

The alarm transformer converter is intended to be used when you are replacing an traditional alarm system (for example with a Konnected.IO system) and wish to use the alarm systems existing 16.5v AC transformer to power your tablet.

Alarm transformers come in various power ratings usually denoted as volt-amps or VA which is usually embossed on the back of the transformer. Your alarm transformers power rating will dictate how many tablets you can charge with it. The total amperage able to be used by your tablet(s) is equal to the VA rating / 16.5 volts AC. For example, a transformer rated at 40 VA is theoretically able to provide 40 / 16.5 or 2.4 amps.

This may seem like a small number of amps, however most tablets are able to charge in both fast mode and trickle/slow mode with the latter requiring much less amperage. In the example above, the 40 VA transformer is able to power a couple of tablets that draw 800 milliamps (.8 amps) when slow charging.



The AC to DC converter has 2 input RED wires labeled IN. These two wires will connect to the wires of your alarm transformer.

It also has 2 output wires labeled OUT DC 5V — a BLACK wire

and a YELLOW wire. These two wires will connect to the wires of the included slim charging cable.

1. Connect the AC to DC converters IN RED wires to the wires of your alarm transformer.
2. Connect the slim charging cables RED wire to the OUT YELLOW wire of the converter using the included wire nut.
3. Connect the slim charging cables BLACK wire to the OUT BLACK wire of the converter using the included wire nut.

## Troubleshooting

- If your tablet shows no indication of charging, confirm that your slim ribbon cables RED and BLACK wires are securely connected to the correct wires on your DC converter.
- If your tablet repeatedly goes in and out of charging in fairly quick succession, it may be a sign that your slim charging cable is receiving less than 5v DC. Check that the voltage being supplied by your power supply at the point at which it connects to the DC converter is between 6 and 20v DC.