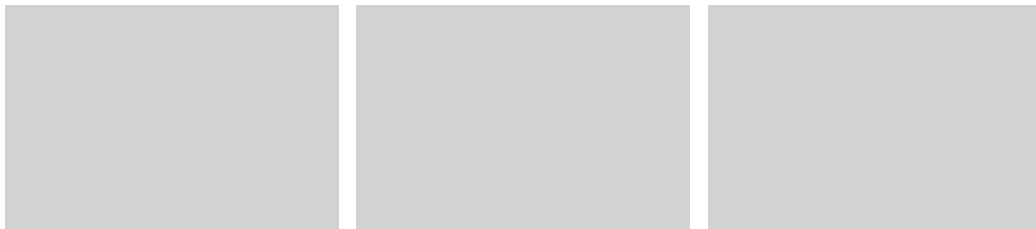
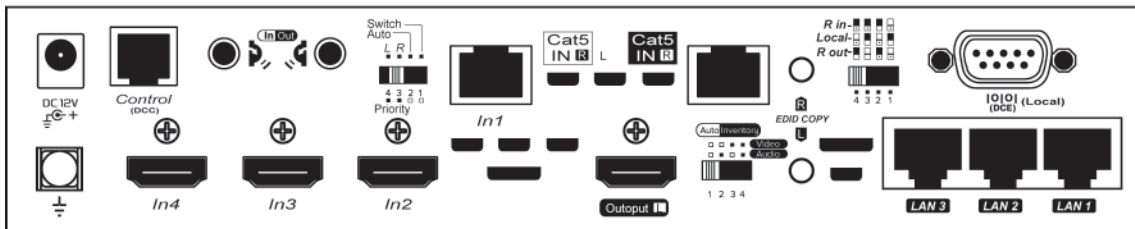
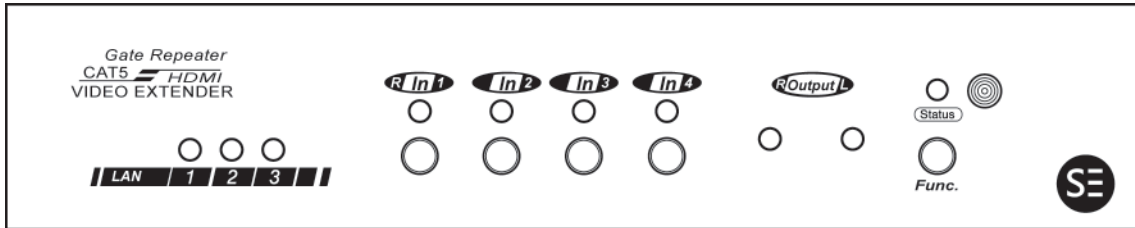


User's Manual

HDBaseT 4K2K 4-Input HDMI CATx Gate Repeater



SERVEREDGE

- ▣ The final specification is the actual product based.
- ▣ Features and functions may be added or changed after the manual was written. Please visit our website to download the latest version of manual for reference.

CE FC RoHS

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Please read this manual thoroughly and follow the **Installation** procedures to prevent any damage to the unit or any connecting device.

* The final specifications are the actual product based.

* Features and functions are subject to change since the manual was written.

Please visit the related website to download the latest version of manual for reference.

FC CE  RoHS

----- **Introduction**

I. Overview

SERVEREDGE 4K2K HDMI CATx Gate Repeater transmits / Receives full uncompressed 3D HD video and audio over CAT5e/6 cable up to 100 meters. It not only supports resolutions up to 4K2K (3840 x 2160), Full HD 1080p and 2048 x 1152, but supports Deep Color and HD Audio formats as well.

The optional Graphical User Interface (GUI) function makes control easier and more effectively. The well-designed GUI can free users from giving complex commands. What's more fantastic is that it allows you to name and portray your source and display icons for user-friendly operation.

The advanced and inexpensive all-in-one connectivity technology only requires low-cost and handy CAT5e/6 cables, making SERVEREDGE 4K2K HDMI Gate Repeater perfect for occasions like receiving guests (for hotels or conference rooms) and digital signage (for airports or shopping malls), etc.

II. Features

- ◆ Repeater function which can deliver HDMI signal to multimedia displays over a CAT5e/6 cable up to 100 meters
- ◆ 100BaseT Ethernet Pass-Thru enables simultaneously distribute HDMI and Ethernet streaming videos from each source to each display
- ◆ Advanced design which allows the device to be cascaded for multiple times
- ◆ Provide various ways to control via
 - (1) Push buttons on the front panel
 - (2) IR remote controller
- ◆ Duplicate or even add a second video signal to achieve multicast distribution that sends multiple sources to multiple displays in separate locations
- ◆ RS 232 Slide Switch for configuring two-way communication between the device, the transmitter, or the receiver
- ◆ Additional local input port(s) available on each device
- ◆ Can be connected to the transmitter or receiver through LAN*
- ◆ HDTV, 3D HDTV compatible; HDCP compliant and Blu-ray ready
- ◆ Support resolutions up to UHD (3840 x 2160), Full HD 1080p, 2048 x 1152, Deep Color and HD Audio formats
- ◆ Bi-directional IR & Serial (depending on the model)
- ◆ Ideal for receiving guests (for hotels and conference rooms) or digital signage (for airports or shopping malls), surveillance cameras, whole-home networking, or point-to-point applications_

Exclusive EDID Function

- ◆ Multiple functions for EDID setting, like EDID Copy and EDID Pre-setting, ensuring accurate output display
- ◆ Enable separately learn Audio and Video EDID for multimedia/ Home Theater system integration
- ◆ Read and store the EDID from the connecting display to the video extension

EGO (Advanced Auto-Sensing) Function*

- ◆ Versatile port selection functions of Priority, Auto-sensing and Switch modes
- ◆ User-friendly port switching via button pressing or priority setting

*(Depending on the model)

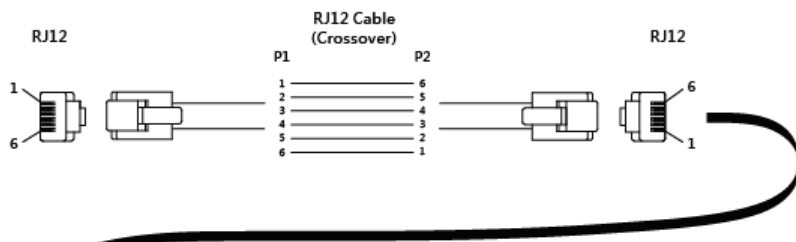
III. Package Content

Content	Quantity
SW4I-03457-100	1
Power Adapter Set	1
IR Remote Controller	1
CD (User's Manual + Software Utility)	1
Quick Start Guide	1
CATx Cable (1.5M)	1
Grounding Wire	1
Foot Pad Set	1

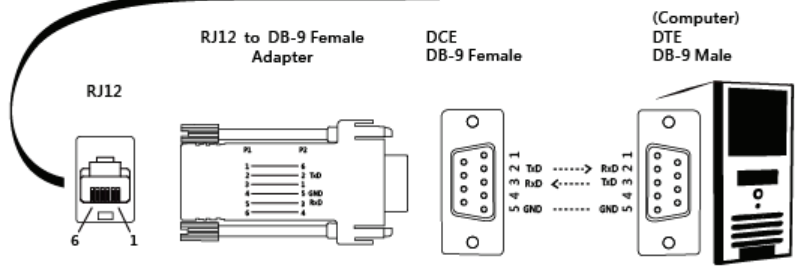
You may also need
HDMI Cable (M-to-M) 1.8m for HDMI A/V source connection
Serial Cable (straight type, male-female)
Other transmitter and repeater
Other repeater(s)
Optional
IR Sensor Kit
RJ12 Cable + RJ12 to RS232 Adapter*

*Note:

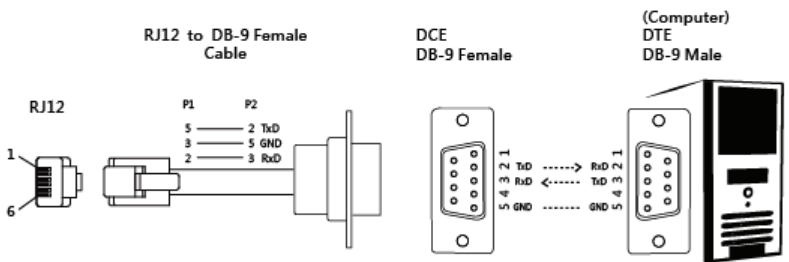
If users want to use other RJ12 to RS-232 converter, please make sure that pin connection must follow what showed in the following diagram.



Method 1:

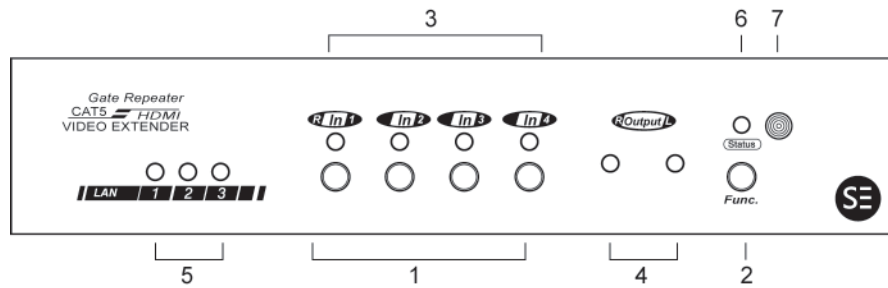


Method 2:



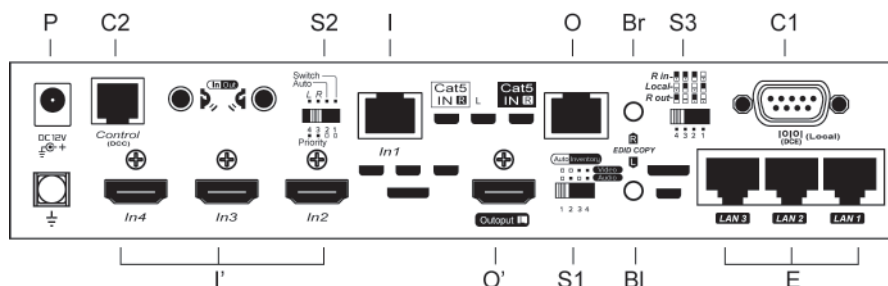
IV. Product Description

Front Panel (SW4I-03457-100)



1	Select Button	Port selection
2	Function Button	System Configuration
3	Input Port LED	<u>Green/Blue</u> : Port selected <u>Flashing</u> : Programming
4	Remote Output LED	<u>Green/Blue</u> : Power on <u>Flashing</u> : Programming
5	LAN Port LED	<u>Orange</u> : Link to Ethernet device <u>Off</u> : Unlink
6	Status LED	<u>Green</u> : Power on <u>Blue</u> : Stand-by mode
7	IR Sensor	IR remote controller sensor

Rear Panel (SW4I-03457-100)



I	Video Input Port	Connect to an HDMI source
I'		Connect to HDMI sources (depend on model)
Ro	Remote Output Port	Connect to a receiver
Lo	Local Output Port	Connect to an HDMI display
S1	EDID Setting Switch	See the diagram of <i>EDID Setting Switch</i>
S2	EGO Slide Switch	See the diagram of <i>EGO Slide Switch</i>
S3	RS232 Slide Switch	See the diagram of <i>RS232 Slide Switch</i>
Bl	EDID Copy Button (Local)	Copy EDID compliant display (Audio & Video)
Br	EDID Copy Button (Remote)	
C1	Serial Port	Connect to PC for serial extension
C2		Connect to PC for serial console
E	RJ45 connector	Connect to Ethernet devices (depend on model)
P	Power Supply	Apply power to the unit

EDID Setting Switch



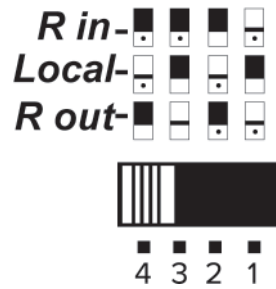
Mode	Video	Audio
1	Auto	Auto (Min.)
2	Auto	Inventory
3	Inventory	Auto (Min.)
4	Inventory	Inventory

EGO Slide Switch



Mode	Description
Switch	Press [Kn] button to select Source-N; all monitors display Source-N NOTE: When switching from other modes to Switch mode, all monitors display Source-1 (CATx IN R). But if there's no source detected in Source-1, it's required to manually press the button for other source selection.
Auto	System will automatically select the latest video source for display NOTE: When switching from other modes to Auto mode, all monitors display Source-1 (CATx IN R). But if there's no source detected in Source-1, the system will automatically display the latest video source.
Priority-R	Remote input source (CATx IN R) has the highest priority Priority: Source-1 (CATx IN R) > Source-2> Source-3> Source-4 NOTE: When switching from other modes to Priority-R mode, all monitors display Source-1 (CATx IN R). But if there's no source detected in Source-1 (CATx IN R), the system will automatically display the next video source (follow Priority-R order).
Priority-L	Local input source (HDMI IN 2) has the highest priority Priority: Source-2 (HDMI IN 2) > Source-3> Source-4> Source-1 (CATx IN R) NOTE: When switching from other modes to Priority-L mode, all monitors display Source-2 (HDMI IN 2). But if there's no source detected in Source-2 (HDMI IN 2), the system will automatically display the next video source (follow Priority-L order).

RS232 Slide Switch



Mode	Connection	Description
1	R out connects to Local	Two-Way Communication between the unit (Repeater) and Receiver
2	R out connects to R in	1. Two-Way Communication between Transmitter and Receiver 2. Receiver can send commands to the unit (Repeater)
3	R in connects to Local	Two-Way Communication between the unit (Repeater) and Transmitter
4	R in connects to R out	1. Two-Way Communication between Transmitter and Receiver 2. Transmitter can send commands to the unit (Repeater)

V. Installation

WARNING!

- Prior to installation, ensure to power off all devices that will be connected to this system.
- Ensure that all devices you will connect are properly grounded.
- Place cables away from fluorescent lights, air conditioners and machines that are likely to generate electrical noise.
- Please allow adequate space around the unit for air circulation.

Grounding

To prevent any damage to the product or any connecting devices, and to improve audio/video signal quality, it is important to make sure that the extender systems are properly grounded.

Device Connection

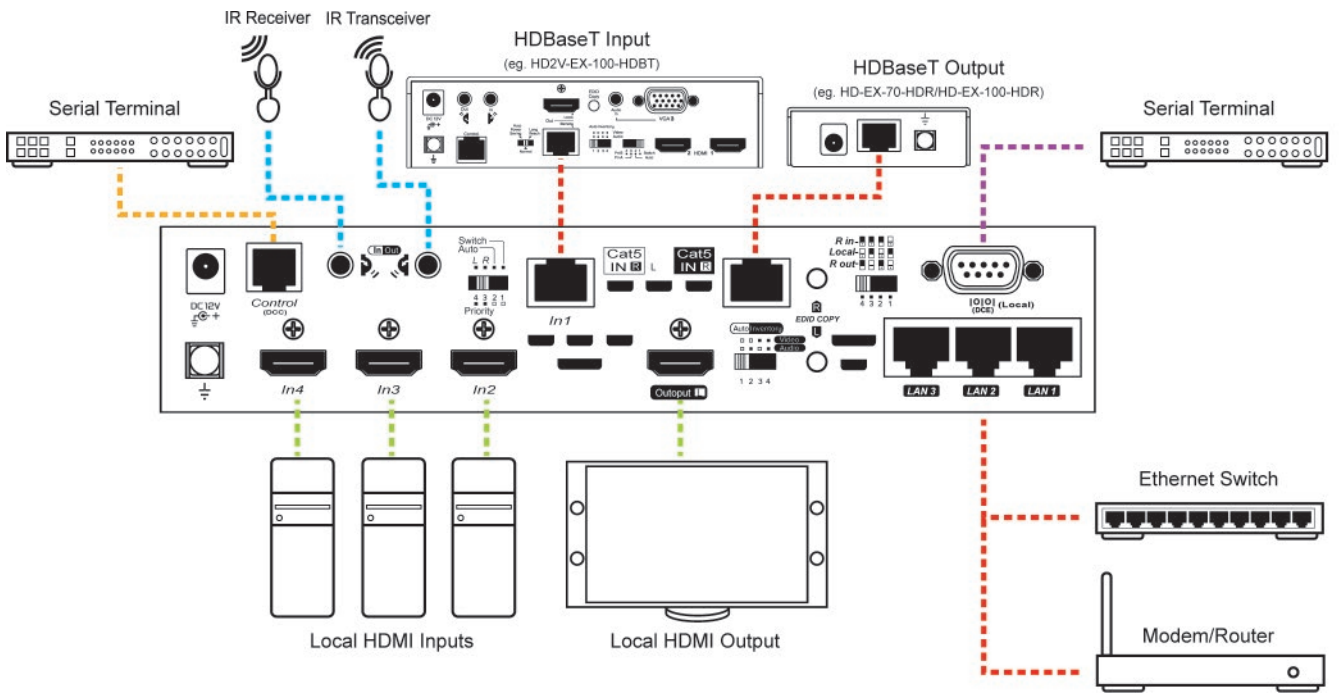
1. Use CATx cables to connect the transmitter to CATx IN **R** port and connect the receiver to CATx OUT **R**
2. Use an HDMI cable to connect the source device to the HDMI input port on the Unit. The HDMI input ports are located on the rear of the Unit.
3. Use an HDMI cable for connection between display and the Output **L** port on the Unit.
4. Apply the proper power to the Unit; then power on all the attached computers and devices.

NOTE:

If users encounter no screen display in display connection, you may

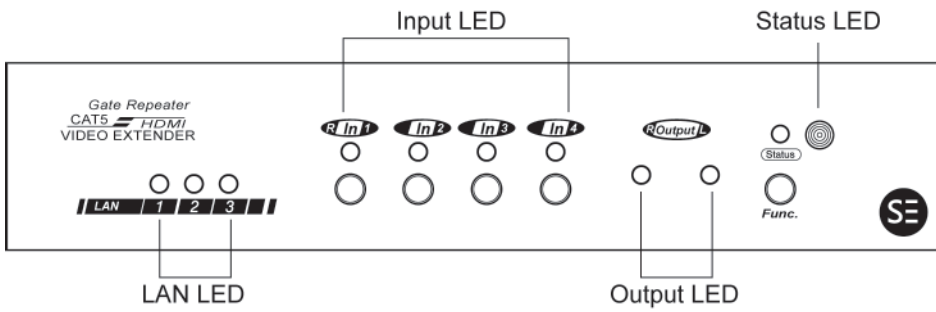
1. make sure the device cables are correctly and firmly attached.
2. set your display device's input source as HDMI.
3. check the PC BIOS configuration about the video output setting.
4. connect your computer to the HDMI Display DIRECTLY to check if the video signal gets through.
5. slide the switches to the correct positions according to your displays.
6. apply EDID Copy to your display (see EDID Setting section).

Connection Pattern



- HDMI
- RJ-45 Cable (CAT 5e / 6 / 6a)
- IR Cable
- VGA
- RJ-12 Cable

VI. LED Indicator



(SW4I-03457-100)

There are four types of LED indicators on the front panel for confirmation. And each LED indicate different status. Please refer to the following tables.

Status LED Indicator	
LED	STATUS
Steady blue	Power on
Flash blue once per 3 sec.	Stand-by mode
Flash green	Programming / IR Remote Controller Operating
Off	Power off

Input LED Indicator		Input port video source status
The selected port	Non selected port	
ON (blue)	OFF	Video source input ready
The LED emits blue and go off once per 2 sec.	OFF	No video source input

Output LED Indicator	STATUS	
	Output device ready	Output ON / OFF
OFF	Stand-by mode	
OFF	YES	OFF
Flash green once per 2 sec.	Local monitor not detected	OFF
Flash green twice per 2 sec.	Remote monitor not detected	OFF
Emit green and go off once per 2 sec.	Local monitor not detected	ON
Emit green and go off twice per 2 sec.	Remote monitor not detected	ON
Emit green and go off 3 times per 2 sec.	HDCP unmatched	ON
Steady green	YES	ON

LAN LED Indicator	
LED	STATUS
Flash orange	Link OK

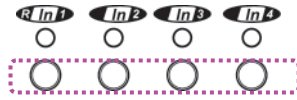
VII. Operation

Push Button Control (-1492X Series)

Users may select 1 from 4 HDMI sources and distribute to the HDMI display via push button, wireless remote and serial control. A built-in buzzer would generate a high-pitched beep for a correct push button command and a short-long beep for completing a command. Otherwise, one low-pitched beep would be generated for an error, and the bad key sequence will not be forwarded to the unit.

 = Function button

 ~  = Key1, Key2, Key3, Key4 =







1. A/V Source Selection

For selecting source 1-4, just press the corresponding push button to select the desired source.

Press  /  /  /  : Select Source1 / Source 2 / Source 3 / Source 4

2. Turn ON/OFF Remote Output Signal

To turn on or off remote output signal, you may double-click on , press  to enter this setting, press  to enable/disable signal, and finally press  to exit the setting.

Double-click 

→ Press 


→ Press  (Toggle ON/OFF Remote Output Port)

→ Press  to exit

3. EQ Adjustment



To optimize video quality, users can adjust the video equalization (sharpness) for all video input ports through push button configuration. Since 8 levels for EQ adjustment are provided, the Remote Output LED emits blue to indicate level 1-4 is selected, while it emits red to indicate level 5-8 is selected.

Tip: Double-click  → press  (enter EQ Adjustment mode)

→press  (press 1~8 times based on video quality. 8 levels: Blue-level 1-4; Red-level 5-8)


→press 

4. Turn ON/OFF Beep sound

Users may enable or disable beep sound by double-clicking  and then press  to enable or disable beep sound.

Tip: Double-click  → press  (toggle)

5. Stand-by Mode

To have the system switch to stand-by mode, press  button for 3 sec. and release right after the Status LED flashes green. Then when the Status LED is off, the system is in the stand-by mode. And just follow the same steps to wake up from stand-by mode.

Tip: press  (3sec.) → Status LED flashes green → release 

6. Factory Default Setting

In case your settings are misbehaving, resetting it to the factory default might be just the way you are looking for. To return all settings to factory state, you can press and hold the buttons **1** and **2**, and then press and hold **3** and **4**. Next, release **3** and **4**, and then release **1** and **2**.

Tip: Press and hold **1** + **2** → Press and hold **3** + **4**
 → Release **3** + **4** → Release **1** + **2**

7. EDID Setting

In some cases display problems may occur due to incorrect EDID communication between the display monitor and the unit or inappropriate EDID data programmed by display manufactures. This function allows the system either to read the necessary EDID information from the unit or to copy EDID from EDID compliant displays. For more details and functions, please consult the following statements.

7-1. EDID Copy

If the unit is insufficient for EDID of the attached displays, it is suggested to copy EDID from the displays. Before starting, slide EDID Setting Switch to the desired position.



Mode	Video	Audio	
1	Auto	Auto (Min.)	--
2	Auto	Inventory	Copy Audio EDID
3	Inventory	Auto (Min.)	Copy Video EDID
4	Inventory	Inventory	Copy all EDID

Copy Local Monitor EDID

Method 1

Step 1. Apply power to the unit.

Step 2. Connect the (EDID compliant) monitor to local output port of the Unit and power on the monitor.

Step 3. Press and hold the button "**L EDID COPY**" for 3~5 sec. and release the button RIGHT AFTER the Status LED flashes **GREEN**.

Result. If the Status LED returns to normal status, indicating that the EDID Copy is completed.

Method 2

NOTE: Before starting, power off the unit and connect monitor to local output port of the Unit

Step 1. Press and hold the button "**L EDID COPY**"

Step 2. Apply power to the unit.

Step 3. Release right after the Status LED flashes **GREEN**. (3~4 sec.)

Result. If the Status LED returns to normal status, it indicates that the EDID Copy is completed.

Copy Remote Monitor EDID

Method 1

Step 1. Apply power to the unit.

Step 2. Connect the (EDID compliant) receive side monitor to "OUT1" of the Unit and power on the monitor.

Step 3. Press and hold the button "**R EDID COPY**" for 3~5 sec. and release the button RIGHT AFTER the Status LED flashes **GREEN**.

Result. If the Status LED returns to normal status, indicating that the EDID Copy is completed.

Method 2

NOTE: Before starting, power off the unit and connect receiver side monitor to OUT1 of the Unit

Step 1. Press and hold the button “**R EDID COPY**”

Step 2. Apply power to the unit.

Step 3. Release right after the Status LED flashes **GREEN**. (3~4 sec.)

Result. If the Status LED returns to normal status, it indicates that the EDID Copy is completed.

Otherwise, the LED flashes **RED** indicating that:

- a. The monitor is not properly connected.
- b. The monitor is not powered on.
- c. EDID data of the monitor is not applicable.
- d. The CATx cable is not well-connected.

7-2. EDID Emulation

After EDID Copy, you may slide EDID Setting Switch to the desired position and apply the copied EDID to the display.



Mode	Video		Audio	
1	Va).	Auto	Aa).	Auto (Min.)
2	Va).	Auto	Ai).	Inventory
3	Vi).	Inventory	Aa).	Auto (Min.)
4	Vi).	Inventory	Ai).	Inventory

Va). Video Auto Mixing: Automatically optimize all valid video outputs for minimum requirement

Aa). Audio Auto Mixing: Automatically perform the minimum audio format of all attached displays

Vi). Video Inventory: After copying Video EDID, use the copied Video EDID to the connected display

Ai). Audio Inventory: After copying Audio EDID, use the copied Audio EDID to the connected display

IR Remote Control

Users can remote control the device within the range of 5 meters. Please refer to the following for more details.

NOTE: The numeric keys on the left of the controller represents each output on the rear panel (marked in dark grey area) and while the right stands for the input displays (marked in light grey area). For other function keys, please refer to the picture as shown on the right of this page.

Please note the following descriptions:

Mn (output/monitor): buttons M1 ~ M2 on the left side of remote controller

Sn (input/source): buttons 1 ~ 4 on the right side of remote controller



1. A/V Source Selection

For source 1-4, just press the related push button on the right side of the controller.

Tip: Press **Sn** (right): Select Source-n

2. Turn ON/OFF Remote Output Signal

To turn on or off remote output signal, you may press the output port first, and then press **VIDEO**.

Tip: Press **M1** / **M2** (left) and then press **VIDEO** (toggle)

3. EQ Adjustment

To optimize video quality, users can adjust the video equalization (sharpness) for all video output ports through push button configuration. Since 4 levels for EQ adjustment are provided, the output LED flashes blue to indicate level 1-4 is selected and while it flashes red indicating level 5-8 selected. Press **VIDEO** and press **4** (right) to enter video adjustment mode. Next, press **4** repeatedly to adjust EQ level. And lastly press **VIDEO** to exit the setting.

Tip: **VIDEO** → **4** (right) (enter this mode) → **4** (right) (press 1~8 times based on video quality) → **VIDEO**

4. Multi- Unit Application

Up to 16 units can share one remote controller. In order to avoid ambiguities in receiving commands simultaneously, ID setting for each unit is strongly recommended.

4-1. ID Setting via IR Remote Controller

This function is designed to name the units via push buttons on the front panel and the remote controller. Please follow the steps below.

Step 1 Power OFF the unit.

Step 2 Press and hold **F** on the panel of the unit.

Step 3 Power ON the unit.

Step 4 Release **F** RIGHT AFTER Status LED flashes red.

Step 5 IMMEDIATELY (within a second or two) press one of the numbers from **1** to **10** or **x10** and **1~6** on the

RIGHT side of the IR remote controller to set it as the unit controller ID.

For example, press the number **4** (right). This sets the unit IR remote controller ID as 4. To set the unit IR remote controller ID as 15, press the number **x10** and then **5** (right) on the right side of the controller.

The idle time out is 10 sec.

NOTE: If the controller ID set-up is needed for more than one unit, follow above Steps 1 to 5 with other units.

To reset ID, follow **Step 1** to **Step 4** but

Step 5 IMMEDIATELY (within a second or two) press **VIDEO** of IR remote controller.

4-2. ID Operation via IR Remote Controller

Each unit will respond to the same signal from the IR remote controller whenever the units are powered up. To prevent the above case, after numbering the unit, users need to press and hold “**SHIFT**” and then press **ID (n)** on the IR remote controller first. Afterwards, this unit will beep once. It means this unit is ready to accept the oncoming commands via the IR remote controller.

Tip: **SHIFT** + **n** (***n** represents the **RIGHT** numeric keys in light grey area)

NOTE:

Because all units assume their IDs are active after re-powering up, the user needs to press “**SHIFT**” + **ID** again to give commands to a certain unit.

----- **Serial Configuration**

The **4K2K HDMI CATx Gate Repeater**'s built-in serial interface allows users to control the unit via serial control. Please follow the installation and operation steps as shown below.

NOTE: Use the following cable for serial connection



Serial Cable (straight type, male-female)

If there's no serial connector on your computer, you may use USB-to-serial adapter for connection.

The configuration of controller's serial port is shown as below.

Baud Rate	38,400 bps
Data Bits	8
Parity	None
Stop Bits	1
Flow Control	None

I. Simple Serial Connection

Connect and power on the Unit, and then set up serial configuration, such as correct baud rate and com port. After that, you can directly enter the serial commands. All the valid serial commands are listed below.

CE=n,a1,a2	<p>Copy EDID to all input ports</p> <p>n: Method. a1,a2: Options</p> <p>1, Default EDID (1080p) a1,a2 not required</p> <p>2, Copy EDID from a specified display a1: output display index (1~2), a2: not required</p> <p>3, Make 1024 x 768 EDID</p> <p>4, Make 1280 x 800 EDID</p> <p>5, Make 1280 x 1024 EDID</p> <p>6, Make 1360 x 768 EDID</p> <p>7, Make 1400 x 1050 EDID</p> <p>8, Make 1440 x 900 EDID</p> <p>9, Make 1600 x 900 EDID</p> <p>10, Make 1600 x 1200 EDID</p> <p>11, Make 1680 x 1050 EDID</p> <p>12, Make 1920 x 1080 EDID</p> <p>13, Make 1920 x 1200 EDID</p> <p>14, Make 1920 x 1440 EDID</p> <p>15, Make 2048 x 1152 EDID</p>
------------	---

	16, Make 2560 x 1440 EDID 17, Make 2560 x 1600 EDID 18, Make 3840 x 2160 EDID 19, Make 4096 x 2160 EDID a1: video options 1, DVI 2, HDMI(2D) 3, HDMI(3D) a2: audio options 1, LPCM 2 ch 6, Dolby TrueHD 7.1 ch 11, MPEG4 AAC 5.1 ch 2, LPCM 5.1 ch 7, Dolby E-AC3 7.1 ch 12, 5.1 ch combination 3, LPCM 7.1 ch 8, DTS 5.1 ch 13, 7.1 ch combination 4, Dolby AC3 5.1 ch 9, DTS HD 5.1 ch 5, Dolby TrueHD 5.1 ch 10, DTS HD 7.1 ch
AVI=n	AV Input Port (n: 1~max)
OLE	Enable Local Output (AV)
OLD	Disable Local Output (AV)
ORE	Enable Remote Output (AV)
ORD	Disable Remote Output (AV)
VS	View settings
PI	Product information
EQ=n	Set EQ level (n:1~8)
IVG=n	Set input VCO Gain level as n (1~8)
OVG=n	Set output VCO Gain level as n (1~8)
FACTORY	Reset as factory default setting
REBOOT	Reboot device
RCID=n	Remote Control ID n: 0 - Reset as null (always respond to IR signals) 1~16 - Valid ID
BEEP=n	Beep on / off n: 0 - Off 1 - On
TI=n	Set Terminal Interface n: 0 - Human 167 - Machine
LCK=n	Lock / Unlock device n: 0 - Unlock 167 - Lock

II. GUI over Serial

(Note: The real system interface and operation may be further updated. Be sure to operate the system according to the latest GUI system.)

A. Installing Application

The serial console (PC) with Windows 98/2000/XP/Vista/7 is needed to install the required software. Please follow the step-by-step instructions as listed below.

All the interfaces shown in this section are for Windows 98 and above. Some of the details may be slightly different in other versions of Windows.

Install the "**AV Console Center**" driver (Windows 98 and above)

Insert the CD into the CD/DVD-ROM drive and browse:

There are two ways to install the driver.

- a) Manually copy the file "**TuApp.exe**" to the Windows platform and run it directly.
- b) Run "**Setup.exe**" to automatically install the program on the Windows platform. The "**Setup.exe**" will create a shortcut "**AV Console Center**" on the desktop, and a program group called "**AV Console Center**".

B. Uninstalling Application

The uninstall procedure differs according to the way you installed the program.

- a) If you have manually installed the program, you can just manually delete the file "**TuApp.exe**" from the Windows platform.
- b) If you have installed "**Setup.exe**" before, you have two ways to uninstall the application. One is to uninstall "**AV Console Center**" from the Control Panel in Windows. The other is by clicking the "Uninstall" icon from the "**AV Console Center**" program group.

C. Description & Operation

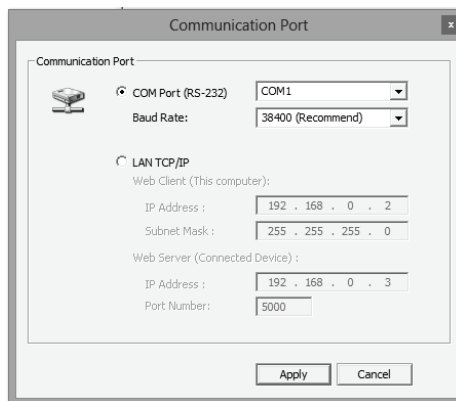
The Graphical User Interface (GUI) is designed for simple and user-friendly operation. We divide this application into two parts—Basic Operation and Advanced Operation. For more information, please refer to the following instructions.

Basic Operation

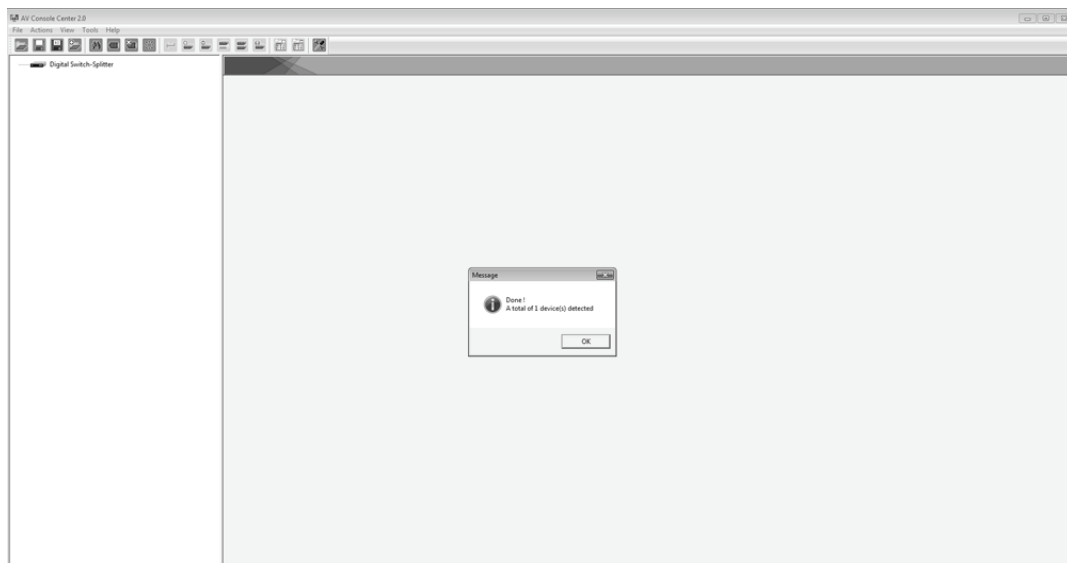
1. GUI Connection

After software installation, connect the *DB9 RS-232 serial cable* (straight type male-female) to the serial port of **Gate Repeater**, and connect the other end to the serial port (COM1, COM2...) of your computer. Next, open *Program files* on Windows and then click “*AV Console Center*” to start GUI operation.

Step 1. Check “COM Port” and choose the proper serial port you connect, such as COM1, and set the Baud Rate as “38400”.



Step 2. A dialog box will pop out indicating the device(s) is/are successfully detected.



2.5 Help: Show the software version and copyright information.

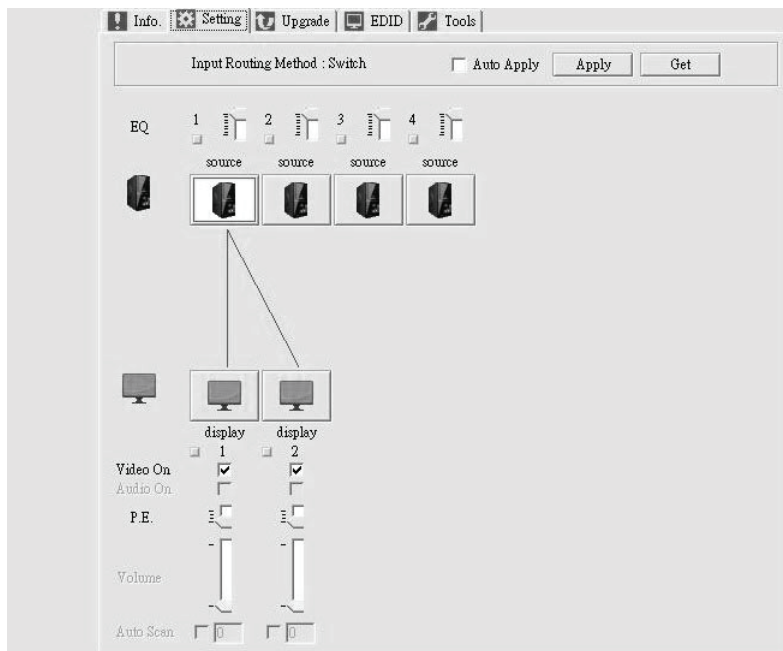
3. Function Description



The overall GUI functions would be described in the following, with four sections included: Info, Setting, EDID, and Tools.

3.1 Info: Show information and features.

3.2 Setting: In this section, users can set up port connection, enable or disable audio/video independently, etc. By default, the system will automatically apply source 1 routing to all displays as shown below.



3.2	Option	Function
1	Auto apply	Automatically apply settings. It is not suggested checking this option for it may result in loading down the system.
2	Apply	To implement the current settings
3	Get	Detect and show the current setting status.
4	Source Icon*	Double-click the icon and there will be a pop-up menu. Users can change the picture (.ico file with 32x32 or 36x36 pix) and give an alias to the source or display. ◆ Linking:
5	Display Icon*	Click one of the source icons and the desired display(s). After that, click “Apply” to implement the current settings.
6	Volume	Adjust output volume and control the overall level of sound.

***Changing Source/Display Icon:**

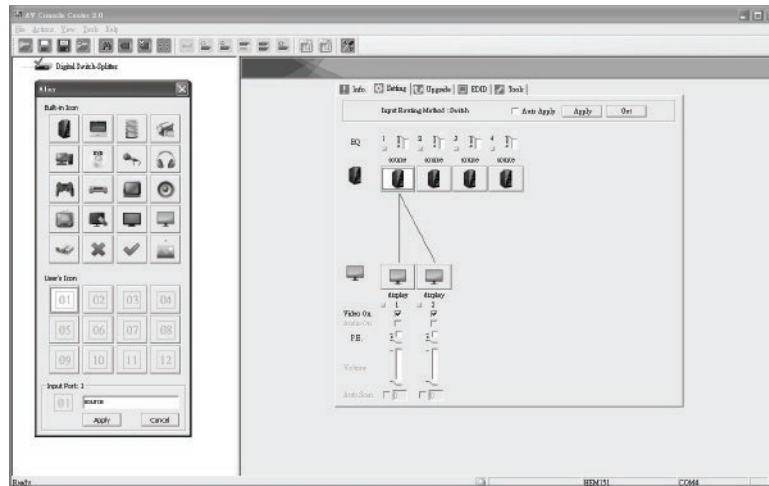
Double-click the source/display icon and there will be a pop-up window. Users may change the icon and name the selected source or display.

1. Name the display/source: click the corresponding icon and key in any name you want.

2. Change the icon

a) Built-in Icons:

The GUI application provides commonly used icons (*Built-in Icons*) as shown on the upper side of the pop-up window.



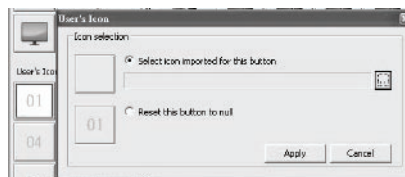
b) User's Icon - Reset the button to null

As shown on the lower side of the pop-up window, double-click the icon (01-12) and a dialogue box will pop out. Click this option to set the icon as blank.



c) User's Icon - Import icon file (.ico) for this button

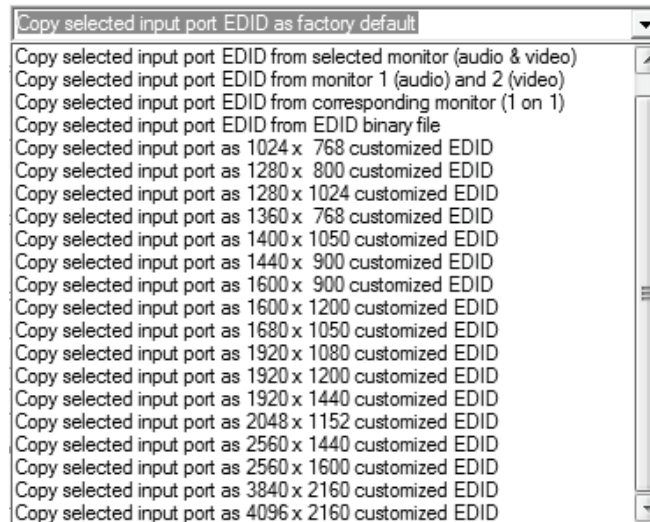
As shown on the lower side of the pop-up window; double-click the icon (01-12) and a dialogue box will pop out. You can upload your own icon but the format should be *.ico file* with 32x32 or 36x36 pix.



Advanced Operation

3.5 EDID: Users can not only select the desired ports to copy EDID via multiple methods but also use built-in EDID for all connected monitors. Through *Inventory EDID*, users can either select the desired input ports to copy EDID via multiple methods, or backup all EDID into inventory for future use. As for *Built-In EDID*, it provides multiple options for all connected output ports.

3.5	Option		Function
1	Inventory EDID	Make EDID	Copy EDID to the selected input port(s).
2		Backup All EDID	Click this item to reserve EDID from all input ports and monitors.
3		Method	Up to 22 methods of EDID copy are provided. See the diagram below.
4	Built-In EDID		All connected monitors use the selected built-in EDID; resolution ranging from 1024 x 768 to 4096 x 2160.



Method	Operation Steps
Copy selected input port EDID as factory default	<p>Step 1. Check the desired input port(s) or check <i>All input ports</i> to select all.</p> <p>Step 2. Click <i>Make EDID</i>.</p>
Copy selected input port EDID from selected monitor (audio & video)	<p>Step 1. Check the desired input port.</p> <p>Step 2. Select <i>Monitor 1</i> (next to <i>Method</i>)</p> <p>Step 3. Click <i>Make EDID</i>.</p>
Copy selected input port EDID from corresponding monitor (1 on 1)	<p>Step 1. Check the desired input port(s) or check <i>All input ports</i> to select all.</p> <p>Step 2. Click <i>Make EDID</i>.</p>
Copy selected input port EDID from *EDID binary file	<p>*EDID binary file: A file that store EDID information</p> <p>Step 1. Check the desired input port(s) or check <i>All input ports</i> to select all.</p> <p>Step 2. Click <i>Make EDID</i>.</p> <p>Step 3. Select the desired binary file.</p>
Copy selected input port as *1024 x 768 customized EDID	<p>*Customized EDID: selectable resolution ranging from <i>1024 x 768</i> to <i>2048 x 1152</i></p> <p>Step 1. Check the desired input port(s) or check <i>All input ports</i> to select all.</p> <p>Step 2. Click <i>Make EDID</i>.</p>

3.6 Tools: Allow users to set up RTC (Real-time clock) and Remote Controller ID. RTC Calibration features Auto-Calibration and Manual-Calibration. As for Remote Controller ID, since up to 16 units can share one remote controller. Therefore, it is designed to name the units for fear of confusion when receiving multiple commands simultaneously.

----- Specification

Model		Gate Repeater
		SW4I-03457-100
Video Input		(Remote) RJ-45 x 1 (Local) HDMI x 3
Video Output		(Remote) RJ-45 x 1 (Local) HDMI x 1
Ethernet Extension		RJ-45 x 3 (10/100 Mbps)
IR Extension		x 2 (Transceiver x 1 + Receiver x 1)
Video Resolution (Max.)		UHD (3840 x 2160)
Extension Distance		100M
LED Indicator	Status LED	1
	Input LED	4
	Output LED	2
Slide Switch	Audio/Video EDID Setting	Audio/ Video / Inventory
	EGO (Advanced Auto-sensing) Setting	Switch / Auto / Priority-R
	Serial Linking Setting	Link Mode x 4
Push Button	Function	x 1
	Source Selection	x 4
	EDID Copy	x 2 (Local x 1 + Remote x 1)
Serial Port		RJ12 x 1 (for control)
		DB9-F x 1 (for extension)
Power Supply		DC 12V
Enclosure		Metal
H x W x D (mm)		34 x 190 x 125
Weight (g)		1020~1070

Limited Warranty

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