

While we do tend to focus very much on our [Cobalt iP](#), [Omega](#) and [Cobalt-SS](#) ranges of smooth, turnout-friendly motor-drive turnout motors, we are also aware that many modellers already own or may prefer solenoids

Additionally of course, some popular brands of track already have solenoids built in to their powered turnouts.

Solenoids always require a little more than the basic power from a controller to work well, and the answer can be a CDU or capacitor discharge unit, which boosts power so that that solenoids get the energy they require.

Usually, this needs a transformer and a CDU unit to be bought and connected to the turnouts and the control system.

When we design something, we do not like to just duplicate what others have done, especially when we can clearly see how to make it much better.... so our [CDU-2](#) has several special benefits and features not available elsewhere!

[CDU-2](#) is also fantastic value compared to other CDUs as it is 100% complete and ready to be used with no need to wire in transformers or connect other things!

Performance-wise, it also has MUCH more energy than other CDUs... because we use larger capacitors and higher voltages. We also custom matched the circuit to the transformer, so the CDU recovery speed is fantastic.

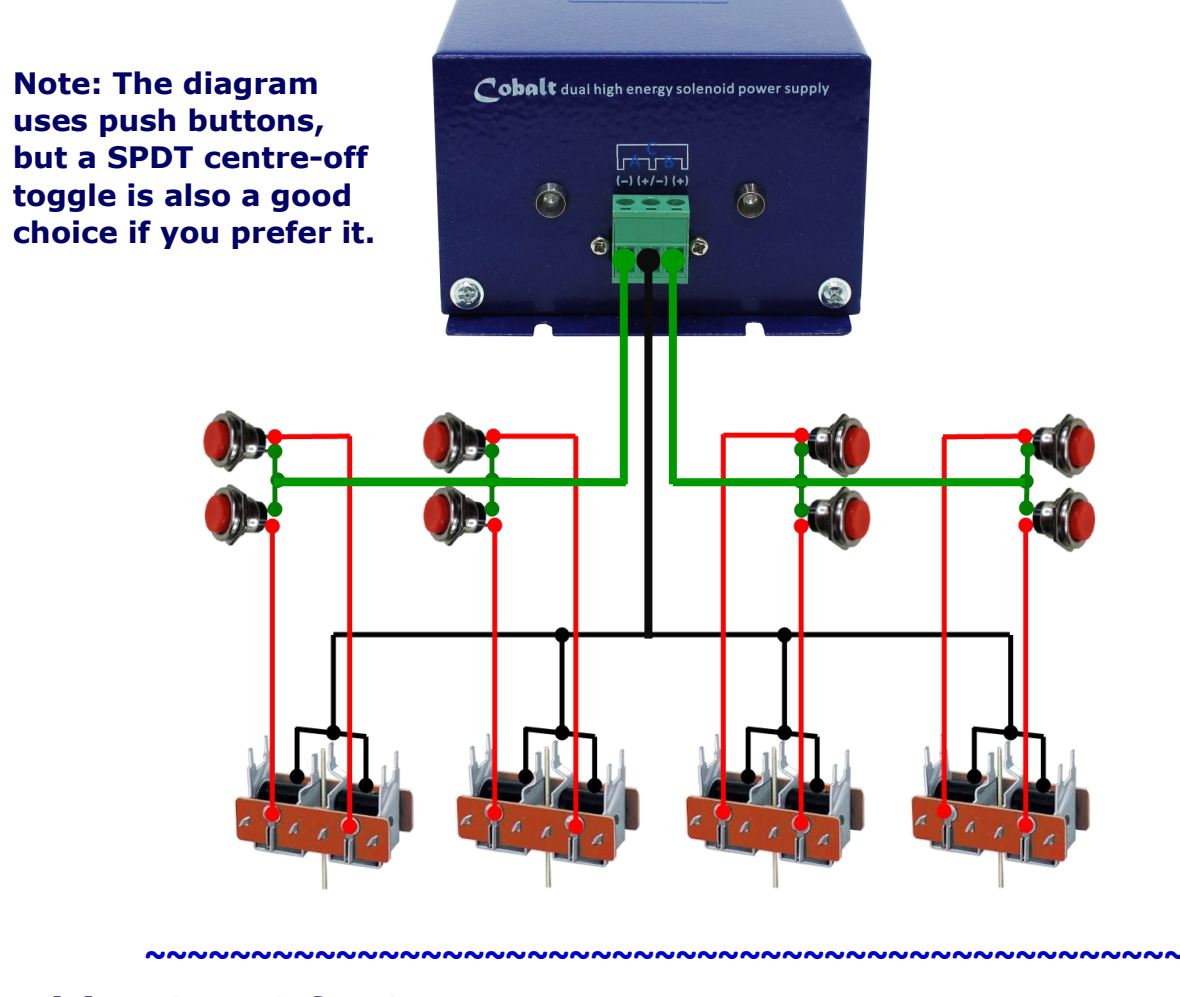
Of course, [CDU-2](#) can be wired conventionally for those that like the status quo - or it can make it easier for you by using our unique 3-terminal connections to reduce the need for wiring to each solenoid - to only two wires!

[CDU-2](#) also makes powering 2-wire solenoids such as KATO or LGB very simple! All for no more than the cost of a conventional CDU, an appropriate transformer and wiring. Here is the whole story in pictures!

CDU-2... Front and back.

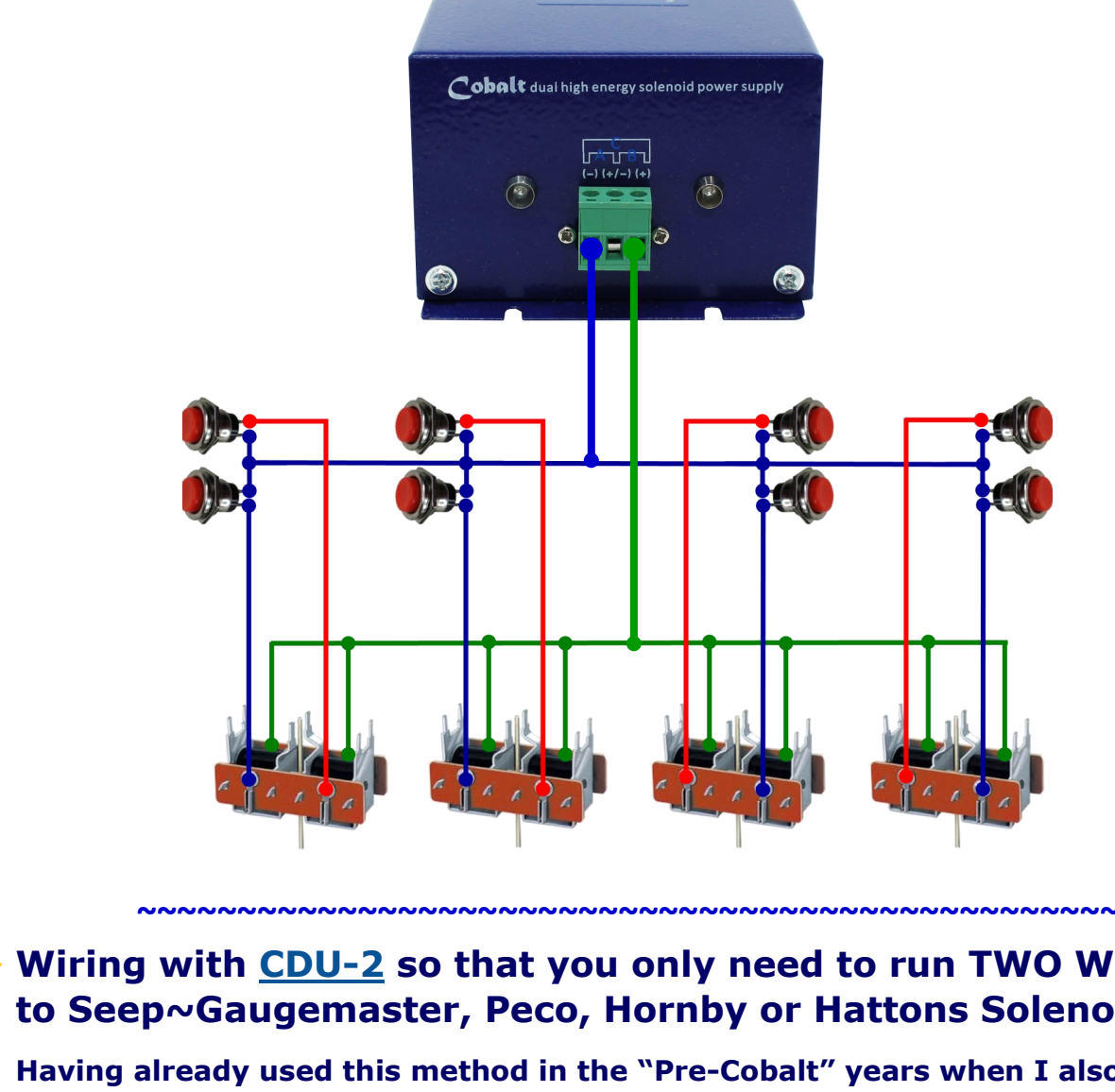


Wiring [CDU-2](#) conventionally - but with the ability to share the load around the layout. In this example the Two motors on the left are powered from one side of [CDU-2](#) and the two on the right from the right hand side...



Wiring [CDU-2](#) for SUPER Power - wiring [CDU-2](#) this way will double the energy available so it can change a huge number of motors at once.

We stopped testing after 12 at once, but it will do more! This "Super Power" ability makes it a great choice if you want to use a diode matrix to do complex route-setting as it comfortably handles more turnouts than most routes require (When you use a diode matrix, many points change simultaneously).

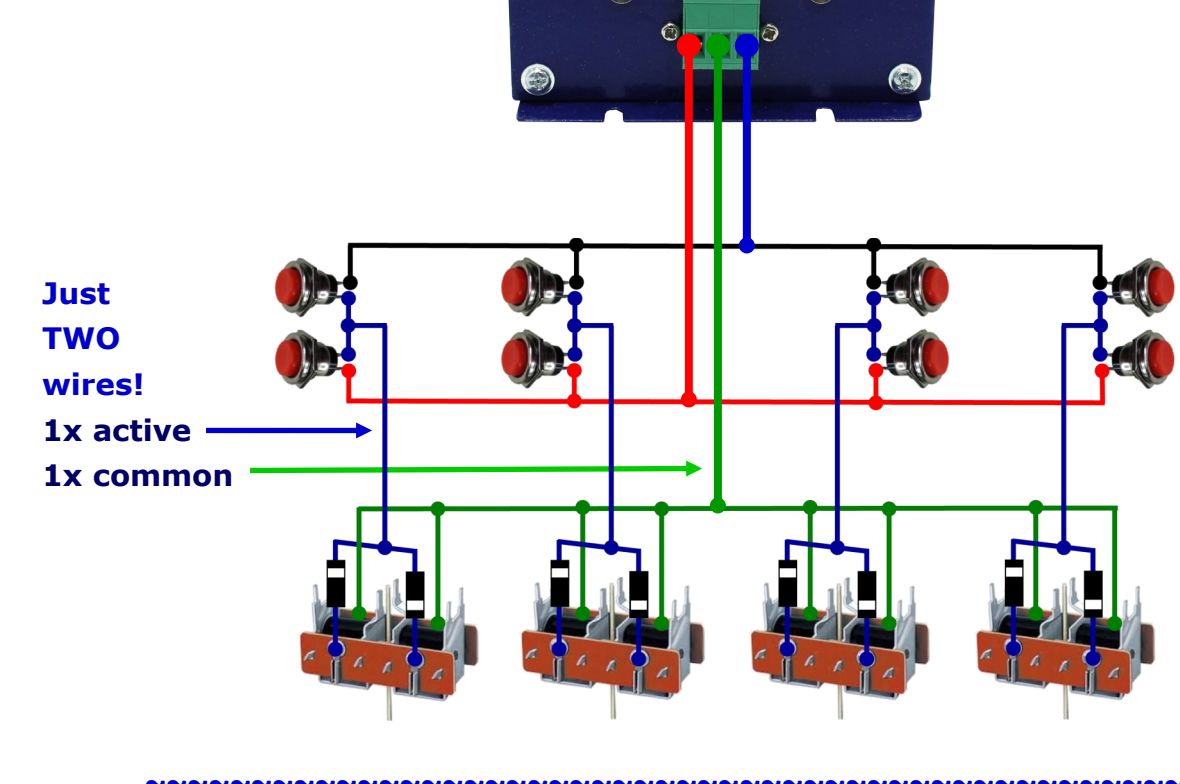


Wiring with [CDU-2](#) so that you only need to run TWO WIRES to Seep~Gaugemaster, Peco, Hornby or Hattons Solenoids...

Having already used this method in the "Pre-Cobalt" years when I also used solenoids, I thought I'd share it with you. It really does make things simpler!

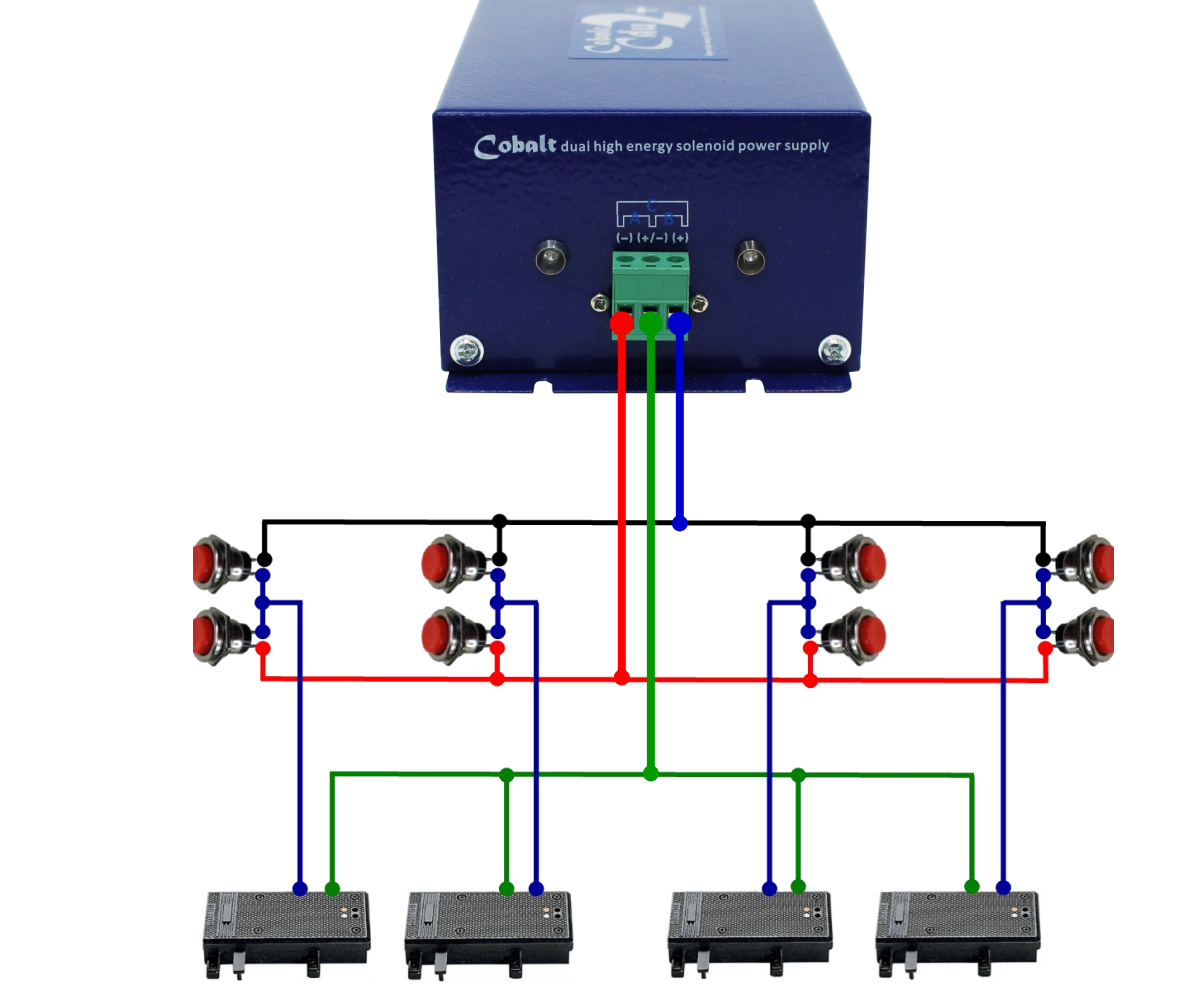
It does require two diodes, but as of this newsletter date - we have added them into the box so you have them ready to go when you buy [CDU-2](#).

(If you already have one - fear not!. Just send us a copy of your purchase receipt and we will send you a pack of diodes free of charge)



Wiring KATO & LGB 2-wire DC solenoids the easy way with the super-versatile [CDU-2](#). (Note - the very high power of [CDU-2](#) will give great results in the garden too... Even though the wires are long (But please be sure to run heavier wire!)

[CDU-2](#)'s terminal polarities are (+), (+ and -) and (-) so this also makes it easy to reverse the voltage for DC solenoids. You can still therefore use either two pushbuttons or an SPDT switch - There is NO need to spend time with the fiddly cross-wiring of DPDT switches to reverse voltage any more!



For quite a long time now, our friends and customers around the world have been asking us to create a printed catalogue.

Well - we have at last been able to make enough space in our product schedule to create one... and it is nearly complete.

We are burning the candle at both ends to get the content finished. It is nearly there and production is expected in the next few weeks.

What is inside?

It isn't a full-range catalogue as there is just so much breadth to our range - and we wanted it to have space to really show how things can be used to best advantage too.

So - It focusses on the "Layout creation and control" section of our product range. (Other product ranges like Zen decoders and other specialised DCCconcepts products and accessories will be covered in a separate catalogue planned for later in the year)

It is however a full-sized production crammed with useful information and printed on high quality paper - 48 pages of content focussing on all of our products that are designed to help with layout creation, improving the quality of layout operation & control.

There is far more than just product inside of course - lots of tips and wiring diagrams to show how to get the best from everything, how to wire special sorts of point-work and how to reduce the need for soldering, wire and wiring when connecting things together.

It also contains the first release info for Alpha Mimic Ground signals!

We'll be sending some out to our specialised dealers of course, but if you would like your own copy before they hit the streets - as soon as the ink is dry we'd be happy to post you one with our compliments to say "thank you" for subscribing to our newsletter

To reserve your personal copy, please click on [this](#) email link and provide us with your name and address.

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You will also find us 7 days a week, 24 hours a day at

www.dccconcepts.com

We trust you enjoyed our newsletter. We wanted to tell you about some other great products including our Accurate Scale Ballast - but ran out of space! Look out for another newsletter next week!

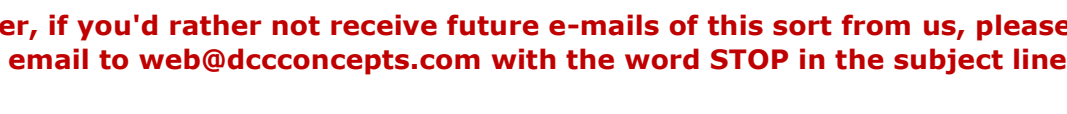
We'd like you to look forward to our newsletters so if you have any suggestions, requests, criticisms or wish to comment, please feel free to do so.

We may even include your contribution in the next one!

You can email us on web@DCCconcepts.com and our webmaster will make sure we all read it!

Kind regards

Richard Johnson and all of the staff at DCCconcepts



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