



## Ethernet Gigabit 4-Port non-POE Surge Protector.

	Contents:	
	<ul> <li>One Ethernet 4-Port Gigabit non-POE SPD.</li> </ul>	
	• 4 x 1-foot Cat 6a jumper cables (Kit only).	
	• 3-foot AWG 12 ground wire (Kit only).	
	Preparation:	
	• This SPD needs to be installed as close as possible to the device	
	to be protected using the 1-foot Cat 6a jumper cables.	
	• Find the best ground point: a wall outlet or device case screw	
	(Modem, Router, Switch etc.). Check that the connection is	
	properly grounded. For wall outlets, use a "outlet tester". For	
	devices, check with the vendor or perform an ohm test <= 5.	
	Install:	
	• Mount the unit on the wall within 1-foot of the device (optional).	
	<ul> <li>Insert the network CAT cables into the IN ports.</li> </ul>	
	• Connect one end of the CAT 6a 1-foot jumper lead into the <b>OUT</b>	
	port of the protector and the other end into the device port.	
	• Don't bother installing and connecting the complete ground wire	
	until you have tested the connections.	
	Test:	
	• Connect the device and check that the data quality and speed is	
	ok and same as before. If there is any distortion or degradation,	
	see the troubleshooting guide over the page.	
	Ground install:	
	• Connect the free end of the ground wire to a wall outlet or screw	
	onto the metal case of a device (make sure it's grounded).	
0	• If using a wall outlet: (1) thread the #10 ring terminal over the	
	large round ground prong of a plug, (2) You can use one of the	
	wall socket plate screws if grounded or (3) you can also wire the	
	ground wire directly to the wall socket ground. We recommend	
	disconnecting the power and using an electrician for this.	

<u>Note</u>: This unit does not support POE (Power Over Ethernet) applications and does not act as a network switch. Each port is an isolated SPD, sharing a common ground and ground wire.



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## Troubleshooting

A – After install, No data, distortion, degradation etc.	<ul> <li>Make sure the IN/OUT RJ45 connections are inserted correctly and are nice and tight.</li> <li>Re-test again using the original direct connection. Try another CAT 6a jumper cable.</li> <li>If you can, try another network cable.</li> <li>If there are still problems, return or replace the protector.</li> </ul>
B – After surge, No data, distortion, degradation etc.	<ul> <li>Power surges can be excessive, and the protector can get damaged in the line of duty. Sometimes you don't even know it has happened.</li> <li>Usually the protector can withstand several power surges, but if the protector continues to fail, check the CAT cable connections (they can get damaged). Check the direct connection still works and then replaced the jumper lead.</li> <li>If the protector continues to fail, it has done its job and it's time to order another one. It's also useful to keep replacements handy.</li> </ul>
Warranty and Replacement.	<ul> <li>All parts and workmanship are under warranty for 12 months from time of purchase. If within this time, the protector is not operating as expected under normal consumer conditions, then it may be replaced or refunded at no cost. Go through your store or contact Clever Family Homes Support with the order id, name/address, and date (attach packing slip if possible).</li> </ul>



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