## Echo Output Products

<table>
<thead>
<tr>
<th>Product</th>
<th>EchoConnect</th>
<th>Aux Power</th>
<th># Of Spaces</th>
<th># Of Presets</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Zone Relay Controller Gen2</td>
<td>1 - Output</td>
<td>Not required</td>
<td>1</td>
<td>16</td>
</tr>
<tr>
<td>2 Zone Relay Controller Gen2</td>
<td>1 - Output</td>
<td>Not required</td>
<td>1</td>
<td>16</td>
</tr>
<tr>
<td>1 Zone 0-10V Controller Gen2</td>
<td>1 - Output</td>
<td>Not required</td>
<td>1</td>
<td>16</td>
</tr>
<tr>
<td>2 Zone 0-10V Controller Gen2</td>
<td>1 - Output</td>
<td>Not required</td>
<td>1</td>
<td>16</td>
</tr>
<tr>
<td>1 Zone SmartSpace Controller Gen2</td>
<td>1 - Output</td>
<td>Not required</td>
<td>1</td>
<td>16</td>
</tr>
<tr>
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<td>1 - Output</td>
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<tr>
<td>120V Phase Adaptive Dimmer Gen2</td>
<td>1 - Output</td>
<td>-150 mA</td>
<td>Max 16</td>
<td>64</td>
</tr>
<tr>
<td>277V Phase Adaptive Dimmer Gen2</td>
<td>1 - Output</td>
<td>-50 mA</td>
<td>Max 16</td>
<td>64</td>
</tr>
<tr>
<td>4 Zone Room Controller Gen2</td>
<td>1 - Output</td>
<td>-50 mA</td>
<td>Max 16</td>
<td>64</td>
</tr>
<tr>
<td>8 Zone Room Controller Gen2</td>
<td>1 - Output</td>
<td>-40 mA</td>
<td>Max 16</td>
<td>64</td>
</tr>
<tr>
<td>4 Zone Room Controller w/ TC Gen2</td>
<td>1 - Output</td>
<td>-400 mA or PoE</td>
<td>Max 16</td>
<td>64</td>
</tr>
</tbody>
</table>

**DRd With Echo**

**Echo Relay Panel Feedthrough**

**Echo Relay Panel Mains Feed**

**SensorIQ**

**Sensor3** (CE Projects Only)

**DMX Scene Controller**

**Echo-Echoflex Interface**

**Contact Output Interface**

**EchoTouch Controller**
Echo Power Supplies

### E-SPS
- Provides: Control 6, Output: 6, Aux Power: None

### E-APS (Aux Power Only)
- Provides: Control None, Output: None, Aux Power: None

### Room Controller
- Provides: Control 6, Output: 6, Aux Power: +160 mA

### Echo Control Processor
- Provides: Control 6, Output: 5, Aux Power: None

### CEM3
- Provides: Control 6, Output: 5, Aux Power: None

### E-SPS-DIN
- Provides: Control 16, Output: 16, Aux Power: +1500 mA

### E-SPM
- Provides: Control 16, Output: 16, Aux Power: +1500 mA

### E-SPM-A
- Provides: Control 16, Output: 16, Aux Power: +1500 mA

### E-SPM-WM
- Provides: Control 6, Output: 5, Aux Power: None

### E-SPM-WM-A
- Provides: Control 6, Output: 5, Aux Power: +1500 mA

### E-SPM-RM
- Provides: Control 16, Output: 16, Aux Power: None

### E-SPM-RM-A
- Provides: Control 16, Output: 16, Aux Power: None

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### Echo Expansion Bridge

The Echo Expansion Bridge provides three functions:

- Provide a wireless connection for the EchoAccess mobile app through a connected Wireless Access Point (WAP).
- Combine up to four EchoConnect Power Supplies to create larger Echo control systems.
- Facilitates communication between Echo and Paradigm, allowing Paradigm to control Echo and Echo to tell Paradigm its status.

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*For use with optional installed TimeClock
Echo Frequently Asked Questions

Q: What Does a Distributed System mean?
A: In Echo control systems all of the intelligence is shared between all of the interconnected devices instead of a centralized control processor. For example, this means that each Output Device stores its own preset information and sends it's status information out to the rest of the connected devices.

Q: EchoConnect power supplies are measured in “U”s. What’s a “U”?
A: A “U” is a unit of power measurement. A unit counts as one control product and one output product. For example, a 6U power supply would power 6 control products and 6 output products.

Q: When should I use a 6U vs a 16U power supply?
A: If you have more than 6 control products (stations, sensors, access, etc.) or more than 6 output products (zone controllers, panels, DMX Scene, etc.)

Q: When do I need Aux power?
A: If you have a TimeClock, EchoAccess, DMX Scene Controller, Echo-Echoflex Interface, Echo Contact Interface, BACnet Interface, Echo Expansion Bridge or EchoTouch you need an Aux power unit.

Q: Can I use more than one power supply?
A: Without an Expansion Bridge, no. Only one power supply may be used at a time. Output products that also have power supplies in them have the option to have the power supply turned off.

Q: What if I need more than 16 stations?
A: Add an Echo Expansion Bridge! That will give you a new max of 64U. But remember, you’ll still need power supplies to account for all the products.

Q: What does it mean that EchoAccess is a bonus power-wise?
A: The first EchoAccess in a system does not count against your power supply count. So you can have 7 stations on a 6U power supply if one is an EchoAccess station.

Q: Do I have to use ETC's 24V Aux for auxiliary Power?
A: No. Any 24 volt power supply will work. It is not required to be provided by ETC but it is required by the products.

Q: Do I have to use ETC’s EchoConnect Station Power Supplies?
A: Yes. An EchoConnect power supply is required in all Echo systems and are only available from ETC.