



Q-SYS™ Plugin for Matrix Boxes

AVer MT100, MT300, MT300N Plugin

— **User Manual** —

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Technical Support: <https://averusa.force.com/support/s/contactsupport>

Contact Information

Headquarters

AVer Information Inc.
8F, No.157, Da-An Rd.,
Tucheng Dist., New Taipei City
236042, Taiwan
Tel: +886 (2) 2269 8535

USA Branch Office

AVer Information Inc.,
Americas
44061 Nobel Drive, Fremont,
CA 94538, USA
Tel: +1 (408) 263 3828
Toll-free: +1 (877) 528 7824

Europe Branch Office

AVer Information Europe B.V.
Westblaak 134, 3012 KM,
Rotterdam, The Netherlands
Tel: +31 (0) 10 7600 550

Japan Branch Office

アバー・インフォメーション株式会社
〒160-0023 日本東京都新宿区
西新宿 3-2-26 立花新宿ビル
7 階
Tel: +81 (0) 3 5989 0290
お客様サポートセンター(固定電
話のみ): +81 (0) 120 008 382

Vietnam Branch Office

Công ty TNHH AVer
Information (Việt Nam)
Tầng 14, Tòa nhà Wings
Tower, 380 Trần Hưng Đạo,
Phường Chợ Quán, Thành
phố Hồ Chí Minh 700000, Việt
Nam
Tel: +84 (0) 28 22 539 211
Hỗ trợ kỹ thuật: +84 (0) 90 70
080 77

Korea Branch Office

에버 인포메이션 (주)
03186 서울특별시 종로구
새문안로 92
광화문오피시아빌딩 1831 호,
1832 호
Tel: +82 (0) 2 722 8535

Contents

Overview	1
System Requirement	1
Supported AVer Devices.....	1
Scripting License	1
About Q-SYSTM.....	1
Get Started.....	2
Download and Installation	2
About Plugins.....	2
Install AVer MT Control Panel Plugin	2
Uninstall AVer MT Control Panel Plugin	2
Q-SYS™ Designer Interface	3
Set up AVer MT Control Panel Plugin	4
Insert plugin to the Schematic:.....	4
Customize Plugin Components in User Control Interfaces (UCI).....	5
Emulate Connection and Control	6
Save to Core and Run Connection	7
AVer MT Control Panel	8
Matrix Tracking Box Control	8
Device Information.....	9
Troubleshoot	10

Overview

Q-SYS™ Designer software enables users to create designs for native Q-SYS™ Platform system and supports the integration of the greater Q-SYS™ ecosystem.

System Requirement

For Q-SYS™ Designer system requirements, please visit: <https://help.qsys.com/>.

Supported AVer Devices

Matrix Boxes

MT100
MT300
MT300N

Scripting License

All plugins when loaded to Q-SYS system requires a Q-SYS Scripting License and will not function without it. For more details, please visit: https://help.qsys.com/qsys_9.8/#Core_Manager/Core_Management/Licensing.htm?Highlight=scripting.

About Q-SYS™

Since its inception in 2009, Q-SYS™ has been architected to deliver seamless, unified, and scalable human experiences. With established solutions across Corporate, Education, Hospitality, Venues & Events, Cinema, Government, Healthcare, and Transportation, Q-SYS™ raises the bar for both live and virtual experiences by uniting hardware and software partners, developers, and creators. Headquartered in Costa Mesa, CA, Q-SYS™ has regional offices in Sinsheim (Germany), Boulder (Colorado), Bengaluru (India) and Hong Kong, along with training, market development, sales/support offices and distribution facilities located throughout North and South America, Europe, Asia and the Middle East. For more information, please visit: <https://www.qsys.com/about-us/>.

Get Started

Download and Installation

1. Visit Q-SYS™ official website to download the application:
<https://www.qsys.com/resources/software-and-firmware/q-sys-designer-software/>.
2. Follow the on-screen guide to install Q-SYS™ Designer on your computer.
3. Double click on the icon  to launch the app.

About Plugins

Install AVer MT Control Panel Plugin



1. Download **AVer MT Control Panel plugin** file to your computer from AVer Download Center:
<https://www.aver.com/download-center>.
2. Double click the downloaded file to install the plugin.
3. If success, you will see the plugin in **Plugins > User > AVer Information** on the lower right corner.

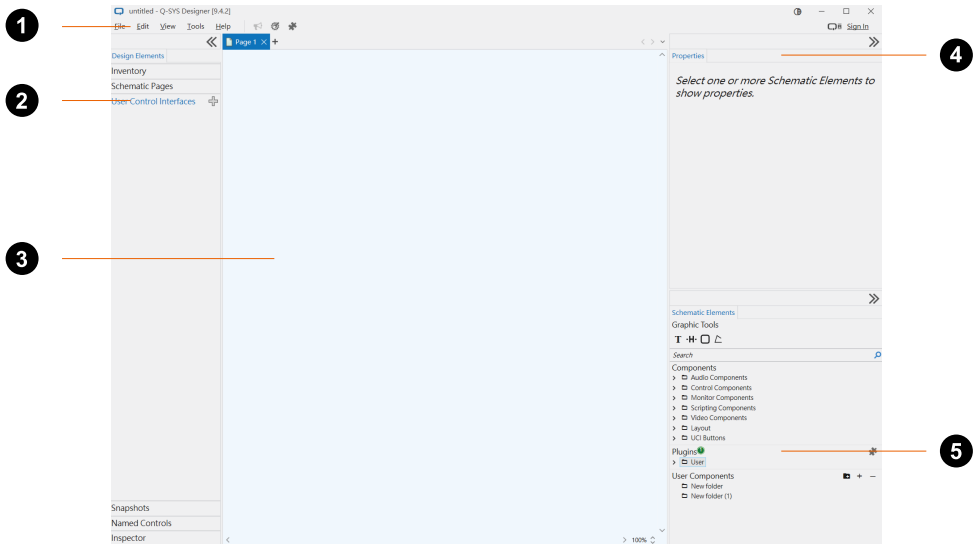
For future upgrades:

Follow the steps above to download and install the latest plugin files.

Uninstall AVer MT Control Panel Plugin

1. Enter location path in your file explorer: C:\Users\[Account]\Documents\QSC\Q-SYS Designer\Plugins to see **AVer MT Control Panel** file.
2. Hover over the file and right click your mouse > **Delete**.

Q-SYS™ Designer Interface



1. Main Menu

Provide quick access to commands and functions.

2. User Control Interfaces (UCI)

Create workspace to design and edit matrix box control panels.

3. The Schematic

Drag and drop files to schematic for further views and edits. You can have more than one page of schematic diagrams.

4. Properties

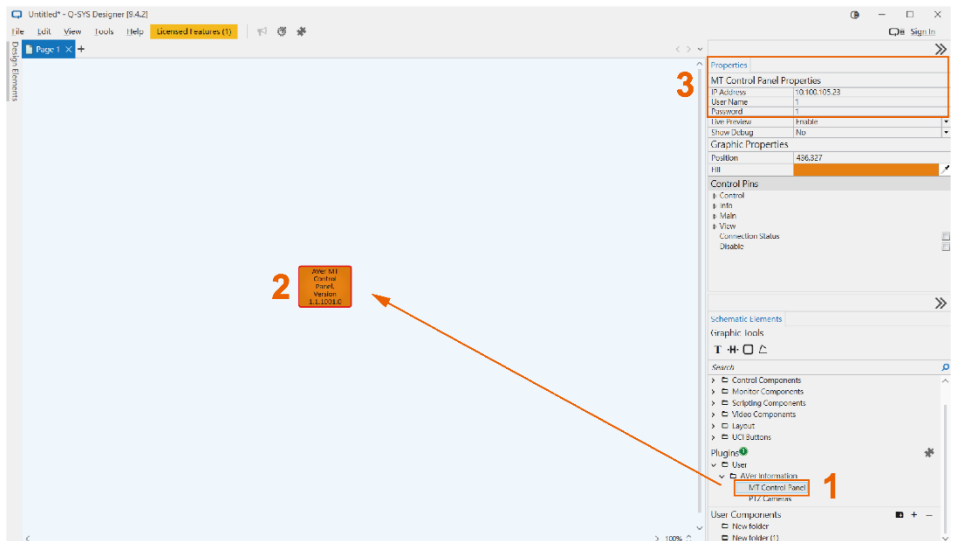
Check and edit the properties of selected components.

5. Plugins

Provide integration of licensed third-party plugins.

- **Asset Manager:** Include installed plugins downloaded from Asset Manager. To open Asset Manager, click .
- **User:** Include manually installed plugins by users (with .qplugx files) and legacy plugins bundled with previous versions of Q-SYS™ Designer.

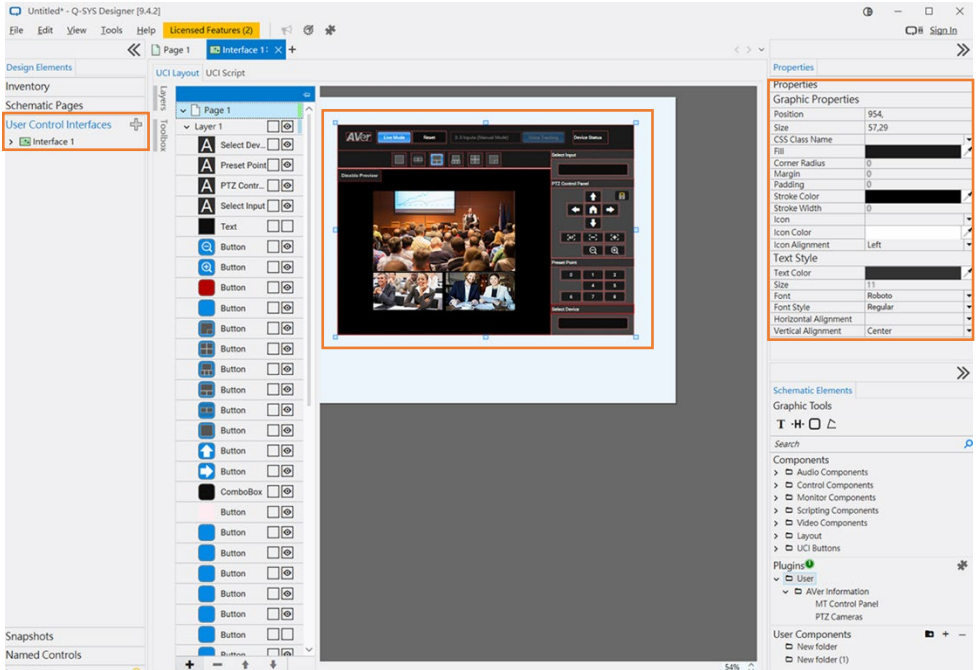
Set up AVer MT Control Panel Plugin



Insert plugin to the Schematic:

1. Double click on **User** file in **Plugins** section > double click **AVer Information**.
2. Drag **MT Control Panel** plugin and drop it in the Schematic.
3. Enter **MT Control Panel Properties** of your matrix box.
4. Press **Enter** on your keyboard to connect.

Customize Plugin Components in User Control Interfaces (UCI)



1. Double click on the **AVer MT Control Panel** plugin to show configurable components.
2. Click and drag over to select plugin components you want. Selected components will be in a red frame.
3. Click **User Control Interfaces** > click  to create an interface, and paste the copied components to the Schematic.
4. To customize control panel components, you can:
 - Click and drag the bounding box to resize.
 - Double click text box to rename.
 - Click the icon and change the icon color in Properties.
 - Right click on your mouse to open context menu for more commands.

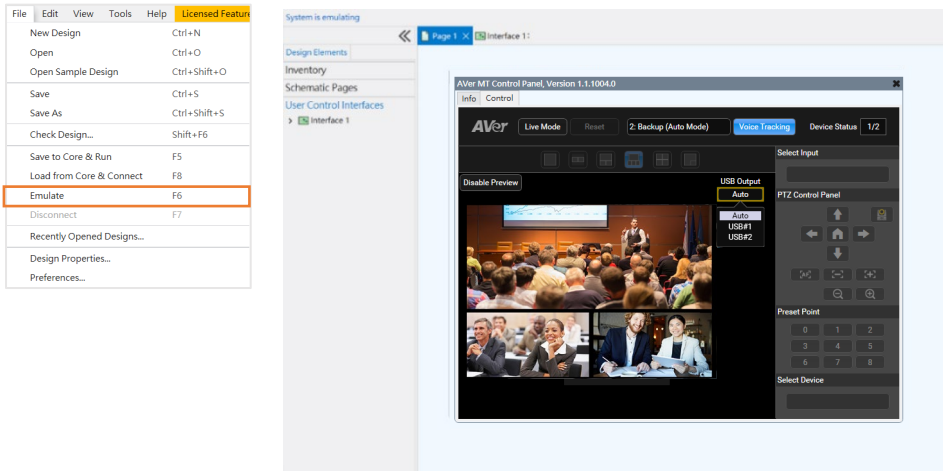
To remove components:

1. Select the component from the Schematic, or select from Layers, press Del on your keyboard.
2. Select the component, click **Edit** in Main Menu > **Delete**.

Emulate Connection and Control

After customizing MT Control Panel components, you can run tests by emulating the connection.

To emulate connection and control:



1. Click **File** in Main Menu > **Emulate**.
2. When you see a pop-up window “Design License Requirements Have Changed”, click **OK** to continue.
3. When the connection is completed, click the control panel buttons to control your matrix box.

Notes:

1. When successfully connected, all the icons will turn white and the buttons are clickable; if not, disconnect the emulation and check plugin properties in **Page**.
2. You can't customize the panel components or change any settings until you disconnect emulation. To disconnect, click **File** in Main Menu > **Disconnect**.

Save to Core and Run Connection

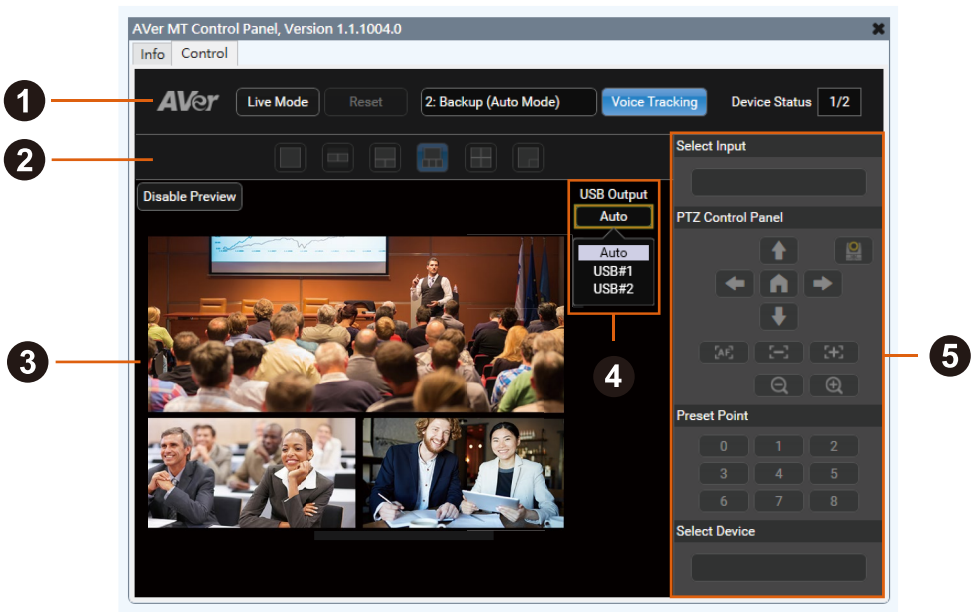
When finished configuring the control panel, save your design on the core processor to run connection and control your matrix box on devices with compatible software.

To save and run connection, click **File** in Main Menu > **Save to Core & Run**.

File	Edit	View	Tools	Help	Licensed Features
New Design				Ctrl+N	
Open				Ctrl+O	
Open Sample Design				Ctrl+Shift+O	
Save				Ctrl+S	
Save As				Ctrl+Shift+S	
Check Design...				Shift+F6	
Save to Core & Run				F5	
Load from Core & Connect				F8	
Emulate				F6	
Disconnect				F7	
Recently Opened Designs...					
Design Properties...					
Preferences...					

AVer MT Control Panel

Matrix Tracking Box Control



1. Status Bar

Item	Description
Live Mode Switch	Open and close the Live Mode.
Reset	Reset Live Mode to factory default settings.
Main Profile	Select a saved profile from matrix box web interface.
Voice Tracking	Turn voice tracking on and off.
Device Status	Display device status.

2. Grid Layout

Select a layout for your connected device live view.

3. Device Preview

Click **Disable Preview** to show and hide device live view.

4. USB Output

Select a USB port for USB output. (Available on MT300 and later models.)

5. Control Panel

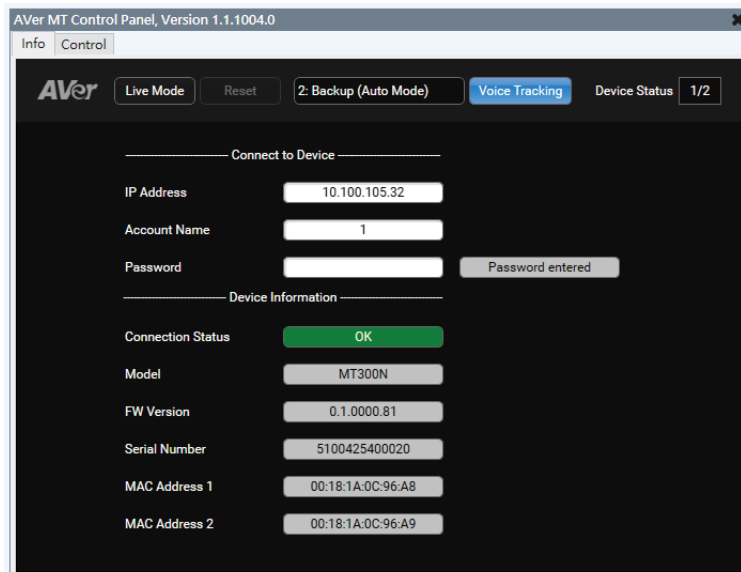
Item	Description
Select Input	Select a live view from the drop-down list.
PTZ Control Panel	- Pan, tilt, zoom and focus control. - Lens Switch button : Switch between the PTZ camera and wide angle camera of TR535 camera series when connected.
Preset Point	Go to a camera preset position. Set up a preset position in the matrix box web application.
Select Device	Assign a connected device for the selected live view.

Device Information

Check connection status, model name, firmware version, serial number, MAC addresses in the Info tab. The Q-SYS™ Plugin saves these credentials and will automatically log you in during future sessions.

Visit Q-SYS™ official website to learn more about the Control Pins feature:

https://q-syshelp.qsc.com/q-sys_9.2/Content/Q-SYS_Designer/Using_the_Schematic/Connections_and_Wiring_in_the_Schematic.htm?utm_source=chatgpt.com



AVer MT Control Panel, Version 1.1.1004.0

Info | Control

AVer Live Mode Reset 2: Backup (Auto Mode) Voice Tracking Device Status 1/2

Connect to Device

IP Address 10.100.105.32

Account Name 1

Password Password entered

Device Information

Connection Status OK

Model MT300N

FW Version 0.1.0000.81

Serial Number 5100425400020

MAC Address 1 00:18:1A:0C:96:A8

MAC Address 2 00:18:1A:0C:96:A9

Troubleshoot

The Q-SYS Designer 10.2.0 crashes after running the plugin for an extended period.

A software bug in version 10.2.0 prevents the camera preview from releasing images from system memory. This causes a memory leak that eventually crashes the software. This issue does not occur in version 9.x.

Workaround: Click **Disable Preview**  to turn off the camera preview and stop the memory leak. Check for Q-SYS Designer updates that address this issue regularly.