

ARC-PSe

The Symetrix ARC-PSe provides serial control and power distribution over standard CAT5/6 cable for systems with more than 4 ARCs, or, when any number of ARCs are located long distances from a Integrator Series, Jupiter or SymNet DSP unit. A half-rack form factor conserves rack space, or, if preferred, the ARC-PSe may be surface mounted. All mounting hardware is included. The incoming serial control signal coming from the DSP is received by the ARC-PSe on a RJ-45 input connector, and then power and signal are distributed via 8 RJ-45 output connectors. The use of off-the-shelf CAT5/6 cable and RJ-45 connectors reduces installation time and materials costs.

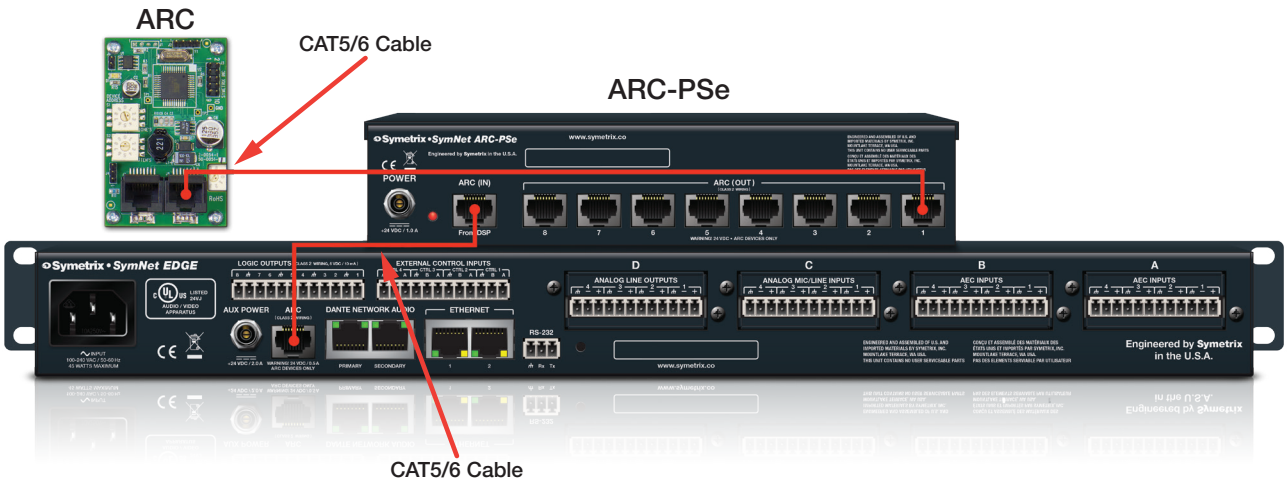
Features:

- Distributes power and data to multiple ARC wall panels via eight RJ-45 connectors over long distances.
- Connects directly to any Integrator Series, Jupiter or SymNet DSP unit using standard CAT5/6 cables.
- Supports flexible 'star' configuration, 'daisy-chain', or a hybrid of the two.
- Versatile half-rack design. All hardware is included to mount 1 or 2 in a single rack space or to surface mount.
- ARC Power Calculator spreadsheet helps determine maximum ARC quantities and distances between wall panels.

Specifications

Item	Remarks
Total ARC Cable Length (RS-485 from DSP to furthest ARC)	Standard CAT5/6, maximum total cable length = 4000 feet / 1219 meters for RS-485 data.
Number of ARCs Supported	The power draw is dependent upon ARC types used, number of each type, and total cable length. At least 8 ARC-2e with 800 feet / 243 meters of cable supported.

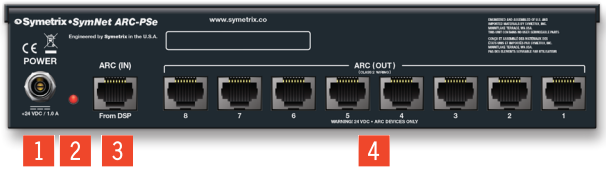
ARC-PSe Basic Hook Up Diagram



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SymNet ARC-PSe



1. **Power:** Accepts power from Mean Well power supply part number GS25A24-P1J fitted with a Switchcraft part number 767K plug or suitable 24 VDC / 1 Amp auxiliary power source (100-240 VAC, 50-60 Hz, 24 Watts maximum).
2. **LED:** Indicator for power.
3. **ARC (IN):** Connects to any Symetrix DSP unit ARC port using standard CAT5/6 cable.
4. **ARC (OUT):** Distributes power and RS-485 data to one or more ARC devices.

The **ARC-PSe** powers the full line of Symerix Adaptive Remote Controls.



Mechanical Data

Item	Specifications	Remarks
Space Required	Half rack unit (WDH: 20.83 cm x 22.86 cm x 4.37 cm / 8.2 in. x 9 in. x 1.72 in.)	Depth does not include connector allowance. Allow at least 3 inches additional clearance for rear panel connections. Additional depth may be required depending upon your specific wiring and connections.
Electrical	24 VDC @ 1 Amps (24 Watts) maximum.	No line voltage switching required.
Ventilation	Maximum recommended ambient operating temperature is 30 C / 86 F.	Ensure that the left and right equipment sides are unobstructed (5.08 cm / 2 in. minimum clearance). The ventilation should not be impeded by covering the ventilation openings with items such as newspapers, tablecloths, curtains, etc.
Shipping Weight	2.0 kg (4.4 lbs.)	
Certifications or Compliance	EN 55103-1, EN 55103-2, FCC Part 15, RoHS.	

Architect and Engineer Specifications: ARC-PSe.

The half rack wall panel power supply shall provide one ARC in and eight ARC out ports on RJ45 connectors. The device shall function as a power supply and RS-485 data router for Symetrix ARC wall panels using standard CAT5/6 cable.

The rear panel shall also include an indicator for POWER.

The device shall have locking power plug that accepts power from Mean Well power supply part number GS25A24-P1J fitted with a Switchcraft part number 767K plug or suitable 24 VDC /1 Amp auxiliary power source. The device shall meet CE safety requirements and comply with CE and FCC Part 15 emissions limits. The device shall be RoHS compliant. The included external power supply shall be UL and CE marked. The chassis shall be constructed of cold rolled steel, and may be surface mounted or mount into a standard 19" 1U EIA rack using the included rack mount kit. The device shall be a **Symetrix ARC-PSe.**

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