

Sig-naTrak[®]

Model railway electronics by GFB Designs

Model Railway Electronics Catalogue

WE put YOU in control!

ACE Controller
GFB DESIGNS P/N: DCE000A

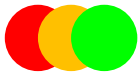
Sig-naTrak[®]
REV FWD
MIN SPEED MAX
STOP
F0 F1 F2 F3 F4
DRIVER
GFB DESIGNS P/N: DHS 204

Photograph © George Hodan - Public Domain Pictures.net

Sig-naTrak[®] by GFB Designs
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Welcome to Sig-naTrak®

Who are we?

Sig-naTrak® is the registered trademark and brand name that GFB Designs use to promote our range of DCC and DC model railway electronics components. This includes the IMP Digital Servo Controller, the GEM Digital Point Actuator and our recently launched ACE DCC Controller & command station with full colour touch-screen (featured right).

So who are GFB Designs?

GFB Designs, is an electronics consultancy business, started in 2005 by Fraser Black, specialising in the model railway market. Fraser has over 30 years of experience in the professional electronics and software design industries.

Following a number of years designing products for other manufacturers, we now design and manufacture our own model railway products for operation on either Digital (DCC) or conventional DC ("Analogue") power, placing emphasis upon ease of use for all modellers.

What's happened to CML Electronics?



In 2016 we purchased the successful CML Electronics business and continue to promote and develop the former CML product range alongside our own. Please rest assured however that the products are of the same high standard and quality you have come to expect from CML, and we are delighted to be able to add these items to our existing range of DCC accessories and controllers.

Our Newsletter - "Operating Notice"

Want to keep up with our latest news? Sign up to "Operating Notice" our occasional email newsletter. Visit our website at www.signatrak.co.uk for more information



Operating Notice
brought to you by  **Sig-naTrak®**
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Do you attend exhibitions? Will you come to demo at our club?

We regularly attend the larger UK shows and also support a number of local shows in the North. Our full exhibition/events calendar is available to view on our website.

If you are an exhibition manager and would like us to attend your exhibition, or a club manager who would like us to demonstrate at your club, please contact us at exhibitions@signatrak.co.uk for further information.

ACE Controller DCC Command Station



The ACE Controller is a fully-featured digital model railway DCC Controller.

It incorporates an NMRA-compliant command station, a 3.5amp or 5amp booster and a decoder programmer - all in a single compact unit.

The ACE gives you complete and flexible control of your layout, but is easy enough for a beginner to use without the steep learning curve of more traditional DCC controllers!

- ➔ Self-contained command station with:-
 - ◆ 4.3 inch full colour display.
 - ◆ 7 inch touch screen panel.
- ➔ Full DCC address range:-
 - ◆ 1-9999 for locomotives.
 - ◆ 1-2044 for accessories.
- ➔ Easy access to all 29 locomotive functions (loco & decoder dependent).
- ➔ List locos & accessories in register with easily identifiable names:-
 - ◆ Name up to 127 locomotives.
 - ◆ Name up to 85 Accessories (to control points & signals etc.).
- ➔ Up to 4 **DRIVER** handsets can be plugged in to give a low cost option for additional operators.
- ➔ Optional USB interface.
- ➔ Supports NMRA Standard programming modes:-
 - ◆ "Service Mode" for use on separate programming track.
 - ◆ "Operations Mode" for use while programming on the main.



DCS2044 ACE Controller - 3.5amp
BHS1204 DRIVER handset

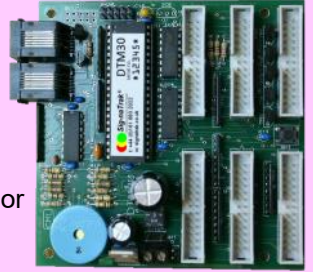
DCS2044-H ACE Controller - 5amp
UBI2044 USB Interface

DTM30 - Digital Tower Master

- ◆ Control accessories with push-buttons, switches or with your DCC controller.
- ◆ Display point and sensor status with LEDs.

Suggested Use

- ◆ Build a signal box style CTC “mimic panel” board.
- ◆ Show track occupancy with LEDs from LocoNet sensor inputs such as BDL168.
- ◆ Track and accessory control like it is in the real world!



Compatible with the LocoNet® control system by Digitrax.

SIGM20 - 8 Channel Automatic Signal Controller



- ◆ Up to 10 Signals automatically controlled.
- ◆ Works with 2, 3, 4 aspect colour light signals, searchlight signals, route indicators and, with the RLY2 board, semaphore signals.
- ◆ Accepts inputs from IRDOT, Digitrax BD4 and other occupancy detectors, or via the LocoNet® SENSOR command from external modules like the DigiTrax BDL168.
- ◆ Works just like the real world railway. Sets signals based on track occupancy, point position and route setting.

Compatible with the LocoNet® control system by Digitrax.

TXC1 - Turntable Index Board

- ◆ Supports turntables by Atlas, Hornby and Fleischmann. Also works with the Marklin 9 Track traverser.
- ◆ Limit the selected track output (so doesn't stop where you don't have track).
- ◆ Includes “turn” option to rotate by 180° in one operation.
- ◆ Onboard display shows current track location.
- ◆ **TXC1-LED** optional add-on board to display location on LED control panel.



Compatible with the LocoNet® control system by Digitrax.



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DACA2041 - 4 Port Output Adaptor for DAC20



Allows you to use high power accessories such as the Kato, Fulgarex and DCC Concepts Cobalt range of point motors with the DAC10 and DAC20 Accessory Decoders.

Simply plug the board into the accessory outputs, and connect the motor to the add-on board.

MSC8 - Scenery Animator

Motor, Servo and Lighting control for animation of static scenery on your layout.

The MSC8 can generate timed effects on its outputs. This allows effects such as welding arcs, disco and house lights to be animated on a seemingly random basis using LEDs or miniature lamp bulbs. Servos and motors can operate position sequences, to move a crane, a windmill to face the wind, a merry-go-round or any number of other scenic features on your railway.



DSS1 - LocoShuttle Automatic Sequence Controller

- ◆ Automated DCC train control with a user-designated sequence.
- ◆ Controls loco sounds and lights functions.

Suggested Use

- ◆ Have trains moving in the background on a mainline or branch station while you focus on other operations such as shunting in a goods yard or depot scenic area.
- ◆ Automated end-to-end shuttle service.
- ◆ Automated station stops.



Compatible with the LocoNet® control system by Digitrax.

DTX8 - Add on for DAC10/DAC20 & SIGM20

The **DTX8-A** is an LED add-on board for our **DAC10** and **DAC20** accessory decoders. It drives LEDs to indicate whether each output is set to "Closed" or "Thrown".

The **DTX8-B** is an add-on board for our **SIGM20** signal controller. It drives two additional signals, or can provide drives to relays to remove track power following a red signal.

DSI1001 - IMP Digital Servo Controller

- ◆ Operates on pure DC analogue or DCC systems.
- ◆ Self-contained with DCC decoder and servo setup.
- ◆ Includes simulated "bounce" for semaphore signals.
- ◆ Compatible with most available servos.
- ◆ Low current draw, operates on as little as 9v.

Suggested Use

- ◆ Suitable for changing points, signals, crossing gates and other scenic accessories.

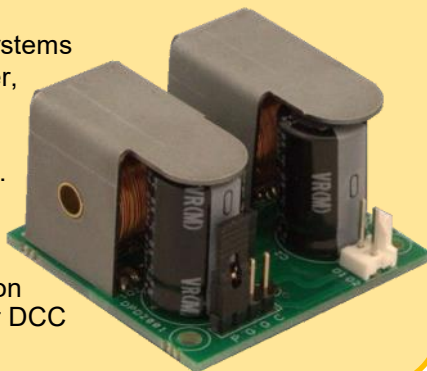


DPD2001 - GEM Digital Point Actuator

- ◆ Operates on pure DC analogue or on DCC systems
- ◆ Self-contained unit with DCC decoder, solenoid and capacitor discharge unit built in.
- ◆ Live frog switching (requires RAS1202).
- ◆ Low current draw, operates on as little as 11v.

Suggested Use

Easily motorise point operation on your model railway from N to O Gauge with simple installation and wiring. Simply connect your power supply or DCC controller with just two wires.

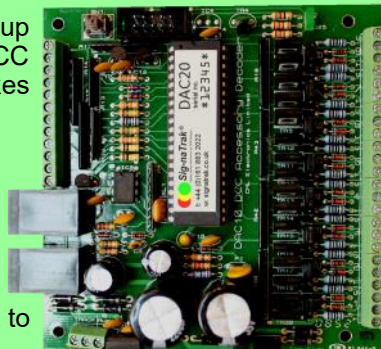


DAC20 - 8 Channel Advanced Accessory DCC Decoder

The DAC20 accessory decoder allows control of up to 8 solenoid or Tortoise type point motors on a DCC controlled model railway layout. The DAC20 takes instructions from the DCC bus or from LocoNet®.

The DAC20 also has provision for local switches and LEDs for manual operation and status indication.

Its switch inputs can also be used for position feedback or as sensor inputs, using LocoNet to report status to a central command station.



Compatible with the LocoNet® control system by Digitrax.



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RCS0009 - Remote Control Servo



A remote-control micro-servo ideal for use with the IMP Digital Servo Controller & MSC8 Scenery Animator board.

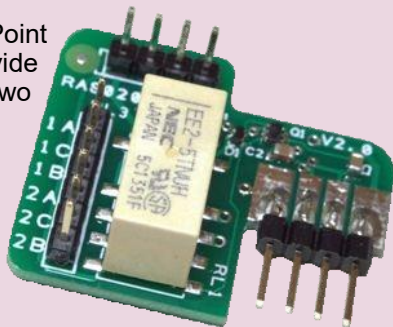
Comes with a range of couplers for connecting to semaphore signals, crossing gates, point motors and many other moving features on your layout.

RAS1202 - Relay Accessory Switch

This module plugs onto the GEM Digital Point Actuator, or IMP Digital Servo Driver to provide switched output. It includes a built-in relay with two sets of change-over contacts.

Suggested Use

- ◆ Live Electrofrog point switching.
- ◆ Operate bulb or LED signals based on accessory setting.
- ◆ Track power isolation based on signal state.



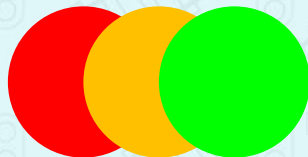
Wire and Accessory Cables

CP_DSS1	Ribbon cable to connect Digitrax BD4 Track Occupancy Detector module to Sig-naTrak® DSS1 LocoShuttle unit.
CP_SIGM20	Ribbon cable to connect 2xBD4 Track Occupancy Detector modules to Sig-naTrak® SIGM20 Automatic Signal Controller.
BHS1204_CB1	Additional cable for connecting BHS1204 DRIVER handset to ACE DCC controller (per metre).
DTX8A_CB1	Additional cable for connecting DTX8A to DAC10/DAC20 Advanced Accessory Decoder.
DTX8B_CB1	Additional cable for connecting DTX8B to SIGM20 Automatic Signal Controller.
Wire_7/02	10 metres of stranded 7/0.2mm PVC-covered wire. Available in black, red, orange, yellow, green, blue, violet, grey, white & brown.

CE Approved UK 3-pin Power Supplies

PS115017	15v 1A DC power supply "wall wart".
DCS2044_PSD	Replacement power supply for ACE DCC Controller (3.5 Amp).
DCS2044_PSH	Replacement power supply for ACE DCC Controller (5 Amp).

Please check our website at www.signatruk.co.uk for current prices and availability.



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We also sell a range of electrical components, the details for which are on our website, including LED's and switches suitable for use with our products and on your model railway.

To order any of our products, visit your local Sig-naTrak® stockist, or place an order on our website.

TECHNICAL SUPPORT

If you need technical support for your purchase, please see our website where our product manuals and a range of technical documents are available. You can also email us at ***support@signatrak.co.uk***.

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