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VM-24H Quick Start Guide

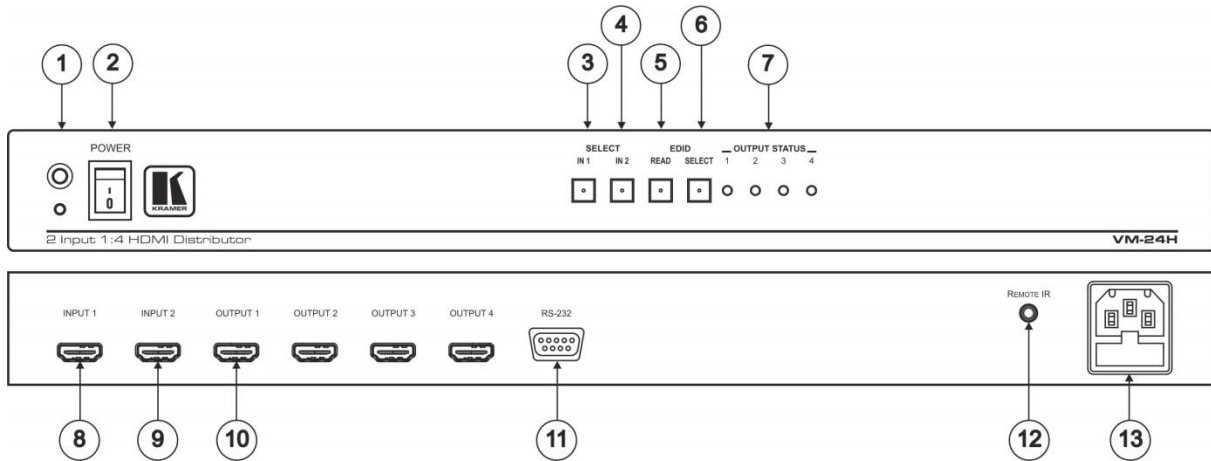
This guide helps you install and use your VM-24H for the first time.

Go to www.kramerav.com/downloads/VM-24H to download the latest user manual and check if firmware upgrades are available.

Step 1: Check what's in the box

- ✓ VM-24H 2 Input 1:4 HDMI Distributor
- ✓ 1 Set of rack ears
- ✓ 4 Rubber feet
- ✓ 1 Null modem adapter DB9S/DP9P
- ✓ 1 Power cord
- ✓ 1 Quick start guide
- ✓ Kramer RC-IR3 infrared remote control transmitter with batteries and user manual

Step 2: Get to know your VM-24H

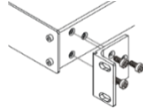


#	Feature	Function
1	IR Receiver	The red LED is illuminated when receiving signals from the Kramer infrared remote control transmitter.
2	POWER Switch	Illuminated switch for turning the VM-24H ON or OFF.
3	SELECT IN 1 Button	Press to select source 1 and distribute this signal to the outputs.
4	SELECT IN 2 Button	Press to select source 2 and distribute this signal to the outputs.
5	EDID READ Button	Press, after pressing the EDID SELECT button, to acquire the EDID (see Step 6). Press to show the EDID status.
6	EDID SELECT Button	Press to select the EDID mode (One Output, Auto-mix or Default).
7	OUTPUT STATUS 1-4 LEDs	Light when an output(s) is connected and active. Flash to indicate the type of EDID acquired or when connecting a non-HDCP display while providing HDCP content to the VM-24H.
8	INPUT 1 HDMI™ Connector	Connect to the HDMI source 1.
9	INPUT 2 HDMI Connector	Connect to the HDMI source 2.
10	OUTPUT HDMI Connectors	Connect to the HDMI acceptor (from 1 to 4).
11	RS-232 9-pin D-sub Port	Connect to the PC or the Remote Controller (see Step 4).
12	REMOTE IR Opening	Connects to an external IR receiver unit for controlling the machine via an IR remote controller instead of using the front panel IR receiver. Optional. Can be used instead of the front panel (built-in) IR receiver to remotely control the machine (only if the internal IR connection cable has been installed).
13	Power Connector with Fuse	AC connector enabling power supply to the unit.

The terms HDMI, HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

Step 3: Mount VM-24H

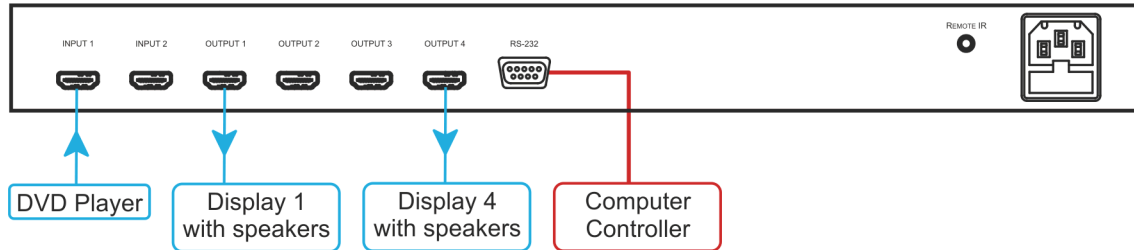
To rack mount the machine, attach both rack ears (by removing the screws from each side of the machine and replacing those screws through the rack ears) or place the machine on a table.



- Ensure that the environment (e.g., maximum ambient temperature & air flow) is compatible for the device.
- Avoid uneven mechanical loading.
- Appropriate consideration of equipment nameplate ratings should be used for avoiding overloading of the circuits.
- Reliable earthing of rack-mounted equipment should be maintained.

Step 4: Connect inputs and outputs

Always switch OFF the power on each device before connecting it to your VM-24H.



Controlling via RS-232

You can connect the VM-24H to a control device (e.g. a computer) via RS-232 using one of the following methods:

Note: If a shielded cable is used, connect the shield to pin 5.

- **Crossed cable** – connect only pin 2 to pin 3, pin 3 to pin 2, and pin 5 to pin 5.
Note: Typically, hardware flow control is not required for the VM-24H. In the rare case when a controller requires hardware flow control, short pin 1 to 7 and 8, and pin 4 to 6 on the controller side.
- **Straight (flat) cable to the null-modem adapter** – connect the null-modem adapter to the RS-232 port on the control device. Connect only the pins mentioned in the crossed cable method or, optionally, all 9 pins.



To achieve specified extension distances, use the recommended Kramer cables available at www.kramerav.com/product/VM-24H. Using third-party cables may cause damage!

Step 5: Connect power

Connect the power cord to VM-24H and plug it into the mains electricity.

Safety Instructions (See www.kramerav.com for updated safety information)

Caution:

- For products with relay terminals and GPIO ports, please refer to the permitted rating for an external connection, located next to the terminal or in the User Manual.
- There are no operator serviceable parts inside the unit.

Warning:

- Use only the power cord that is supplied with the unit.
- Disconnect the power and unplug the unit from the wall before installing.
- Do not open the unit. High voltages can cause electrical shock! Servicing by qualified personnel only.
- To ensure continuous risk protection, replace fuses only according to the rating specified on the product label which located on the bottom of the unit.

Step 6: Operate VM-24H

The VM-24H supports three modes of EDID acquisition:

- **One input** – acquires the EDID from one selected output display.
 - **Default** – uses the factory default EDID.
 - **Auto mix** – calculates and uses a weighted average of the acquired EDIDs of all connected outputs.
1. Press the EDID SELECT button to cycle through and select the required EDID acquisition mode and source.

The table shows the order of appearance when cycling through the options:

Number	EDID Option	OUTPUT STATUS LED Indication
1 – 4	One Output (1 – 4)	#1, #2, #3, or #4 flashes
5	Default	All flash simultaneously
6	Auto-Mix	All light simultaneously

2. Press the EDID READ button.
The selected EDID is acquired.