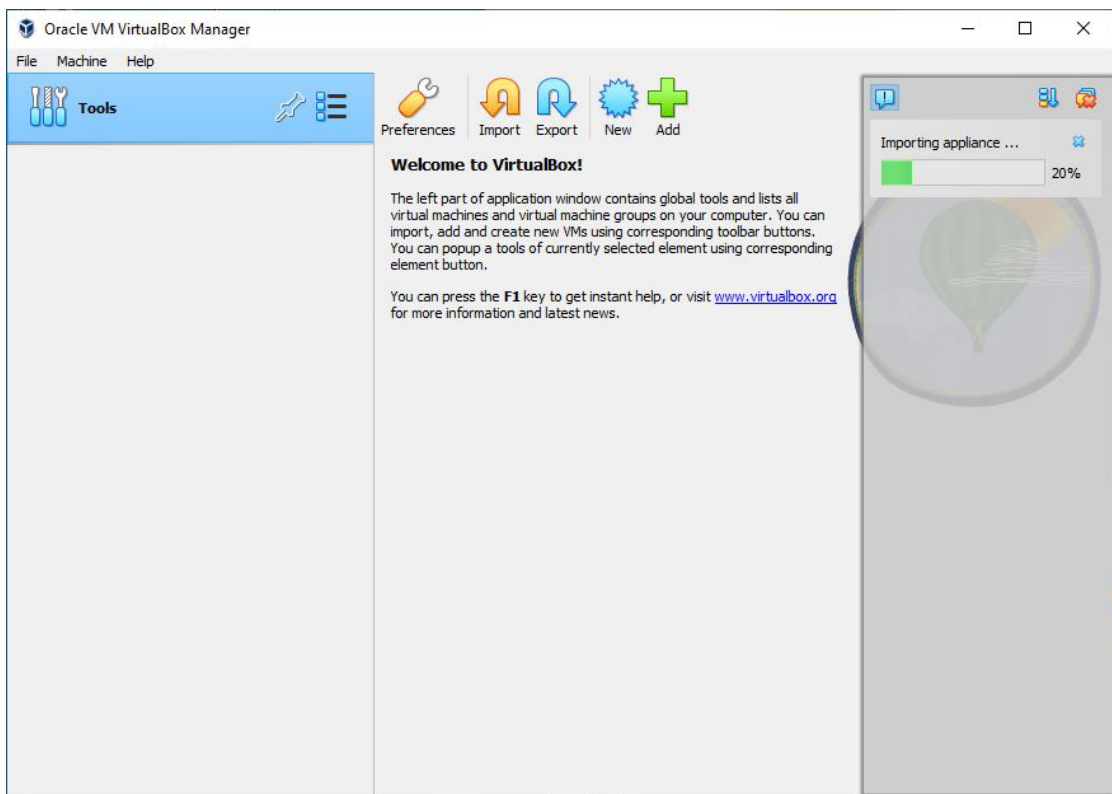
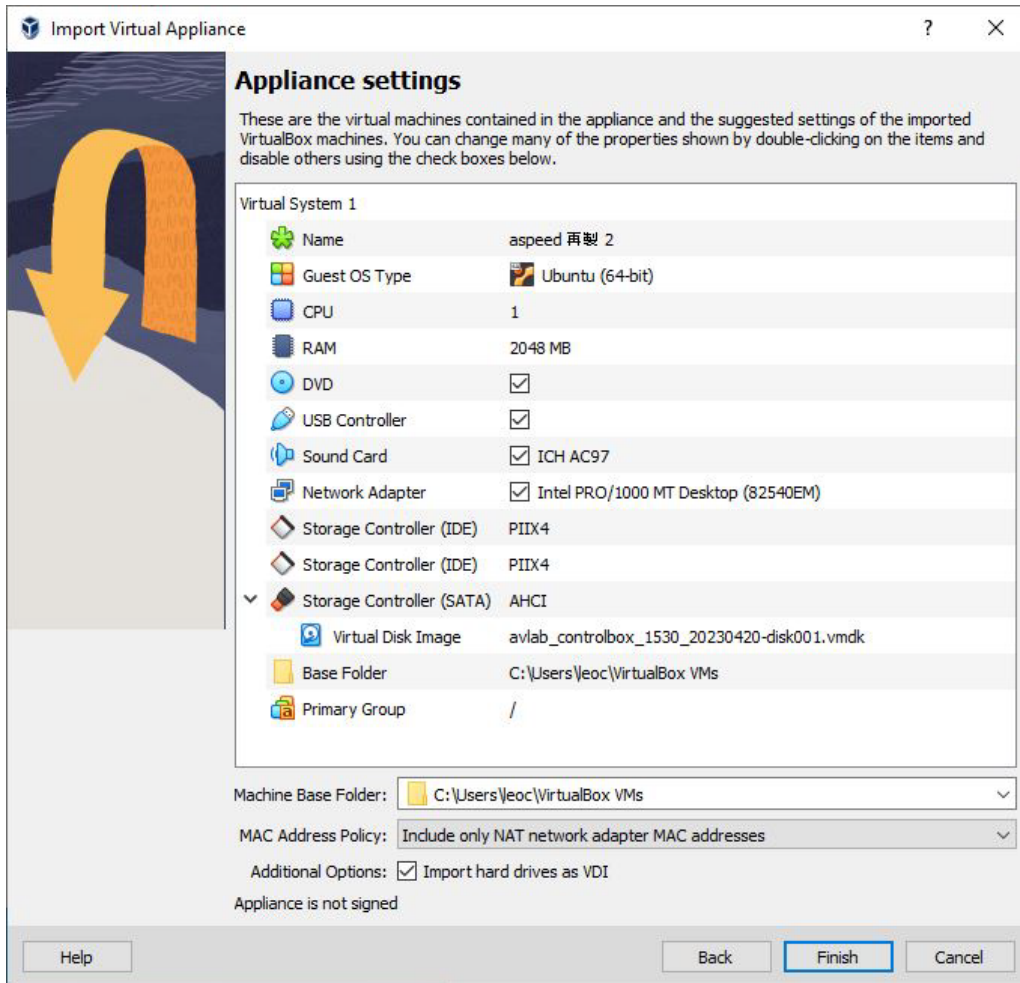


6. Run the VirtualBox

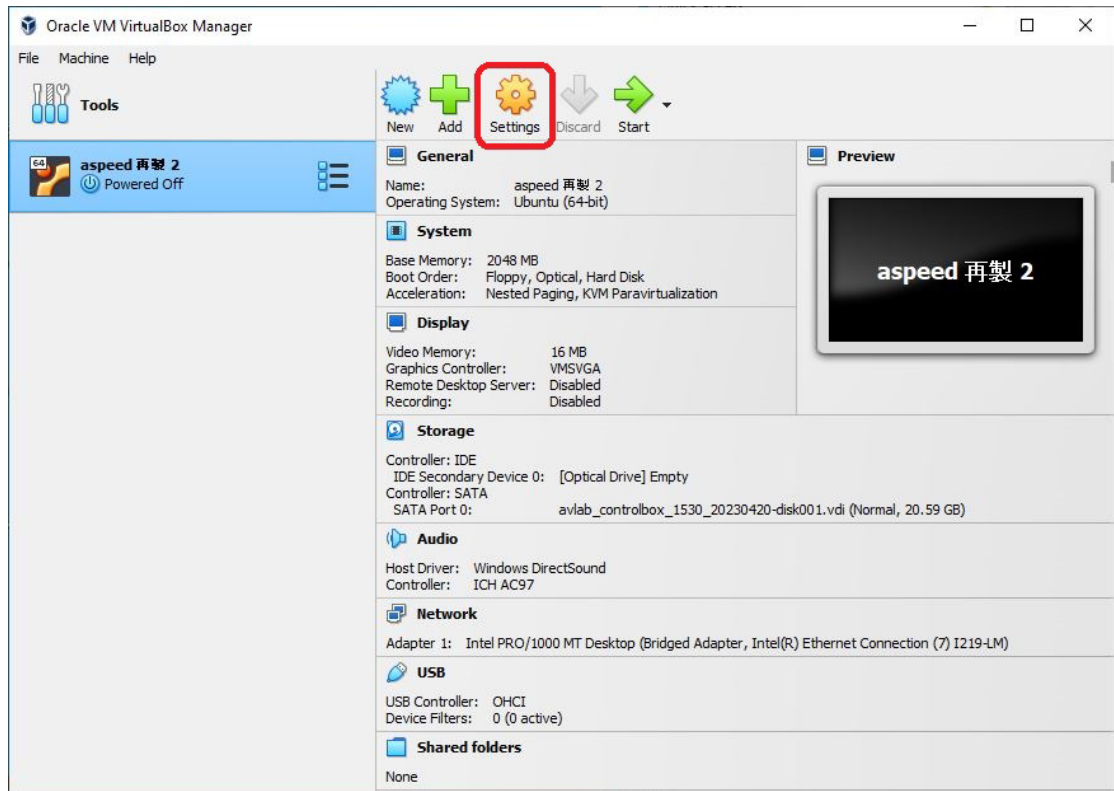


7. Import the Control software to the VirtualBox



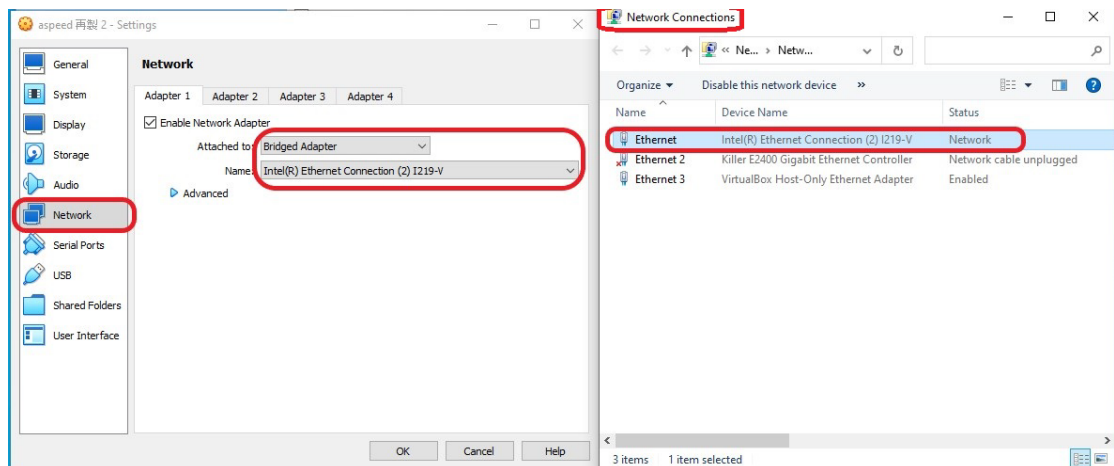


8. After Import, go to the setting page to check the network config

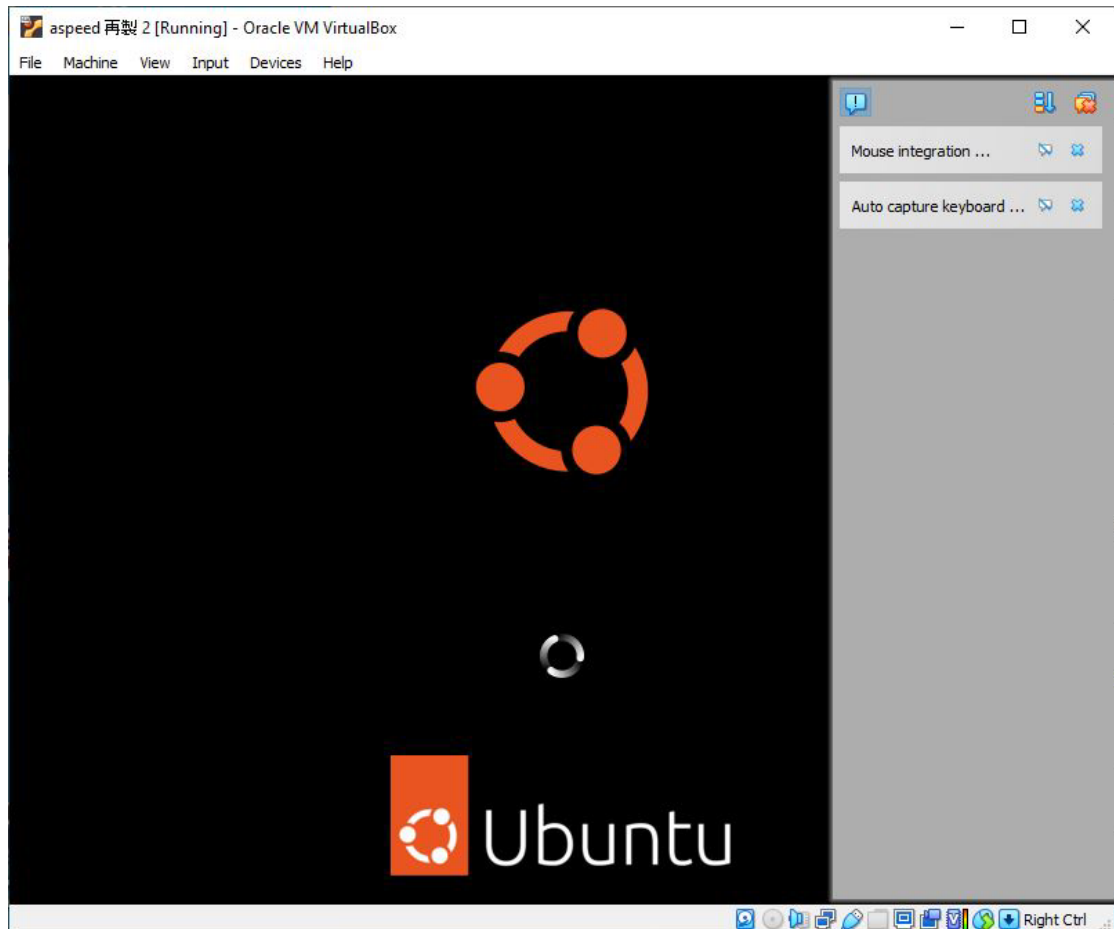
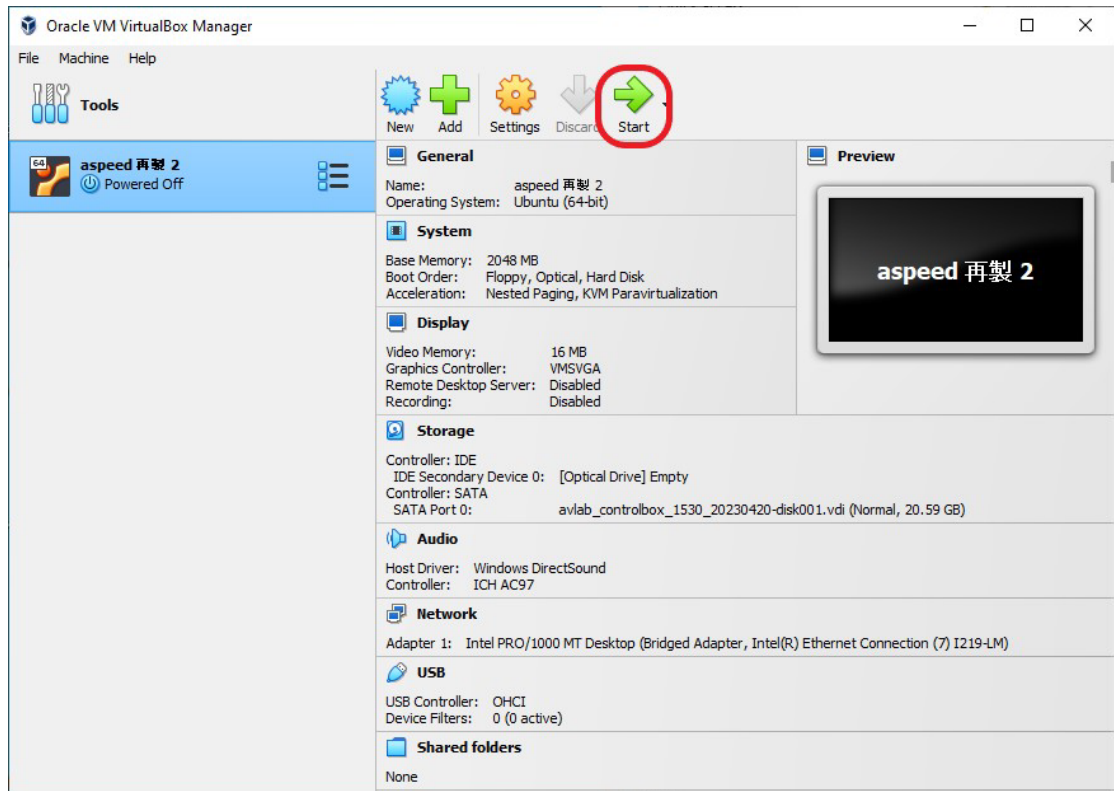


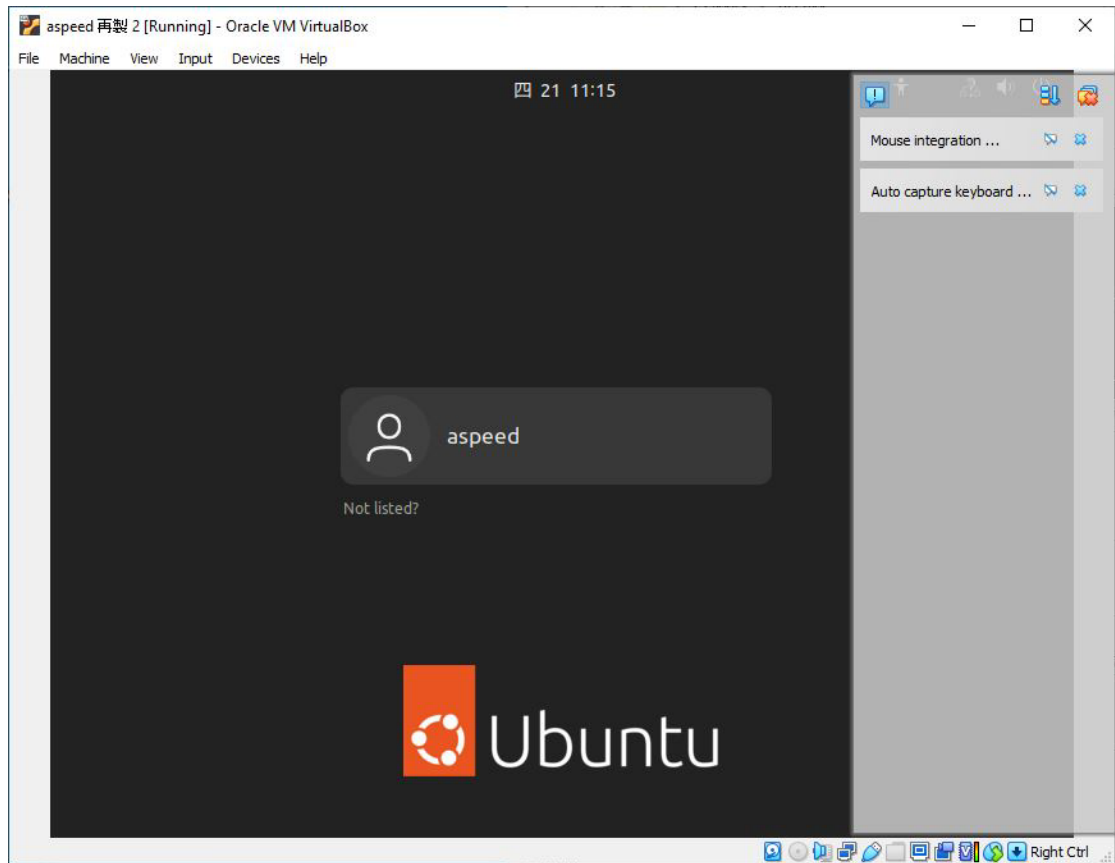
9. Confirm the network adapter setting and Windows system are using the same network adapter

*Please confirm your Windows system is using DHCP IP, then the Virtual server will get the same subnet DHCP IP too.

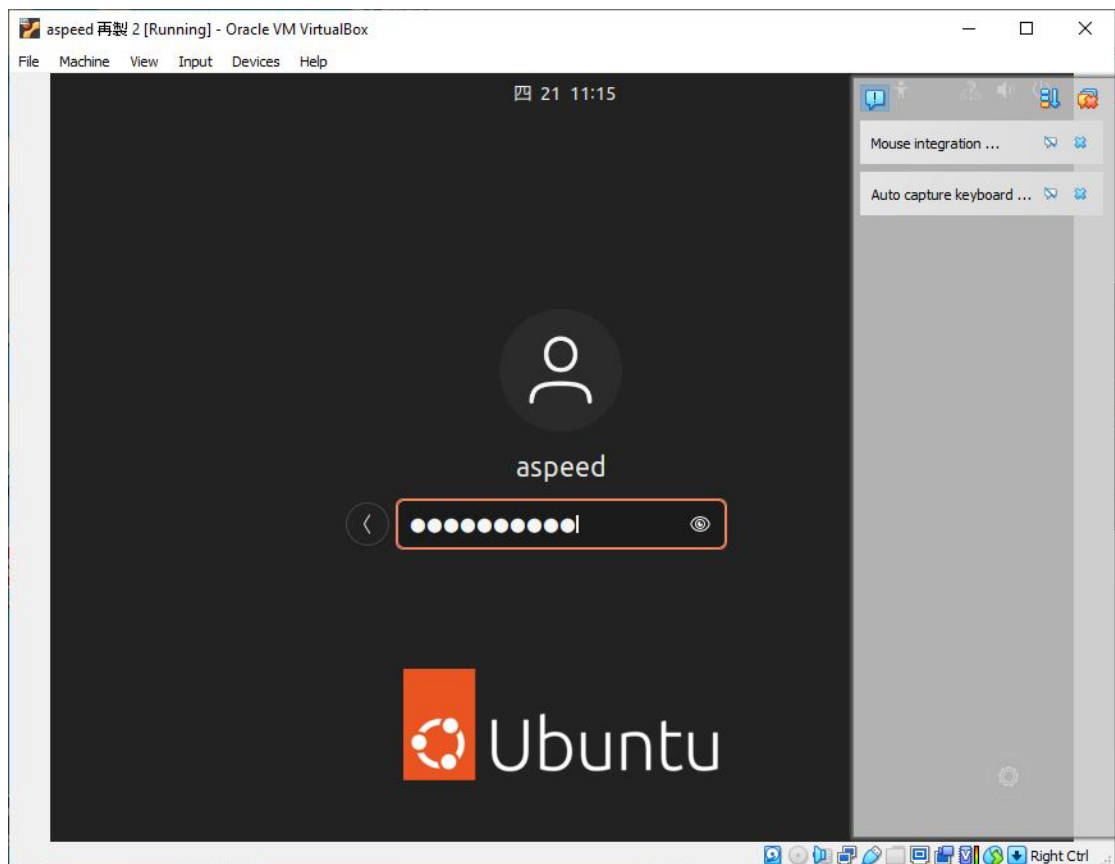


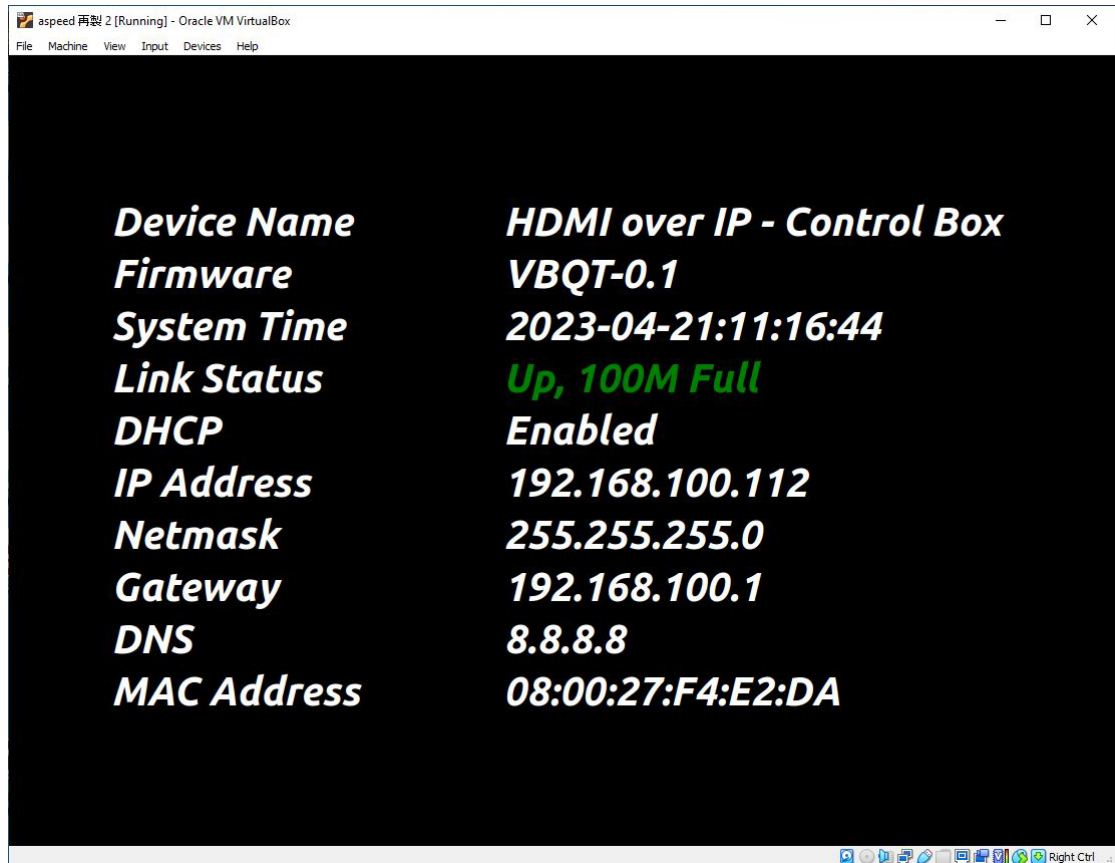
10. You can start the virtual server after confirming the network setting.





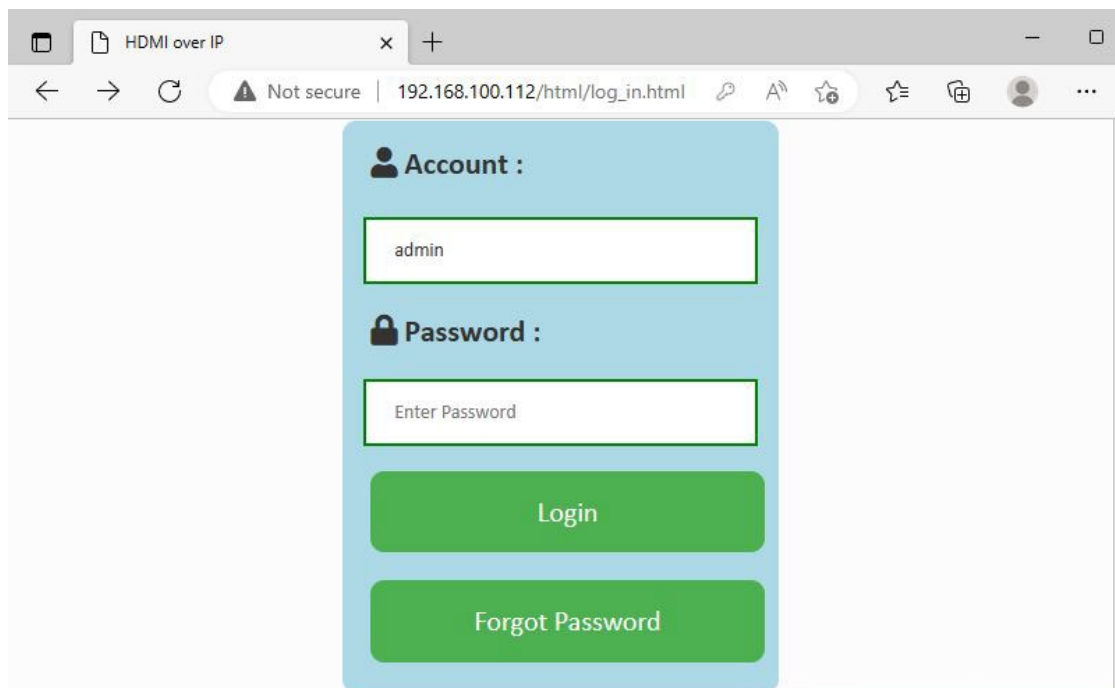
11. Enter the password "adminadmin" to see the Control software IP information.



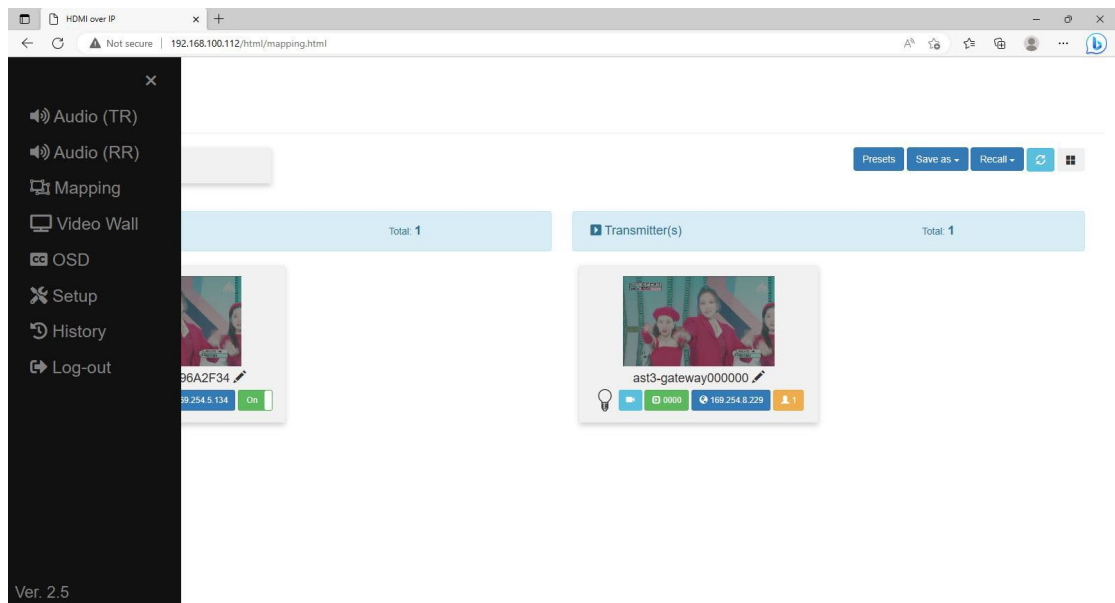


12. Open the browser and enter the IP address got from the Control software IP information.

Login Account/Password, admin/admin

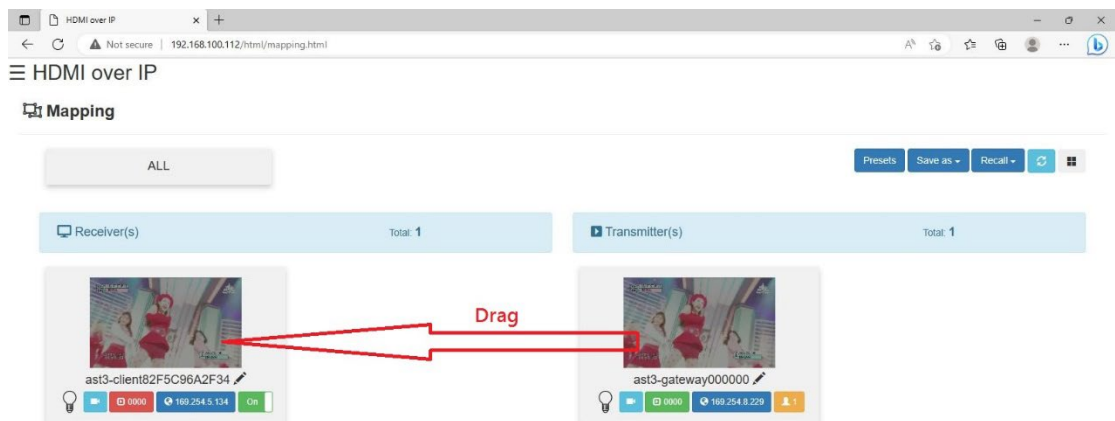


13. After login, can see the control software control page.



14. Mapping

On this Page, you can see runtime status of all TX/RX device in controller. The way to do input/output mapping is to drag TX icon to RX icon. It also provides 10 profile spaces to save the frequently used scenarios into the device.



15. Video wall

(1) Video Wall Option

The method of setup the video wall is to do input/output mapping on the Mapping page, and then select RX in the RX list of the Video Wall page to set the layout.

(2) Bezel and Gap Compensation

Set the bezel and gap of the RX video wall to achieve seamless splicing of display screens. After completing the settings, click the "Apply" button to enable the bezel and gap Compensation.

- OW: outside width
- OH: outside height
- VW: viewable width
- VH: viewable height

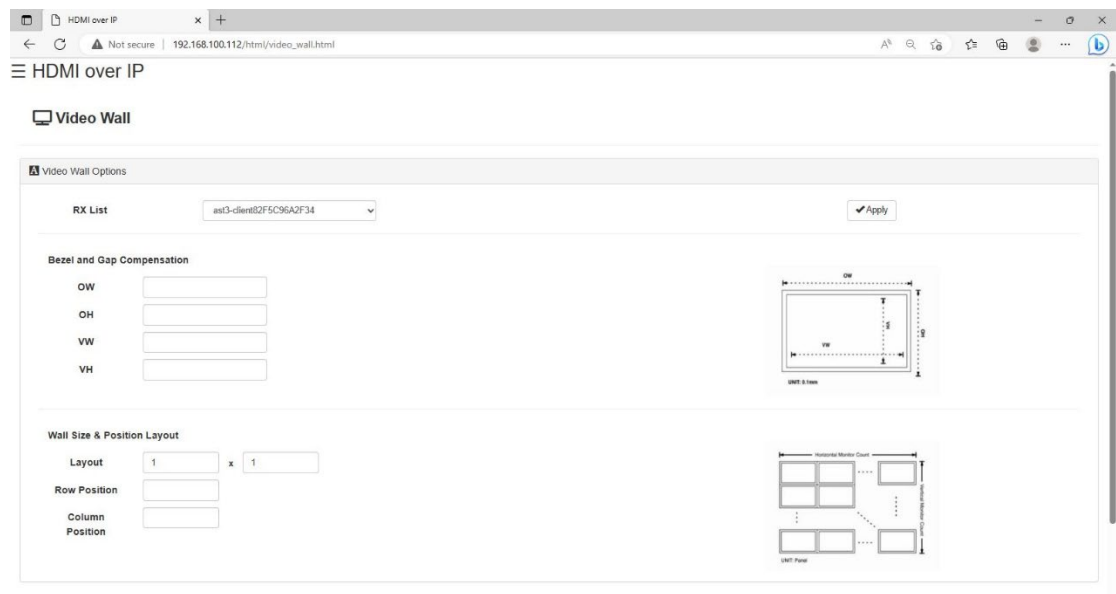
* VW must be less than OW and VH must be less than OH.

* The field may not be blank, if users do not need this function, please set all values to 1.

* The value must be an integer.

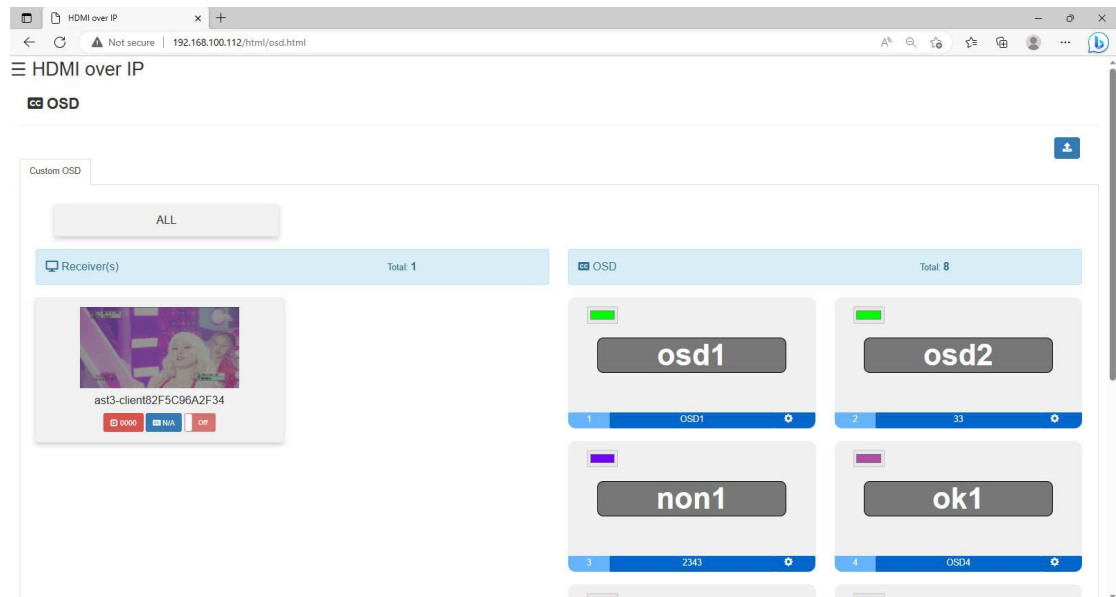
3) Wall Size & Position Layout

Set the layout to split the video into multiple zones. Then set the row position and column position to select video zone to output. After completing the settings, click the button to enable the video wall.



16. OSD

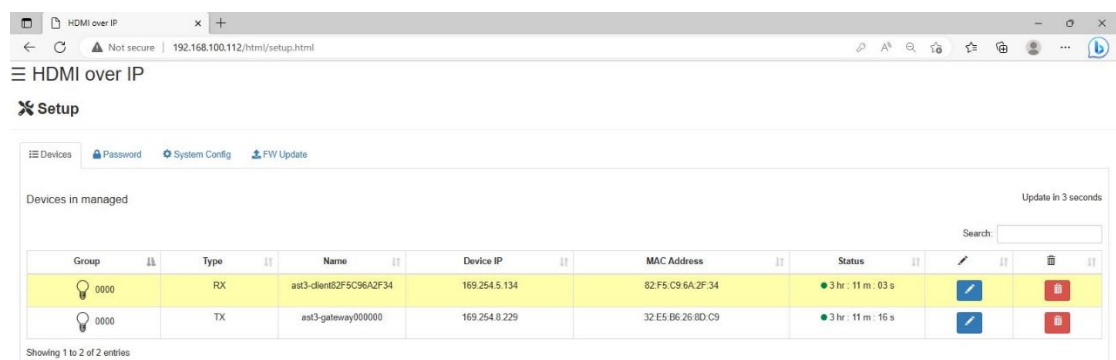
There 8 custom OSD windows for users to input the texts or images to be shown with the video. User can click the button to upload photos (only accept png or jpg files). Also click the button to adjust the message text, photo, transparency, position, color and size. After setting, please drag the OSD window to RX window which you want to show the desired text or image.



17. Setup

After connecting the HDMI over IP transmitter and receiver units to the Router/Ethernet Hub, the controller will automatically add the device into the control system.

*You can click the blink LED button to search corresponding transmitter/receiver device.



HDMI over IP

Transmitter Setup

Identification

Name	as3-gateway00000	Active Time	3 h 12 m 13 s
Type	TX	Group	0000
Device IP	192.204.8.229	MAC Address	32:55:95:26:8D:5F
System Version	AS3-018-0-00102		

Status

LAN	On	Source	On
-----	----	--------	----

Information

Name: (No 20 characters) Apply

Video Channel: Apply

RS232

BaudRate: Apply (Requires recording extension for taking effect.)

HDMI-IP

HDMI-IP: Apply (Requires recording extension for taking effect.)

Audio Return Path

Audio Return Path: Apply (Requires recording extension for taking effect.)

Casting Mode

Multicast: Apply (Requires recording extension for taking effect.)

Apply/Reset Cancel Apply/LLN

HDMI over IP

Receiver Setup

Identification

Name	as3-client00000	Active Time	1 h 14 m 10 s
Type	RX	Group	0000
Device IP	192.204.8.234	MAC Address	8A:P:07:81:2F:34
System Version	AS3-018-0-00102		

Status

LAN	On	TV	On
-----	----	----	----

Information

Name: Apply

Video Channel: Apply

AVI

Streaming Video: Apply

Scale: Apply

Scaling: Apply

RS232 Setting

BaudRate: Apply (Requires extension module for taking effect.)

HDMI-IP

HDMI-IP: Apply (Requires extension module for taking effect.)

Audio Return Path

Audio Return Path: Apply (Requires extension module for taking effect.)

Casting Mode

Multicast: Apply (Requires extension module for taking effect.)

Apply/Reset Cancel Apply/TV

History

HDMI over IP

History

Date Range: Apply Reset

Show: entries Search

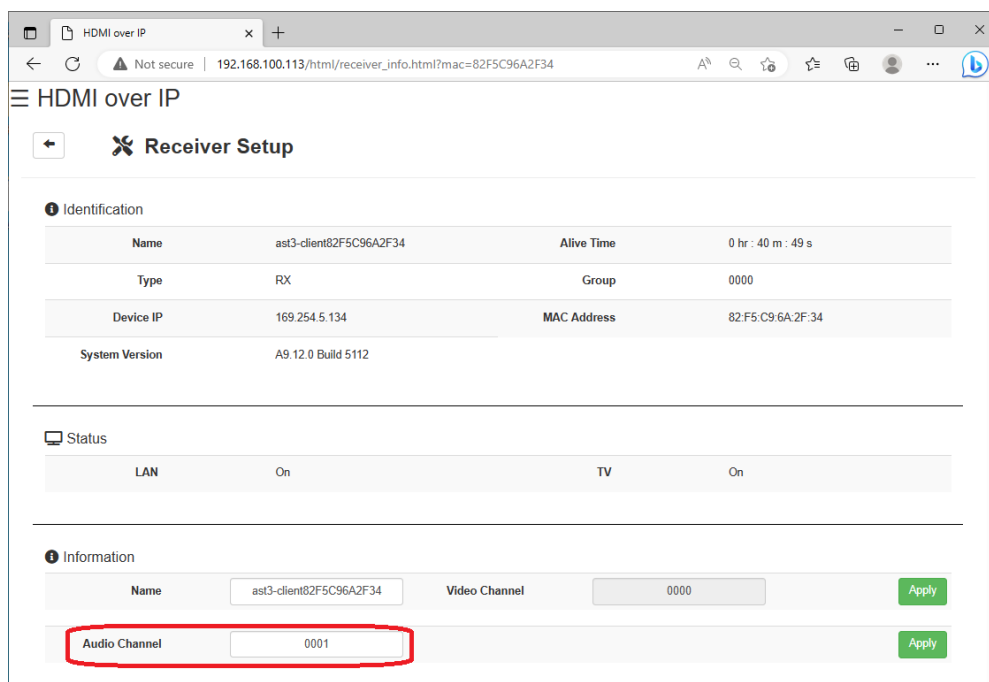
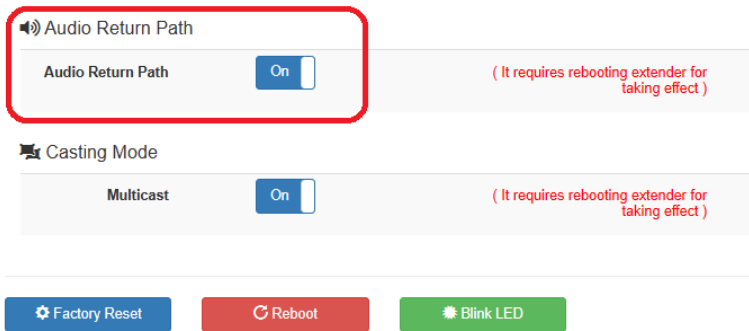
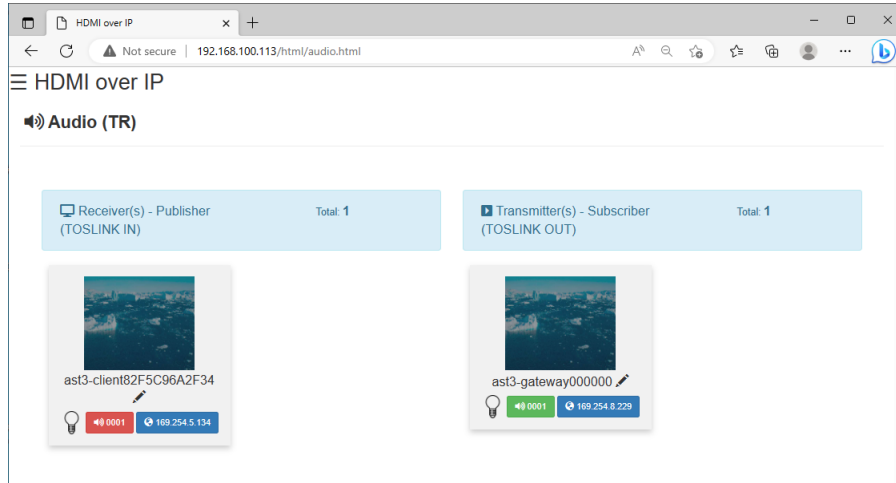
Time	Type	Event
2023/04/21-11:26	Setup	To delete device
2023/04/21-11:34	Mapping	as3-client82F5C96A2F34 is offline
2023/04/21-11:34	Mapping	as3-gateway000000 is offline
2023/04/21-11:34	Mapping	as3-client82F5C96A2F34 is online
2023/04/21-11:34	Mapping	as3-gateway000000 is online
2023/04/21-11:38	Mapping	as3-client82F5C96A2F34 is offline
2023/04/21-11:38	Mapping	as3-gateway000000 is offline
2023/04/21-11:38	Mapping	as3-client82F5C96A2F34 is online
2023/04/21-11:38	Mapping	as3-gateway000000 is online
2023/04/21-11:45	Setup	as3-gateway000000 factory reset

Showing 1 to 10 of 33 entries (filtered from 393 total entries) Previous 1 2 3 4 Next

18. Audio (TR)

Forward the Toslink audio from Receiver's S/PDIF Input to Transmitter's S/PDIF Output. The way to do this is to drag the TX icon to the RX icon.

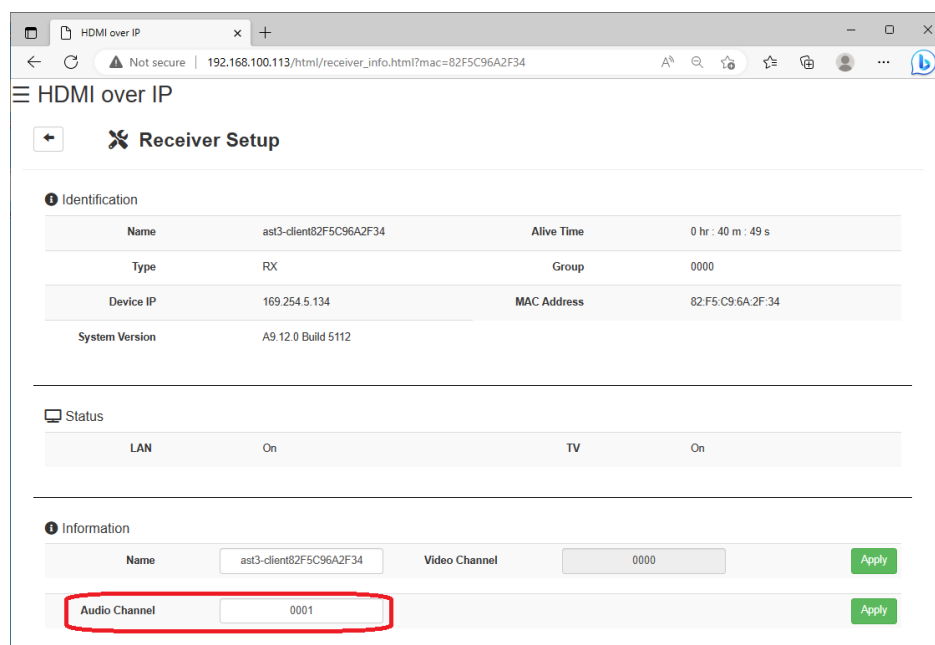
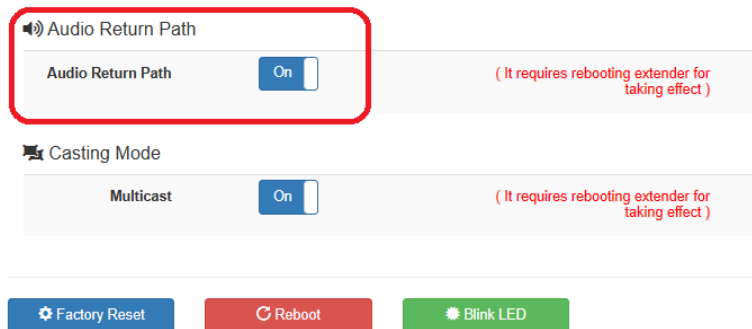
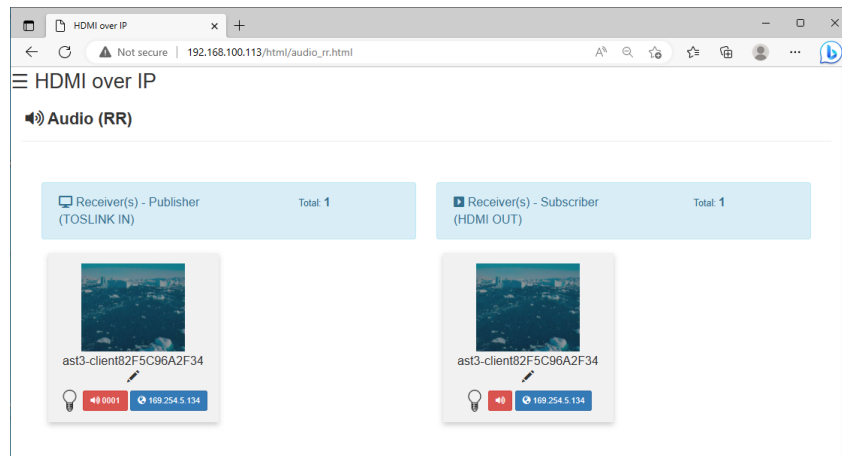
Before using the function, please go to the Setup page to turn on the "Audio Return Path" function on both Transmitter and Receiver (device reboot required) and set a "Audio Channel number" on Receiver.



19. Audio (RR)

Forward the Toslink audio from Receiver's S/PDIF Input to another Receiver's HDMI Output. The way to do this is to drag the RX icon to the RX icon. (can't drag itself to itself)

Before using the function, please go to the Setup page to turn on the "Audio Return Path" function on both Receivers (device reboot required) and set a Audio Channel number on Receiver (which one sends audio).



20. KMoIP

Turn on the KMoIP function at the TX and RX setup page can enable USB 2.0 extension, TX USB host port connect to the PC & RX USB port can connect to Keyboard, mouse, or other USB 2.0 device, once the TX and RX at the same Video Channel, the Keyboard/mouse on RX can control TX's PC.

Note: It requires reboot TX/RX after turn on the KMoIP function.

Information TX

Name	ast3-gateway0000	(Max 20 characters)
Video Channel	0013	

RS232

BaudRate	▼ 115200	(It requires rebooting extender for taking effect)
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KMoIP

KMoIP	<input checked="" type="checkbox"/> On	(It requires rebooting extender for taking effect)
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Information RX

Name	RX	Video Channel	0013
Audio Channel	DAIL_ERR		

A/V

Streaming Video	<input checked="" type="checkbox"/> On	Scaling	▼ Pass-Through
Rotate	▼ 0		

RS232 Setting

BaudRate	▼ 115200	(It requires rebooting extender for taking effect)
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KMoIP

KMoIP	<input checked="" type="checkbox"/> On	(It requires rebooting extender for taking effect)
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