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## Quantum 2.0

### How to Use the Quantum Converter

For those that need additional modes on their Quantum products, your Quantum Converter is your best friend. Let's learn a little bit more about that. Now, Your Quantum Converter comes with a 32-pin harness, 2 wires for red and black that connect to power, 2 wires for your serial that connects up to 6 quantum products and your 28 programmable modes. There are 3 types of harnesses that come standard with your Quantum lighting series for all your Mini Light Bars. They come with a cigarette plug, giving you 4 programmable modes on your inner bars and stick lights. It comes with a 14-pin harness, 2 for serial, 2 for power, and 10 programmable modes. And on your Full Size Light Bars, your 44, 49 and 60 inch. It comes with a 15-pin harness, 2 wires for serial and 13 programmable modes. So the way the Quantum Converter works for the 44, 49 and 60 inch light bar is that it gives you 15 additional modes. Your first 13 modes of the 28 programmable modes are the same modes that are found in your light bar harness for the 14, 18, and 27 inch Mini Light Bars. The 4 modes found in the cigarette plug are the first 4 mode wires found in your Quantum Converter. If you wish to have an additional set of modes, you can expand that up to 24 modes on your Mini Light Bars For your Stick Lights, Inner Bars, Arrow Boards, and Rocker Panels. They all come with 10 programmable modes, which correlate to the first 10 wires found in your Quantum Converter. If you wish to have 18 additional modes, you would then use the Quantum Converter for that. So we program the Quantum Converter all modes one through 28 with the identical input commands for every Quantum product, meaning that after I hook up input one on my Quantum controller, it will activate the same Input 1 on every single Quantum device that is connected to my converter. Let me better explain that by programming Input 1 on every single one of these devices. For this demo, I'll program my inner light bars with all 5 colors on the attack pattern at 100% brightness. I'll also program Cruise Mode for the next 5 modes using every single color. After all the inputs are programmed on my Quantum products, I'll then connect the green, serial and white wires of those products to the green and white serial wires on the Quantum Converter. So now that I've connected the serial wires of all my Quantum products together to my Quantum Converter, I can then activate my first 6 inputs and see everything illuminated at the exact same time. First will be Input 1, which is set to the attack pattern on all 5 colors, and you can see them all turning on at the same time. My next input, which is Cruise Mode, all amber, the next one, all red, all blue on the next one, all white on the next one. And of course, the new color all green on my last input. That's the value of the Quantum Converter. It allows you to connect all your devices at the same time and activate them all off the same wire.