The Cobalt & Alpha Mimic:

Thank you for buying Cobalt Alpha-Mimic.

Every Alpha-Mimic is thoroughly tested during production and prior to packing for sale, so the entire process of installing and operating it should be problem-free.

This pack will include:
* The instructions PLUS:
  * A Alpha-Mimic Control Board
  * A Alpha-Mimic Linking Lead (to join 2 Mimic Control Boards)
  * 4-LEDs with 30mm leads and 2-pin connector (colours will be Red, Green, Blue and White)
* Your Alpha-Mimic Warranty is 12 months from the date of purchase.

Please read these instructions carefully before you start to unpack your Alpha-Mimic or start to create and assemble your Mimic panel or signal box diagram as they contain both important information AND advice on how to create your panel.

DCDconcepts also offer useful "net tools" in the form of pre-prepared computer files containing a whole host of track symbols and related items usually associated with real-world signal box diagrams.

We have instructed them to help you create good looking control panels with minimum effort, and in order to make them as usable as possible, we’ve made them compatible with commonly used desktop software.

Here are a few examples of the symbols in those files. They are totally scalable and few words will stay constant when stretched or compressed. Colours can be changed too.

We have included a range of reservoirs as well - it is by no means complete and those we have done is you give a you a good start in creating any you may need for your panel.

Important Information:
When we have made Alpha-Mimic very simple to use and complete, remember that it is a sophisticated wiring system that is managed by digital micro-controllers. All electronics are sensitive to how you handle them and it is very important that you follow all instructions before you create and connect them.

Never connect Alpha-Mimic directly to any high power source and do not power the control PCB directly from any source other than a DCC track or power box with a track mileage between 1W and 30V. Incorrect wiring or wiring power switcher circuits will usually before which is not covered for warranties.

Use only with TCC-Standards compliant DCC Control systems please.

Installation and all connections must always be done with the power off.

Do not remove the label before you use it. Use only Alpha-Mimic LEDs. Replacement LEDs can be connected using Alpha-Mimic adapter cables. If you have more than one Alpha-Mimic LED, there may be a connect to one of the other LEDs, but this is not covered by the scope of the manual, so if you do, be careful.

Assembling your Cobalt & Alpha Mimic track diagram.
Relax and enjoy the process as it’s very simple!

To make it easier to create a realistic control panel, we have made some ‘easy to use’ track diagram symbols and named them into files compatible with Microsoft Word, Microsoft Excel, Microsoft Publisher and similar common desktop programmes.

Here are two pages of Signal Box type diagrams that we made using them - arrange & educate your work.

EASY STREET SIGNS

As you can see, the symbols are able to be used in a large range of panel sizes and can be stretched or changed without distorting the width, they can also be coloured to your choice in the software or copied & pasted as often as you need or want when creating a panel.

If using an MS Word type program, don’t forget to turn off ‘Snap to Grid’ so you have proper control of positioning for each line.

They can be accessed at www.dcdconcepts.com or, email us at questions@dcdconcepts.com and we will send you a set. ANYONE who can use basic desktop software can do it with ease, so please do at least have a go! Here is how we did it.

1. Decide on the panel size. Unless your layout is quite small it is not really to make any mimic panel for the whole layout as it may be confusing if you do. Just like the real thing, break it up into main Station, Yard, Engine-ash area, etc and make one panel for each.
2. Make a rough sketch of the trackwork so you have a reference for how many tracks and loops to include. This will make planning track spacing easier. (If you will use an extension display allow for it from the start, it will need a space that is 47mm wide, 25mm high)

3. Design the panel and check it a couple of times. Try to really easy to leave something out and connections are best done before you do the printing. Think about colouring - we used standard background gradients from Microsoft publisher, but there is no limit if you are creative!

4. Have it printed on A4 or A3 GSM paper at a local stationery supplier.
5. Get them to laminate it (box for long term). Carefully cut it out with a sharp No.2 blade. Take your time!
6. If you add another larger border to the design, after cutting out it can you round all corners carefully with a marker pen matching the border to get rid of the white line as these lines really need to be round.
7. Cut a piece of 3mm MDF to the right size for the panel. Take your time and try a neat. Mark it out for 4mm machine screws to fit it with at the comer and midway along the top/bottom if big. Counterbore the holes on the top surface so that the heads recess fully and be flush under the panel surface.
8. Drill 4-6 screw holes in a hard surface, carefully cut each LED hole with a 7mm hole punch.

9. Position the loom temporarily onto the MDF panel and draw around each of the cut holes to show you where to drill. Drill (6.5mm to 7mm) and gently countersink the holes back and front. Sand/from/to/Reinforce it. Paint the panel all over and let it dry.
10. It is time to fit the diagram to the panel. First spray permanent contact glue (Vegeta 3د) onto the panel & onto the back of the diagram. When dry, use a couple of pencils or similar in the LED holes to help you line perfectly and put them together.

Use a clean cloth to evenly smooth down the panel's surface.

We are now ready to start assembly of your panel...
Cobalt Alpha Central
Clever, sophisticated and very simple to use.

Open the box, plug it in and discover a change - it’s that easy! DCC Concepts Cobalt Alpha Central combines the super intelligent heart of Cobalt Alpha with a state-of-the-art control panel functionality. With Cobalt Alpha Central you can control all DCC systems with a single control panel.

DCC Digital Accessory Decoders
staying out of the way!

It’s very simple to use!

What is in the box?
Cobalt Alpha Central is already directly compatible with the control bus of all NCE, DCC systems with a standard N2 controller. And it’s very flexible and has appropriate feel чувствительность. It is Important and every DCC system needs AC or DC modulation to take advantage of Cobalt Alpha's interface to control panel completely.

DCC Alpha Switch Box
DCC Alpha Switch Box is also very flexible and has appropriate feel чувствительность. It is Important and every DCC system needs AC or DC modulation to take advantage of Cobalt Alpha's interface to control panel completely.

How does Alpha Central connect for AC or DCC users? It’s very simple to use!

Either as a control center for the DCC Alpha Central, or as a convenient interface to your system. The digital inputs are expanded to four DCC systems with the addition of four relays. The digital outputs can be used to control any DCC system and can be expanded to control any DCC system. For example, it has been used to control any DCC system and can be expanded to control any DCC system.

Output on the control bus: It’s very simple to use!

In many cases you may find that the bus cable is the only way to connect DCC systems with remote control. The digital outputs can be used to control any DCC system and can be expanded to control any DCC system.

Good DCC performance needs a really good power supply! DCC Alpha: A high quality, high precision regulated DC power supply.

The power output of DCC Alpha is designed to provide a stable and continuous power output that is ideal for running DCC systems. Alpha Power has been designed to provide a stable and continuous power output that is ideal for running DCC systems.

DCC Alpha is designed to work reliably at any voltage between 100-240V AC. The voltage limitations are 110V/220V or 240V at 5 Amps at all voltage levels. The power output is designed to provide a stable and continuous power output that is ideal for running DCC systems.

Cobalt Alpha Central - Part numbers:

<table>
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<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>DCC-8F5</td>
<td>Cobalt Alpha &quot;Central&quot; with Alpha link cable.</td>
</tr>
<tr>
<td>DCC-8A5</td>
<td>Cobalt Alpha &quot;Alpha Box&quot; with 6-way bus connection cards.</td>
</tr>
<tr>
<td>DCC-AP3H</td>
<td>Cobalt Alpha &quot;Power&quot; with Alpha link cable.</td>
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See the full Cobalt Alpha Range at www.dccconcepts.com

Use Cobalt and Alpha products for turnout or layout control and nothing is impossible any more!