

Presenter[™] Products





3 SKUs are all you need

To replace all interfaces, scalers, switchers, splitters and matrixes, big or small



Why you need it:

 If you are using interfaces, scalers, switchers, splitters, matrix switchers of any size and scalers, you need the Presenter products

Features and benefits:

- Revolutionary products to replace the centralized switching and distribution
- 1 transmitter (Tx) SKU and 1 receiver (Rx) SKU (optional Node) does it all; much simplified inventory control, system design and installation; see system diagrams
- · Completely scalable; you can add more Tx or Rx boxes on the fly for expansion
- Only 1 Cat6 cable needed to connect the adjacent Presenter Tx or Rx; no more heavy clusters of cables; very easy cable pull and termination
- HDMI 2.0 4k 24 Hz, 32 audio channels, 1536 kHz audio sample rates, 21:9 aspect ratio, dynamic AV sync, CEC extensions, 3D, deep color compliance
- Compatible with all signal formats, VGA/audio, HDMI, DisplayPort (150 models)
- Built-in scaler for mixed signal formats and resolutions in a system (150 models)
- · No compression; full 18 Gbps bandwidth; virtually no propagation delays
- "Show Me" control button on every Tx box gives every user the simple control; no other control system needed
- Additional control devices can be inserted anywhere in the chain via RS-232

- One controller connected to one Presenter can control all Luxi Presenters in the chain and all other devices connected to Luxi Presenters via RS-232
- Ethernet port on every Presenter for convenient system wide internet access
- Sophisticated yet easy to use automatic system mapping and control software
- Signals can be transmitted up to 1000 m (3300') with multiple daisy-chained devices up to 33 m (110') each span
- Extenders to extend the distance for each span when needed
- Node to connect multiple chains to form large matrix systems
- RJ45 connectors with standard EIA 568B pinout for max compatibility
- Remote power capability
- Rack mountable, under table mountable, above projector mountable metal enclosures

Comparison 1:

In traditional systems, cable installations are very difficult







In Presenter systems, there's only one Cat6 cable at any point of the system (in and out from the yellow connectors); no more centralized switchers!



Comparison 2

In traditional systems, there are thousands of models with hundreds of I/O sizes and tens of signal formats you need to stock to fit varies applications

4	8	12	15	16	18	20	24	28	32	36	40	44	48	52	56	60	64
<u>4x4</u>	<u>8x4</u>	12x4	<u>15x15</u>	16x4	18x18	20x4	24x4	28x4	32x4	36x4	40x4	44x4	48x4	<u>52x4</u>	<u>56x4</u>	60x4	64x32
<u>4x8</u>	8x8	<u>12x8</u>		16x8		20x8	24x8	28x8	32x8	36x8	40x8	44x8	48x8	52x8	<u>56x8</u>		64x48
4x16	8x16	12x12		16x12		20x12	24x12	28x12	32x12	36x12	40x12	44x12	48x12	52x12			64x64
4x20	8x20	12x16		16x16		20x16	24x16	28x16	32x16	36x16	40x16	44x16	48x16				
4x24	8x24	12x20		16x20		20x20	24x20	28x20	32x20				48x32				
4x28	8x28	12x24		16x24		20x24	24x24	28x24	32x24				48x48				
4x32	8x32	12x28		16x28		20x28	24x28	28x28	32x28				48x64				
4x36	8x36	12x32		16x32		20x32	24x32	28x32	32x32								
4x40	8x40	12x36		16x36					32x48								
4x44	8x44	12x40		16x40					32x64								
4x48	8x48	12x44		16x44													
4x52	8x52	12x48		16x48													
4x56	8x56	12x52															
4x60																	



In Presenter systems, these models are all you need for any systems



Comparison 3

In traditional conference room systems, you need to run a bundle of VGA cables into the floor and to the switcher, you need control systems, scalers to convert VGA or HDMI, and the system is not expandable





In Presenter conference rooms, you only need to run one Cat6 cable between Tx boxes, and one Cat6 cable to the projector; the Show Me button can replace the control system; VGA, HDMI and DP are all working together and the system is scalable



Luxi Presenter™ Products Summary

Series	100s							300s				ed by & 600s	600s				
Model		TPR-110CR	RPR-110CR	TPR-150CR	RPR-150CR	EPR-100CR	NPR-144CR	TPR-310CR	RPR-310CR	TPR-350CR	RPR-350CR	EPR-300CR	NPR-344CR	TPR-610CR	RPR-610CR	TPR-650CR	RPR-650CR
Part Number	74-017-01	74-020-01	74-018-01	74-021-01	74-019-01	74-022-01	74-023-01	74-026-01	74-024-01	74-027-01	74-025-01	74-028-01	74-029-01	74-031-01	74-030-01	74-032-01	
Function	Transmitter	V		V		7.		V		V				V		V	
9.1903.05761023.030	Receiver		V		V				V		√				√		√
	Extender		- 1			V						1					
	Node						V						√				
Signal Inputs	HDMI	V	i i	N.				√		l √				V		1	
	VGA/Audio		- 0	V						1						1	
	DisplayPort			7						1						V	
Signal	HDMI		V		V				V		V				√		√
	VGA/Audio				V						√						√
Built-in High Quality Scaler				1	V					√	V					V	\ \
Automatic Input Switching				\vee						\vee					0	V	
HDCP Compliant									100	es							
EDID Management		j .					2		Y	es					35		
Number of Chain Inputs		1	1	1	1	1	4	1	1	1	1	1	4	1	1	1	1
Number of Chain Outputs		1	4	1	1	1	4	1	1	1	1	1	4	1	1	1	1
Max total data rate per cable		18 Gbps															
	hain Cable		Single Cat6 or Cat5 or Cat7 cable														
Max Distance		33 m (110') 15 m (50')															
(720p)	Total Chain (*1)								1000 m				_				
Number of	Without a Node	1	1	1	1	1		3	3	3	3	3/6		6	6	6	6
Traffice a market filter and to a se	With One Node	4	4	4	4	4	4	12	12	12	12	12	12/24	24	24	24	24
Signal Feeds									Unlir	nited							
(*2) (*3) Nodes		Yes															
Bi-directional Audio Signal Compression		No Yes															
		No No															
Propagation Delay (*4) RS-232 Local Device		Yes															
Controls	Remote Device		Yes														
3rd Party Device										es							
	Front Panel	V		V				V	, ·	I√	r —			V	T	I √	Т
	Remote Port	V		V				Ì		V				V		V	
Power over Cat6 (*5)		Yes															
Ethernet Hub	LDD AUTA									es							
Rack Mountable			Yes														
Replacing	Interfaces/Baluns	V	1	1	V	V		√	√	√	√	\		√	\	√	√
Traditional	Switchers	V	V	1	V		√	√	V	V	V		√	1	1	V	V
Products of	Splitters	V	V	V	V		V	√	V	V	√		V	1	V	V	V
Any I/O Sizes	Matrix Switchers						V	V	V	V	V		√	1	V	V	V
ame t alise associa	Scalers		- 0	1	V				1 12	V	V					V	V
	and the state of t										-						

Green color marks the shipping products

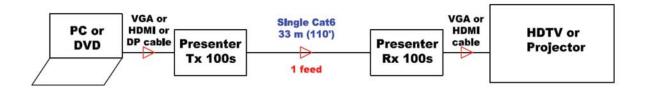
Notes

- (*1) The max total chain distance could be limited by the memory allocated for registering the device IDs
- (*2) The number of simultaneous signal feeds only represents the number of signals can be selected at a given time; it does not limit how many sources and displays on that chain.
 - In baluns, switchers, splitters and scalers applications, by definition only one signal is selected at a time no matter how big the system is.
 - In matrix applications, if the number of sources is greater than the number of allowed feeds, only a portion of sources can be selected at a time; if the number of displays is greater than the number of allowed feeds, all displays will still have pictures, just some share the same pictures.
- (*3) The max number of sources and displays could be limited by the memory allocated for registering the device IDs.
- (*4) The propagation delay time is virtually zero; there's delay caused by the light speed and the IC gate speed, but no compression memory delay.
- (*5) The max number of devices can be remotely powered depends on the power capacity of the external power supply and the power consumption of each Presenter devices. A Luxi power supply can power up to four 110 devices or two 150 devices.

· Traditional interface or baluns system diagram

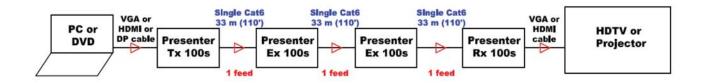


Presenter Tx and Rx system as interfaces, baluns or <u>scalers</u>



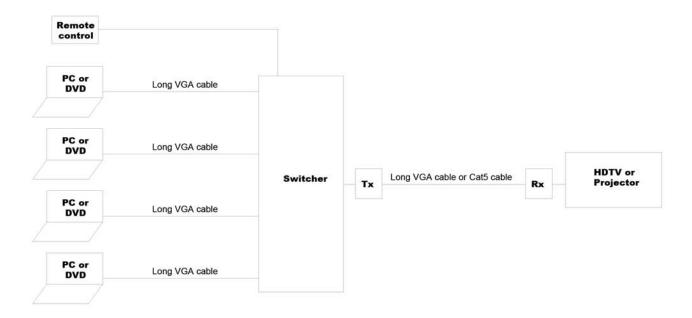
Presenter Tx and Rx as Interfaces, Baluns or Scalers

Presenter daisy-chained Tx's and Rx's for very long distance transmissions

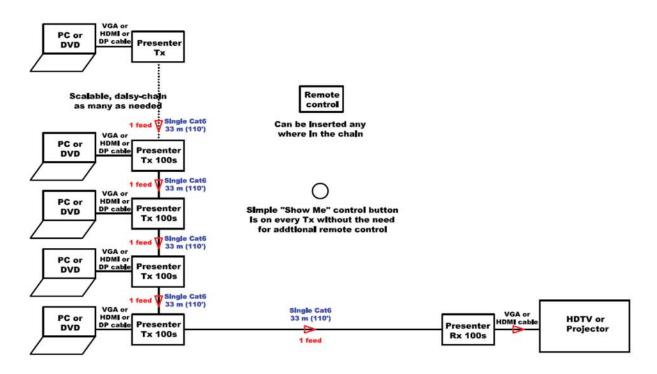


Presenter Tx, Rx and Ex as Extenders

Traditional switcher system diagram

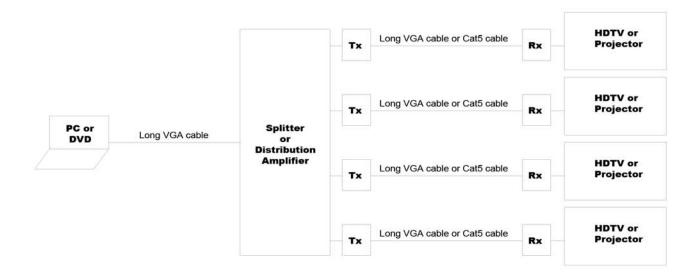


Presenter daisy-chained Tx's and Rx as switchers

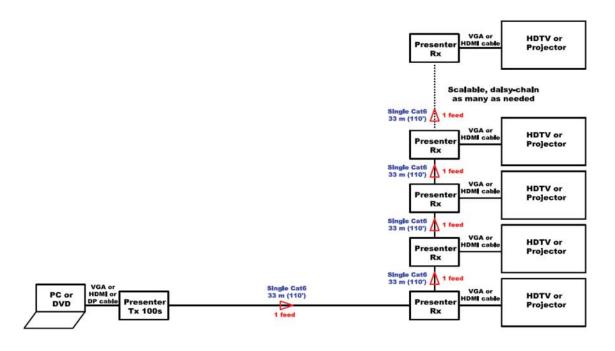


Daisy-chained Presenter Tx's and Rx as Switchers

Traditional splitter or distribution amplifier system diagram

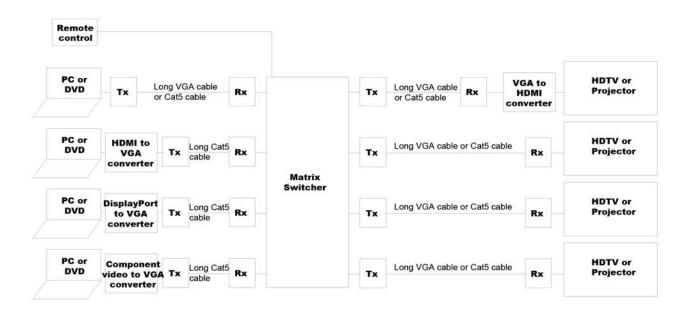


Presenter daisy-chained Tx and Rx's as splitters

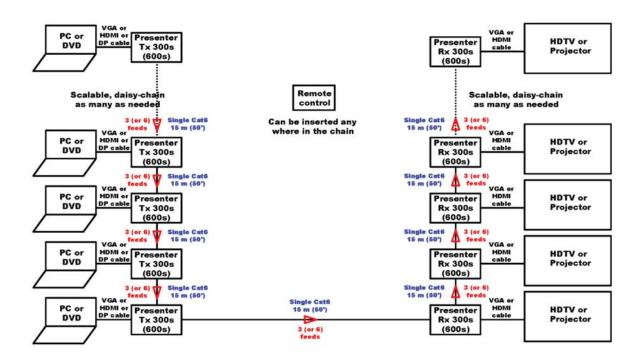


Daisy-chained Presenter Tx and Rx's as Splitters

Traditional matrix switcher system diagram



Presenter daisy-chained Tx's and Rx's as small matrix switchers



Daisey-chained Presenter Tx's and Rx's as Matrix Switchers

Presenter chained Tx's, Rx's and Nodes as large matrix switchers

