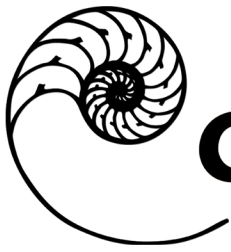




**4181US Duplex Outlet**  
[cardas.com/power\\_outlet](http://cardas.com/power_outlet)



# Cardas Audio

## 4181US Duplex Outlet

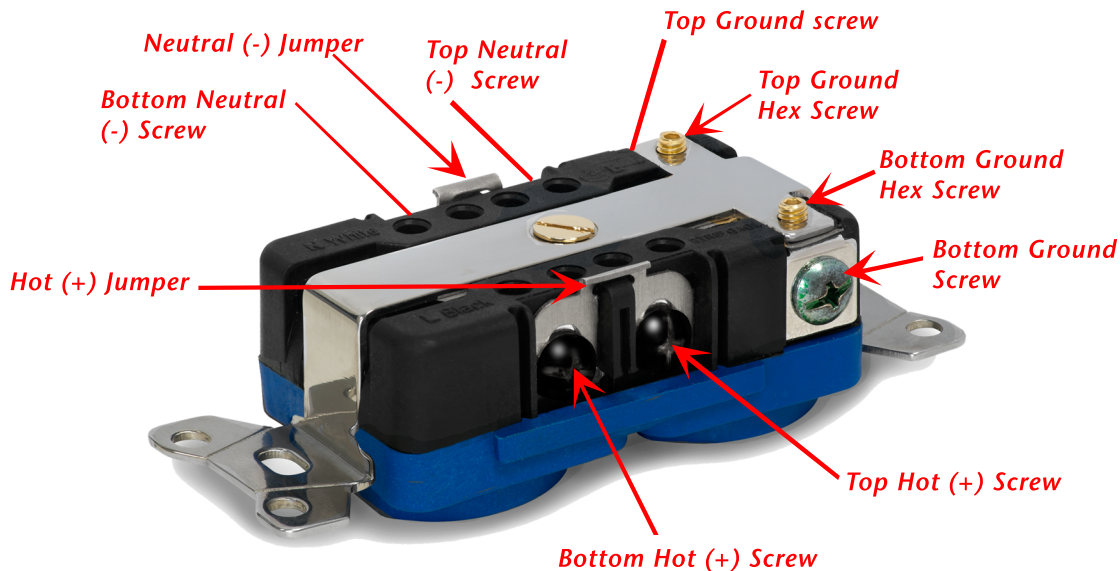
The Cardas 4181US can be configured as a standard duplex, or as two electrically independent outlets. Please read these instructions before installation\*.

**Right-side up vs down?** You'll notice the alignment of the Cardas logo indicates that we prefer the ground slot on top. You may install your 4181US this way, or upside down. However, these instructions will refer to the "top" & "bottom" outlets as if the 4181US is installed with the Cardas logo properly aligned (as shown on the right).

**Standard configuration:** To use the 4181US like a typical outlet, leave jumpers in place (ie, use it as it comes from the factory).

**Separate top from bottom (hot & neutral only):** Remove the jumpers joining the hot & neutral screws. You can now run separate hot & neutral wires to your 4181US outlet.

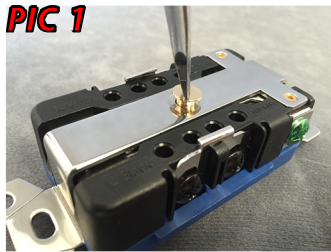
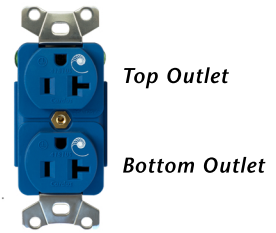
**Completely separate top from bottom (hot, neutral and ground):** Remove hot & neutral jumpers. Then refer to **Page 2** of these instructions for information on custom ground configurations.



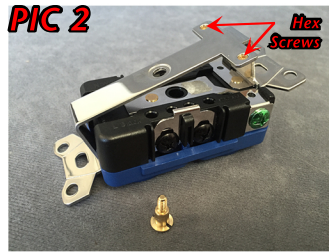
\*Please refer installation to a licensed electrician.

## Configuring Grounds on 4181US Duplex Outlet

The Cardas 4181US ships in standard configuration (ie, as a standard duplex with both outlets joined). This page shows how to isolate the ground from one of the outlets. In these instructions, we refer to the "top" and "bottom" outlets. Note that the alignment of the Cardas logo indicates that we prefer the ground slot on top.

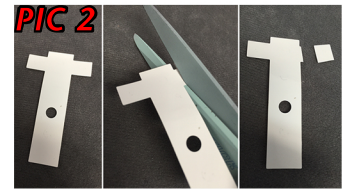


**Step 1.** Remove the center screw from the back of the outlet.

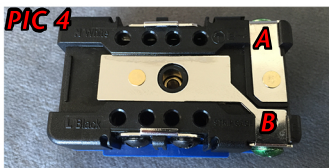


**Step 2.** Pry the mounting bracket off of the outlet.

Note the hex-screws in the bracket. Leave those in place.



**Step 3.** Locate the t-shaped gasket that came packaged with your outlet. Cut one of the sides off.



**Step 4.** Determine which of the two outlets is to be un-grounded.

In **PIC 4**, the back of the outlet is shown without the gasket. "A" shows the ground tab for the top outlet. "B" shows the ground tab for the bottom outlet.



**Step 5.** Place trimmed gasket from Step 3 on back of outlet.

In **PIC 5**, the trimmed gasket is aligned to leave the top outlet's ground tab exposed. This will result in the top outlet being grounded, and the bottom outlet being un-grounded.

In **PIC 6**, the gasket leaves the bottom outlet's ground tab exposed. This will result in an un-grounded top outlet, and a grounded bottom outlet.



**Step 6.** Reassemble the 4181US, ensuring that the gasket stays in place while you snap the mounting bracket back on, and replace the center screw.

### Additional Notes:

We do not recommend leaving both outlets un-grounded.

Please refer installation to a licensed electrician.