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PT-12 Quick Start Guide

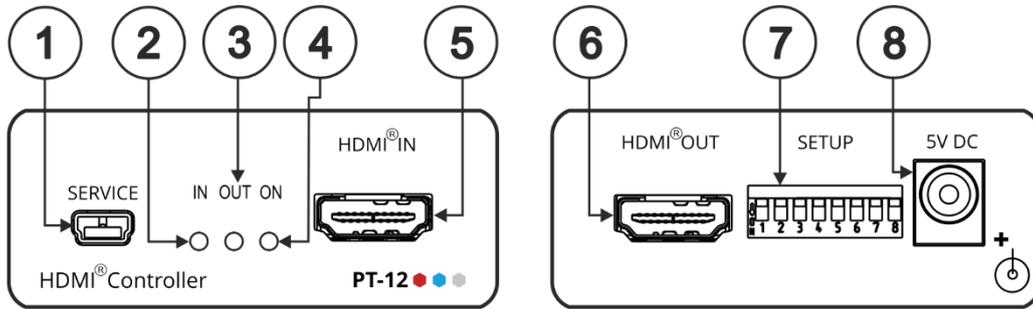
This guide helps you install and use your **PT-12** for the first time.

Go to www.kramerav.com/downloads/PT-12 to download the latest user manual and check if firmware upgrades are available.

Step 1: Check what's in the box

- PT-12** HDMI Controller
- 4 Rubber feet
- 1 Bracket set
- 1 Power adapter and cord
- 1 Quick start guide

Step 2: Get to know your PT-12



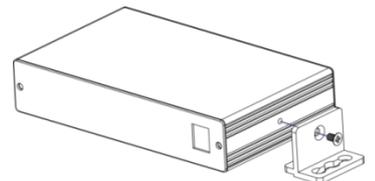
#	Feature	Function
1	SERVICE Mini USB Connector	Connect to a PC/laptop running EDID Designer to modify the EDID, control PT-12 via P3K protocol or to update its firmware.
2	IN LED	Lights green when an HDMI active signal source is connected to the input.
3	OUT LED	Lights green when an HDMI acceptor is connected to the output. Flashes three times upon successful load of the designed EDID and then resumes to normal operation.
4	ON LED	Lights green when power is connected.
5	HDMI® IN Connector	Connect to an HDMI source.
6	HDMI® OUT Connector	Connect to an HDMI acceptor.
7	SETUP DIP-Switches	Set the device behavior, defined in the DIP-switch setup table.
8	5V DC Power Connector	Connect to the supplied power adapter.

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

Step 3: Install PT-12

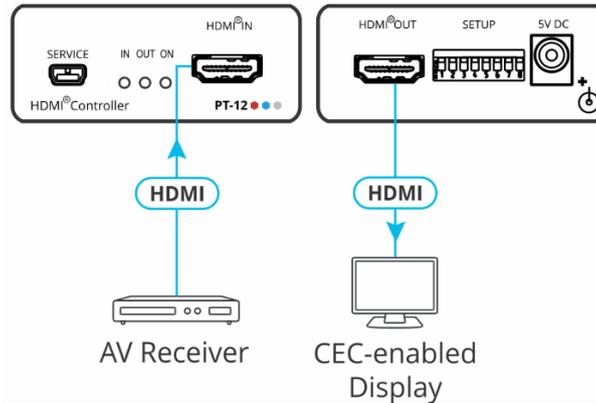
Install **PT-12** using one of the following methods:

- Attach the rubber feet and place the unit on a flat surface.
- Fasten a bracket (included) on each side of the unit and attach it to a flat surface. For more information go to www.kramerav.com/downloads/PT-12.
- Mount the unit in a rack using the recommended rack adapter (see www.kramerav.com/product/PT-12).



Step 4: Connect the input and output

Always switch OFF the power on each device before connecting it to your **PT-12**. For best results, we recommend that you always use Kramer high-performance cables to connect AV equipment to **PT-12**.



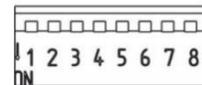
DIP-switch setup

A switch that is down is on; a switch that is up is off. By default, all the switches are up (off).



Note that you can set color space as pass-through (default) or RGB color space via P3K commands.

SETUP



#	Feature	Description		
1	EDID Lock	Off (up)—Lock the current EDID so that changes on the output do not result in changes to the EDID. On (down)—EDID is passed-through and acquired automatically.		
2	Deep Color	Off (up)—Limit color depth to 8 bits per color. On (down)—Pass-thru color depth parameters.		
3	Audio Pass-through	Off (up)—Audio transmission is limited to 2-channel LPCM only. On (down)—Audio transmission is passed-through. Audio pass-thru setup takes-effect only when DIP-switch 1 is Off (EDID locked), otherwise ignored.		
4	HDCP Operation	Off (up)—HDCP is disabled: The input port declares that HDCP is not supported even when HDCP is detected on the output port. On (down)—HDCP is enabled: If the sink supports HDCP, the input port declares HDCP support and actively handles HDCP on the output and input port. If the sink does not support HDCP, the input port declares that HDCP is unsupported.		
5	CEC Control	Off (up)—CEC auto on/off control is enabled. On (down)—CEC auto on/off is disabled.		
6, 7	Display Auto Shutdown	Enable/disable auto shutdown delay (before 5V output cut-off) of the connected display (via output 5V-off setup) when no active input signal is detected.		
		DIP 6	DIP 7	Delay before Auto Shutdown (before 5V output cut-off)
		Off	Off	Auto Shutdown is disabled
		On	Off	5s
		Off	On	1m
	On	On	15m	
8	CPU FW Upgrade	Off (up)—Normal operation mode. On (down)—CPU firmware upgrade mode. When set to ON the device is inactive.		

Step 5: Connect the power

Connect the 5V DC power adapter to **PT-12** and plug it into the mains electricity.

Safety Instructions



- Caution:** There are no operator serviceable parts inside the unit.
 - Warning:** Use only the Kramer Electronics power adapter that is provided with the unit.
 - Warning:** Disconnect the power and unplug the unit from the wall before installing.
- See www.KramerAV.com for updated safety information.