

Linear Audio SilentSwitcher ssXLV3 prelim output specs.

All supply variants need to be input through the USB-C onboard connector.

Input voltage range: 5-15VDC

Output current and power with 5VDC input

+15V: 250mA

-15V: 250mA

5.5V/5V/3.3V: 1A

Total output power: 10W

Output current and power with 9-15VDC input

+15V: 350mA

-15V: 350mA

5.5V/5V/3.3V: 1A

Total output power: 15W

There are two power selection jumpers on the board, labelled 'PSU' and 'PD'. These are used to select the power source.

The setting 'PSU' is used with a fixed supply voltage within the input voltage range mentioned above, of sufficient current capability to supply the output power plus losses.

The setting 'PD' is used when you connect a power bank or charger or other supply with Power Delivery capability. The SilentSwitcher will negotiate a power delivery with the source. If the source can deliver 15VDC at a minimum of 1.25A, the source will be set to 15V. If that is not available, the request will be for 12V at 1.5A, if that is not available either, the request will be for 5V at 2.5A. Power Delivery sources that can supply more than 15VDC will be limited to 15VDC.

Note that if you wire a switch to a power select header instead of using a jumper, you can use that as an ON/OFF switch for that particular mode.