How to use VirtualBox and Control Software

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, 2.7 GHz
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



3. Please go to SIIG download the control software



4. Install the Microsoft Visual C++ Redistributable



5. Install the VirtualBox

xe



🕼 Oracle VirtualBox 7.1.4 License Agreement	X 🕏 Oracle VirtualBox 7.1.4 Setup X
End-User License Agreement Please read the following license agreement carefully.	Custom Setup Select the way you want features to be installed.
COPYING file for VirtualBox versions 7.0 and later versions that include this file Preliminary notes: 1) The majority of the code in the VirtualBox base package is licensed under the GNU General Public License, version 3 (GPL). VirtualBox contain s many components developed by Oracle and various third parties. The license for each component is located in © I accept the terms in the License Agreement OI do not accept the terms in the License Agreement	Click on the icons in the tree below to change the way features will be installed. Image: Click on the icons in the tree below to change the way features will be installed. Image: Click on the icons in the tree below to change the way features will be installed. Image: Click on the icons in the tree below to change the way features will be installed. Image: Click on the icons in the tree below to change the way features will be installed. Image: Click on the icons in the tree below to change the way features will be installed. Image: Click on the icons in the tree below to change the way features will be installed. Image: Click on the icons in the icons i
Version 7.1.4 < Back Next > Cancel	Version 7.1.4 Disk Usage < Back Next > Cancel

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C.	Warning: Network Interfaces Installing the Oracle VirtualBox 7.1.4 Networking feature will reset your network connection and temporarily disconnect you from the network. Proceed with installation now?	C.	Missing Dependencies Python Core / win32api Installing the Oracle VirtualBox 7.1.4 Python bindings requires the Python Core package and the win32api bindings to be installed first. When continuing the installation of the Oracle VirtualBox 7.1.4 Python bindings now, those need to be set up manually later. Refer to the Oracle VirtualBox 7.1.4 SDK manual for more information. Proceed with installation now?
Version 7.1.4	Yes No	Version 7.1.4	Yes No

🕼 Oracle VirtualBox 7.1.4 Setup 🛛 👋	😥 Oracle VirtualBox 7.1.4 Setup 🛛 🗙
Custom Setup	Ready to Install
Select the way you want features to be installed.	The Setup Wizard is ready to begin the Custom installation.
Please choose from the options below:	Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
Create start menu entries	
✓ Create a shortcut on the desktop	
Create a shortcut in the Quick Launch Bar	
Register file associations	
Version 7.1.4 < Back Next > Cancel	Version 7.1.4 < Back Install Cancel



6. Run the VirtualBox



 Click the Import icon and then select siig_av_over_ip_v1.ova 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.

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System	Adapter 1		Organize 🔻				≣ • □	()
	Enable Network Adapter		Name	Status	Device Name	Connectivity	Network Category	
Display	Attached to: Bridged Adapter \checkmark		Ethernet	LAB	Realtek PCIe GbE Family Controller	Internet access	Public network	
Storage	Name: Realtek PCIe GbE Family Controller	~	Ethernet 12	Enabled	VirtualBox Host-Only Ethernet Adapter			·
Audio								
Notwork	USB							
	Enable USB Controller							
DSB OSB	 USB 1.1 (OHCI) Controller 							
Shared Folders	O USB 2.0 (OHCI + EHCI) Controller							
	O USB 3.0 (xHCl) Controller							
	Shared Folders							
	ОК	Cancel Help						

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.

🜠 aspeed 1 [Running] - Oracle VirtualBox		<u>197</u>		×
File Machine View Input Devices Help				
Device Name	HDMI over IP - Control Box			
Firmware	VBQT-0.1			
System Time	2024-11-27:17:25:01			
Link Status	Up, 100M Full			
DHCP	Enabled			
IP Address	192.168.100.133			
Netmask	255.255.255.0			
Gateway	192.168.100.1			
DNS	8.8.8.8			
MAC Address	08:00:27:9B:CE:C0			
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Login Username/Password, admin/admin

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

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E Cluster							
Video Wall							
SD OSD							
🔅 Setup							
History							
Account							
€ Log out							
Ver. 3.4					Tel (E10)CE7 8008 8	Support Infor	mation

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

Click the Video Wall icon from the left side menu section and then can set the Video Wall layout

- Preset Name: To set the name of this Video Wall layout.
- Cluster: Drop down the devices or select all devices.

• **Transmitters:** Click TX source name in the drag box, the Video Wall content will be based on this source to stream video content.

• Layout: check the number or type the number to set the number for Video Wall layout, and the format will be listed on right side area.

• **Receiver (RX):** Select the RX source name and drag to Video Wall layout location. Then click **Enable** the RX unit will follow the location set to send the Video Wall content, or click **Disable** to cancel layout signal, and then click **Save** to save the layout setting to preset name.

≜ admin	Video Wall		
	VIDEO WALL PRESET		
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	Preset Name	20	0
80	Cluster	ALDEMOLE axi3-cier/82/F5C96A2F34	
-	Transmittens	tx - asci-gatewayna	
=	Layout	X X Nac 5x 5	
•	Receivers (RX)	1213-686/18255086A2F31	
-		Ο	3
		•	
69			
-			

16. OSD

There are 8 custom OSD windows for users to input the texts or images to be shown with the video. Users can click the solution to upload photos (only accept png or jpg files).

Also click the **I** button to adjust the message text, photo, transparency, position, color and size. After setting it, please drag the OSD windows to RX windows which you want to show the desired text or image



17. Cluster

Create Cluster name

- Type the name and then click the Create
- · Click the Select Cluster and drop down to select the name
- Check the TX (Yellow color) or RX (Blue color) unit name on

Others Transmitters or Others Receivers

• Select the TX (Yellow color) or RX (Blue color) unit name and drag to Cluster

Transmitters or Cluster Receivers

area to set the same group and then click Save

CREATE Cluster		
Cluster Neme		(Dente)
Chater CONTENT		
Cluster	Record 🛩	Sime State
Name	Raps.1	
Cluster Transmitters		
Others Transmitters	and anteres 1997.	-
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Offiers Receivers	anti duontai (Qinha) (4	~

18. Setup

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

		_	E De	evices		 System Config 	FW	Update		
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You can click it to enter the **Transmitter Setup** or **Receiver Setup** and click the **Blink LED** button to search corresponding transmitter/receiver device. Or click **Reboot** button to Reboot the TX or RX unit. Or to click the **Factory Reset** button to reset the TX or RX.



19. History

2024-11-16 - 2024-11-16			
➡ antrias			Search
Time	n	Тура	Event
2024/11/16-00:24		Mapping	ast3-client82F5C96A2F34 is offline
2024/11/16-00:24		Mapping	ast3-client82F5C96A2F34 is online
2024/11/16-00.48		Mapping	ast3-gatowayna is offino
2024/11/16-00:48		Mapping	ast3-dient82F5C96A2F34 is etfline
2024/11/16-00:48		Mapping	ast3-client82F5C96A2F34 is online
2024/11/16-00:48		Mapping	ast3-gatewayna is online
2024/11/16-03:13		Mapping	ast3-gatewayna is offine
2024/11/16-03:13		Mapping	ast3-gatewayna is online
2024/11/16-03:48		Mapping	ast3-client82F5C96A2F34 is offline
2024/11/16-03:48		Mapping	ast3-client62F5C96A2F34 is online

20. Audio (TR) / (RR)

Click the **On/Off** on the Receiver content red mark location to **turn On** or **turn Off** the HDMI CEC control function



21. Account

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CHANGE PASSWORD								
Did Password								Apply
lew Passowrd								
Confirm Password								
CREATE ACCOUNT								
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CONC.		Administrator	~					Create
Isemame								
assword								
mail								
ACCOUNTLIST								
w 10 v entries							Search	_
10 11	User name	Role	11	Email	 Date	11	/ 11	1
1	admin	Administrator		support@sig.com	2023-02-14 12:00:00		1	