

DCCconcepts UK offices are ready to greet you!

It's taken a long time & lots of hard work by our staff but we are ready to go.
 Our offices in North Yorkshire are in full operation, and we are now working on our new demo and showroom layout that will include sections laid with Legacy bullhead track AND full length model of Ribbleshead viaduct 6 metres long!
 If you are travelling over the summer, we are open 7 days a week, 10am to 5pm.
 Please do drop in and say hello. You will find us directly behind the Station at Settle and the tea and coffee are always hot!
 (You'll also find a short "Photo Story" of the UK offices renovation later in the newsletter)

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You will also find us 7 days a week, 24 hours a day at www.dccconcepts.com

Cobalt-SS is now in stock & ready for your layout

We announced it some time ago - So why did it take so long?
 Adding any new product to our Cobalt range of products is a serious business, as it had to meet the high standards we have already set with our current [Cobalt IP motor range](#).

The concept was to create a top quality turnout motor for surface mounting. Making it easy to install and small enough to keep it subtle and easy to hide was essential.

To meet our goals it also needed to be easy to control, be almost silent, work in most scales and be usable out of the box by DC and DCC modellers with nothing else to buy.

We also wanted it to have all of the features of other Cobalt motors... so we had to take a totally new approach. Not easy when the drive system itself is so tiny.

To show you just how small it is... the picture to the right is actually very close to life size!



Cobalt-SS: What it is and what is in each pack?

Cobalt-SS is totally plug and play. It is attached to its control board via an easy to use connector, so it could not be simpler to connect. A plug and play connector also means no need for cutting and stripping wires or soldering.

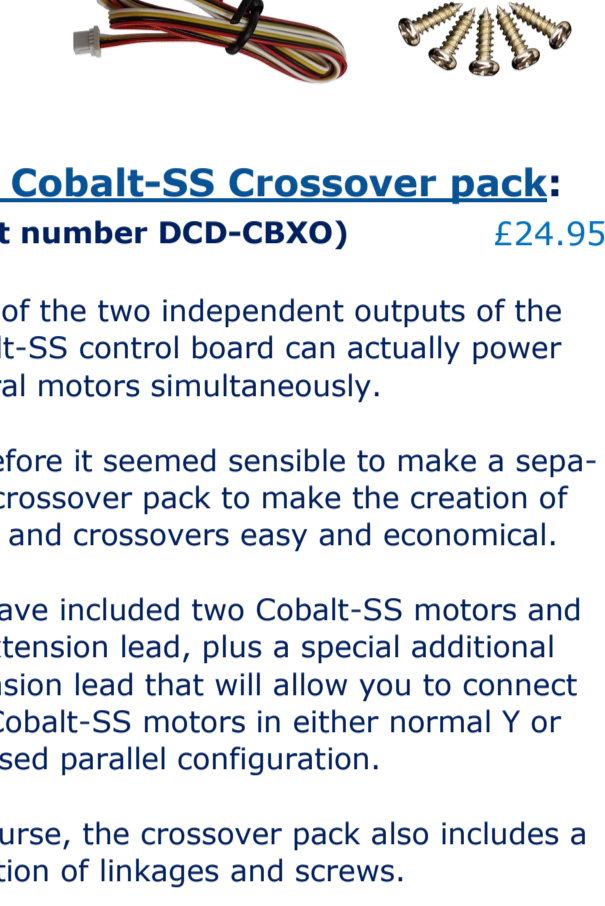
The Cobalt-SS 2-pack: (Part number DCD-CBSS-2) £48.95

Each control board has two independent control outputs, so the basic pack contains two Cobalt-SS motors and one control board, plus all of the screws and linkages that you will need to install them and connect them to your point-work.

Because each output can connect to more than one motor (making use of Cobalt-SS very economical for crossovers and loops) we also include a combination Y-connector lead and "direction change" lead plus an extension lead in each 2-pack.

Additionally, we have added a bonus with every motor pack. This is a very nicely scaled model of a [Westinghouse EP point motor](#), as used by the prototype in many parts of the world including UK, USA, parts of Europe, Australia and many others. Because we cannot know your choice of modelling scale, we have included examples of N, OO/HO and O scale motors!

Very comprehensive instructions are included. The instructions explain the whole process of installation and feature clear diagrams.



The Cobalt-SS Crossover pack: (Part number DCD-CBXO) £24.95

Each of the two independent outputs of the Cobalt-SS control board can actually power several motors simultaneously.

Therefore it seemed sensible to make a separate crossover pack to make the creation of loops and crossovers easy and economical.

We have included two Cobalt-SS motors and an extension lead, plus a special additional extension lead that will allow you to connect two Cobalt-SS motors in either normal Y or reversed parallel configuration.

Of course, the crossover pack also includes a selection of linkages and screws.

The Cobalt-SS 6-pack: (Part number DCD-CBSS-6) £139.95

The Cobalt-SS 12-pack: (Part number DCD-CBSS-12) £269.95

We know you will need more than two... so we have also created packs of six or twelve motors. Each saves you money and makes purchasing in quantity easier.

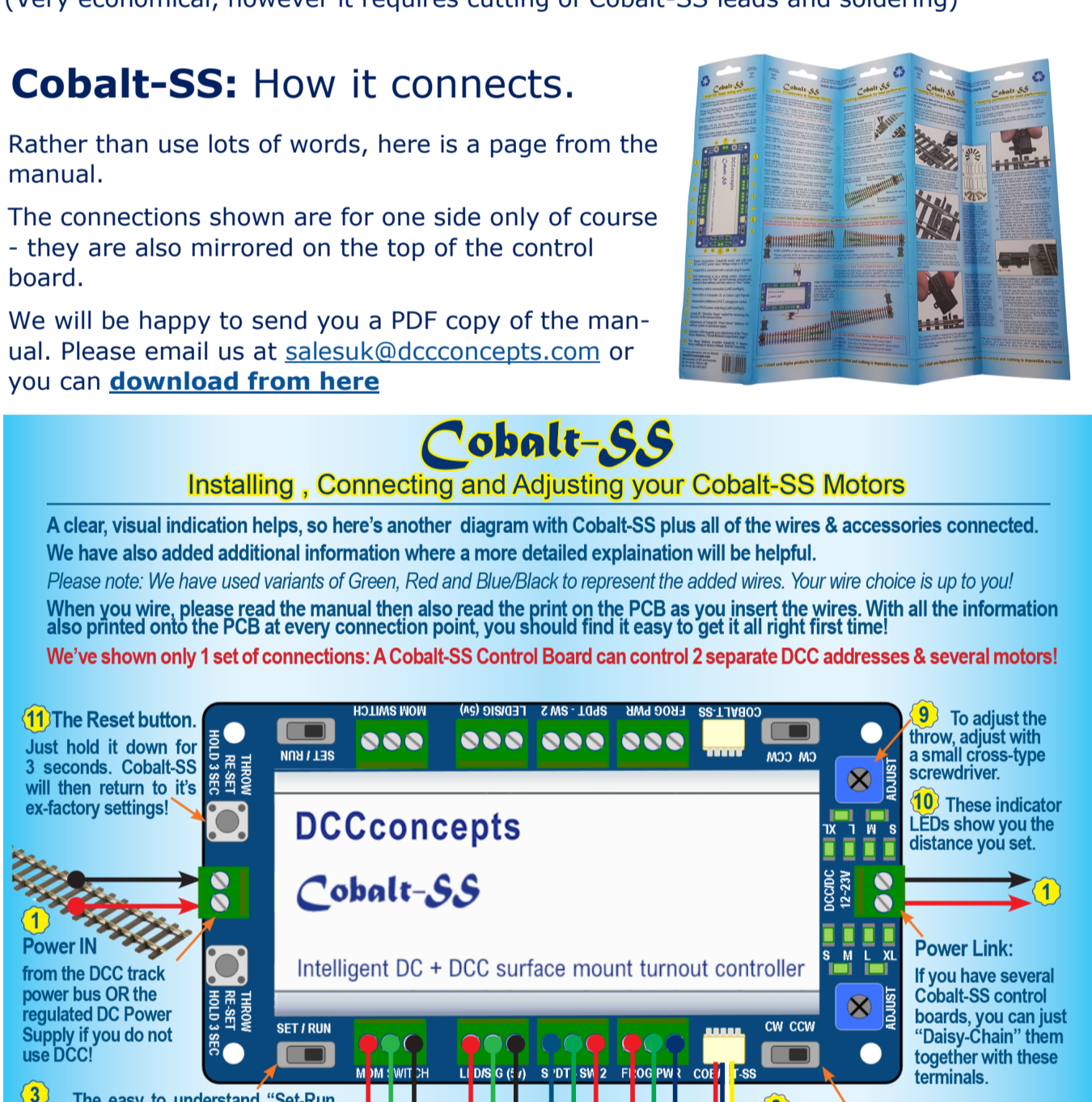
The DCD-CBSS-6 six pack contains the following:

- 6x Cobalt-SS motors and 3x Cobalt-SS Control boards
- 2x extension leads and 2x combined Y and reverse connection leads
- Lots of linkages and screws plus comprehensive instructions

The DCD-CBSS-12 twelve pack contains the following:

- 12x Cobalt-SS motors and 6x Cobalt-SS Control boards
- 3x extension leads and 3x combined Y and reverse connection leads
- Lots of linkages and screws and comprehensive instructions

(12 pack content shown below: There's lots in every pack!)



Cobalt-SS: Accessories and extension leads

A plug & play system needs accessories to keep it simple. We have a wide range.

- DCP-CBULL:** £8.95
a 1 metre long universal adapter lead with both Y and reverse Y connection (pack of 3)
- DCP-CBUML:** £7.95
a 600 mm long universal adapter lead with Y and reverse Y connection (pack of 3)
- DCP-CBBSL:** £6.95
a 50cm long universal adapter lead with standard Y connection (pack of 3)
- DCP-CBRSL:** £6.95
a 50mm long universal adapter lead with reversed Y connection (pack of 3)
- DCP-CBSLL:** £6.95
a 1 metre long simple extension lead (pack of 3)
- DCP-CBSML:** £5.95
a 600mm long simple extension lead (pack of 3)
- DCP-CB6MC:** £4.95
a 6 metre length of Cobalt-SS 4-wire colour-coded cable with heat-shrink to joint points. (Very economical, however it requires cutting of Cobalt-SS leads and soldering)

Cobalt-SS: How it connects.

Rather than use lots of words, here is a page from the manual.
 The connections shown are for one side only of course - they are also mirrored on the top of the control board.

We will be happy to send you a PDF copy of the manual. Please email us at salesuk@dccconcepts.com or you can [download from here](#)



Cobalt-SS Installing, connecting and adjusting your Cobalt-SS Motors
 A clear, visual instruction helps, so here's another diagram with Cobalt-SS plus all of the wires & accessories connected. We have also added additional information where a more detailed explanation will be helpful.
 Please note: We have used variants of Green, Red and Blue/Black to represent the added wires. Your wire choice is up to you!
 When you wire, please read the manual then also read the print on the PCB as you insert the wires. With all the information also printed onto the PCB at every connection point, you should find it easy to get it all right first time!
 We've shown only 1 set of connections: A Cobalt-SS Control Board can control 2 separate DCC addresses & several motors!

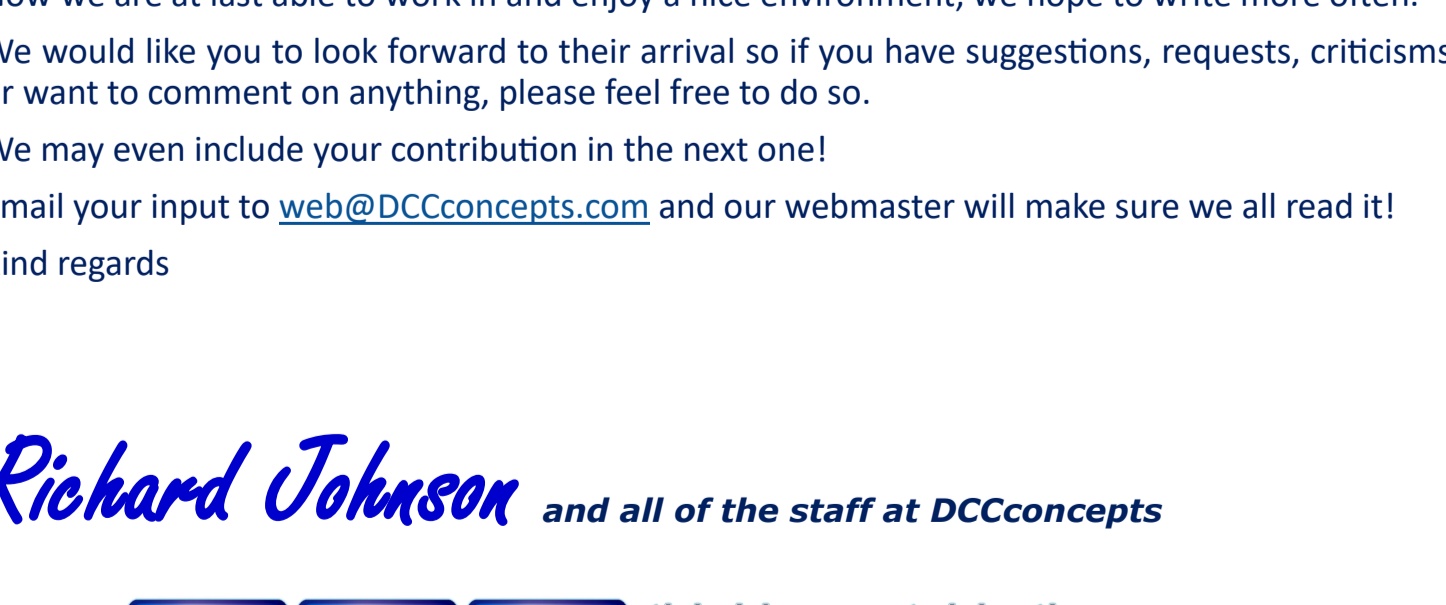
- 1 The Reset button. Just hold it down for 3 seconds. Cobalt-SS will then return to its ex-factory settings!
- 2 Power IN from the DCC track power bus OR the regulated DC Power Supply if you do not use DCC!
- 3 The easy to understand "Set-Run Switch" for setting the address. See below for a step by step instruction
- 4 Pushbutton switches (or our Cobalt-S Levers) This gives you DCC-Digital & manual point control too.
- 5 Panel LEDs, computer IO indication or 2-light signals!
- 6 A spare SPDT switch can do many things. Here we have connected it to two isolated sections ahead of the heel of the point and wired it so that if the point is not set for the train to cross safely, power to that section will be turned off. This will prevent accidental derailments and the inevitable short-circuits that will otherwise occur!
- 7 Cobalt-SS has "Frog" polarity switches built in too so there is no need for you to add anything else. There is no complicated wiring so electrofrog or "Live Frog" points are now much easier to use!
- 8 To "Swap over" the Cobalt-SS throw direction, just change this switch.
- 9 To adjust the throw, adjust with a small cross-type screwdriver.
- 10 These indicator LEDs show you the distance you set.

Cobalt-SS Teaching your Cobalt-SS Motor it's new address and adjusting the throw distance
 Setting the DCC Address of your Cobalt-SS Motor:
 There are NO Complex DCC-digital commands or CVs to remember. Please use these instructions, not the accessory decoder instructions that are supplied with your DCC system.
 SET = RUN
 Please note that if you have a screen-based system such as the Roco Z21 or ESU ECoS you will need to create a track diagram or set up an on-screen turnout before you can set an Address.
 (1) Connect your Cobalt-SS to the DCC track power bus or your dedicated DCC Accessory Power Bus.
 (2) Decide which number you wish Cobalt-SS to use and then move the Set-Run switch to the "Set" position.
 (3) Follow your DCC system instructions for changing a point or turnout using the number that you chose. (We repeat this procedure twice just to be sure.)
 (4) Return the Set-Run switch to the "Run" position.
 (5) Repeat 3 and Cobalt-SS will respond to that address.
 Adjusting the throw distance of a Cobalt-SS Motor:
 All you will need to do is adjust this set of six LEDs marked S - M - L - XL to clearly indicate the set position.
 As you GENTLY adjust the position of this with a fine "+" type screwdriver:
 We chose the S - M - L - XL as it is a common designation on many things - indicating increase or change in size. You'll find that they correspond approximately to Z, N, OO/HO and O scale.
 (1) Install your Cobalt-SS and test your installation leaving the settings at the factory default position.
 (2) If the blade does not move fully either way, adjust the installation to improve centering then re-test it.
 (3) If the blade moves across well before the motor stops, reduce the throw by turning the adjuster anti-clockwise.
 (4) If the blade does not move fully or has weak pressure, increase the throw by turning the adjuster clockwise.
 (5) To go back to a default throw, hold the "Re-Set" down.

DCCconcepts Settle: The renovation..

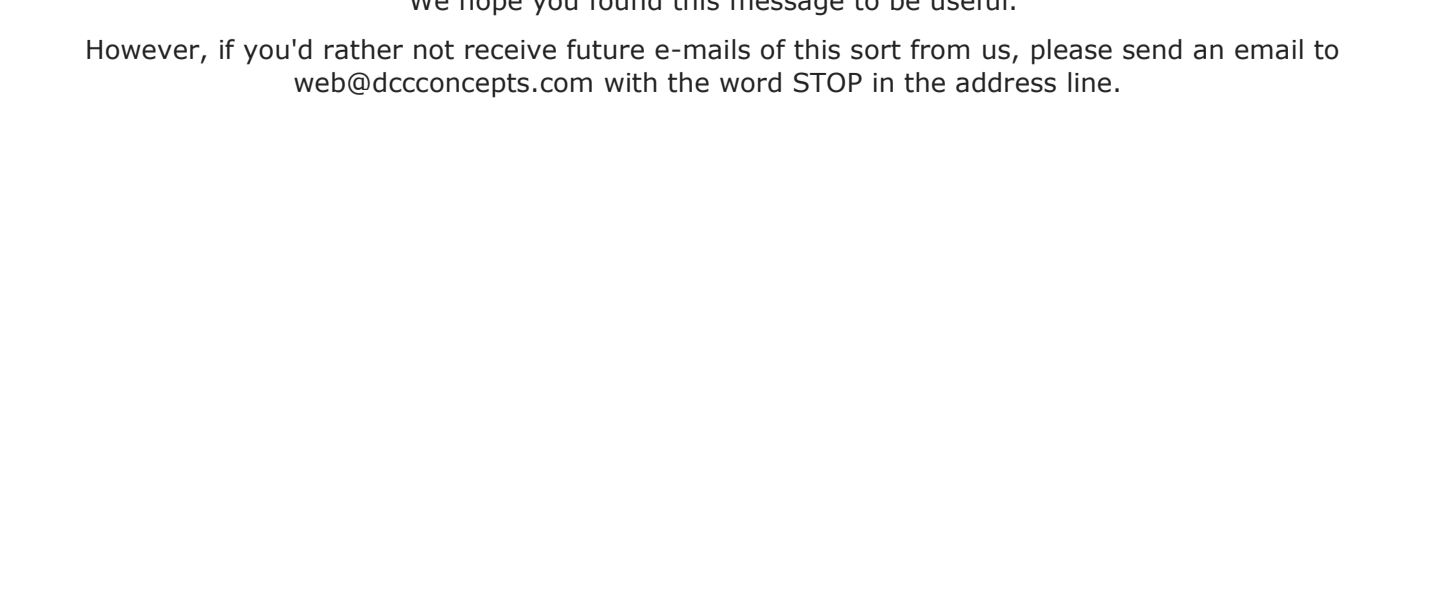
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 The position is perfect (That's the Settle station behind our building) and it all looked OK on the outside....

We anticipated some clean up - But it took several weeks of work and many large skips were filled to remove all the rubbish before we could even start!



However with the help of willing staff, clever contractors and friends... it is now almost done!
 The final steps are underway... The test layout is under construction, the viaduct is in place and the showroom is becoming something we can be proud of.

As we said at the very start... Please do drop in and say hello if you are in the area.



We trust you enjoyed our newsletter.
 Now we are at last able to work in and enjoy a nice environment, we hope to write more often.
 We would like you to look forward to their arrival so if you have suggestions, requests, criticisms or want to comment on anything, please feel free to do so.
 We may even include your contribution in the next one!
 Email your input to web@DCCconcepts.com and our webmaster will make sure we all read it!
 Kind regards