



The Zen Black DCD-ZN218.6

Before we start, the Zen Black manual is well illustrated with lots of easy-to-understand diagrams and related pictures. Therefore... If you are a modeller that likes diagrams and pictures, or to explore further as you discover new things, [click HERE to be taken to the ZEN MANUALS.](#)

Daring to be different:

Zen Black has some amazing features, and the [ZN218.6](#) has every single one of them! Let's take a look.



Specifications

Connection Types Supported	21-pin, 8-pin and Hard Wire via Removable Harness
Size	22mm x 16mm
Power Capabilities	1.1 Amp Max
Lighting Functions	6 Full Power Functions
ABC Compatibility	YES - Braking, Stop, Slow and Shuttle Functions
Stay Alive Capability	Brown-Out Protection BUILT IN Wiring Connections for Optional High Powered Stay-Alive
Special Features	One-Step Setup Change *1* CV only to adjust speed curve

Reviews

Hornby Magazine - <https://www.youtube.com/watch?v=p61FqVXcAJU>

Cottesmore - <https://www.youtube.com/watch?v=txN5AMPJPBU&t=1s>

Instructional Video - <https://www.youtube.com/watch?v=sSOTc7ri9fl&t=132s>



What's "One Step Setup"?

We made ONE simple change do all of the others for you! If you have a ZEN Black decoder, just go to CV25. This chart tells the story. One change and it's done!
Of course, if you want to tweak this, you can. Just change the specific CV any way you want!

To simulate a loco/train that acts like the options below	SET CV25	Decoder settings will then become				
		CV2	CV3	CV4	CV5	CV6
DEFAULT SETTINGS	0	2	12	12	0	0
SHUNTING LOCO	1	2	4	4	72	24
LIGHT FREIGHT	2	2	6	6	84	32
HEAVY FREIGHT	3	2	18	24	96	40
EXPRESS FREIGHT	4	2	15	21	108	48
LIGHT ENGINE	5	2	4	4	96	40
LOCAL / BRANCH PASS.	6	2	12	12	96	40
STOPPING PASSENGER	7	2	15	18	108	36
EXPRESS PASSENGER	8	2	15	18	120	52
EMU or DMU	9	2	8	12	120	60

What's "Brown Out Protection"?

Previously, we supplied a small Stay-Alive to help reluctant locos run smoothly, but some modellers just do not want to solder and others simply cannot find the space for them, so we needed something better.

All ZEN Black decoders now include a really high level of internal "Brown-Out" protection to keep things running nicely even when wheels and track need a clean.

The result is even better running with NO need to add anything at all, even with those locos that previously gave you trouble no matter what you tried!

What's "ABC"?

ABC braking allows you to put automatic braking, slow sections and even a full shuttle onto your DCC layout, with just the addition of our ABC boards! Full information as well as wiring diagrams and ideas for your layout can be found in the ZEN BLACK MANUAL.



A Small Price to Pay!

The DCD-ZN218.6 is available in a number of different packs—just select the one that’s right for you!

- [DCD-ZN218.6](#) - Decoder Only
- [DCD-ZN218.6A](#) - Decoder PLUS 1x ABC Board
- [DCD-ZN218.6S](#) - Our Full Shuttle Pack - Decoder PLUS 3x ABC Boards

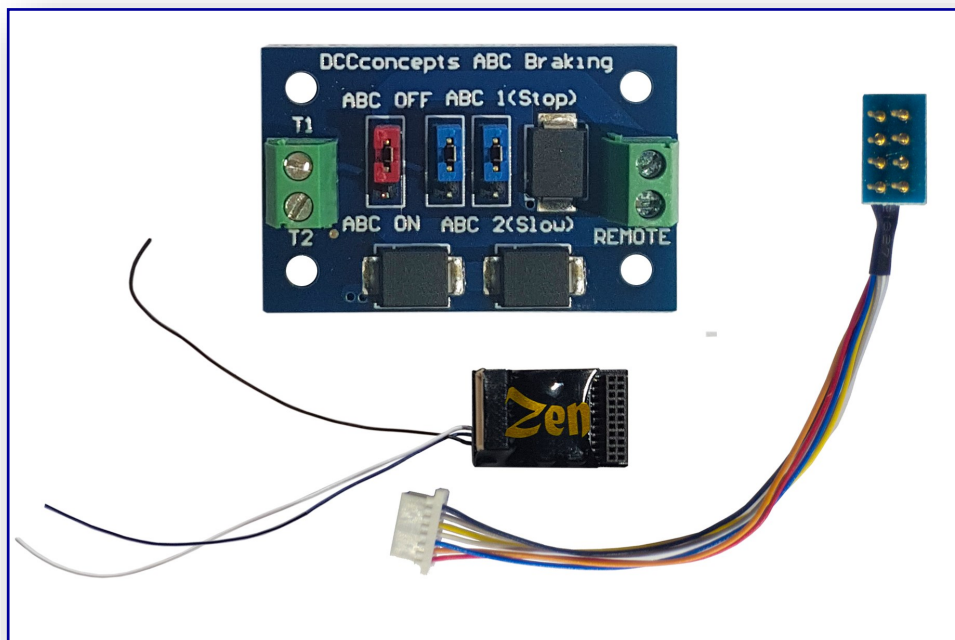
Click the links for pricing as this depends on your location.

Zen Black is also available in other formats:

- [DCD-ZNMINI.4](#) - 8-pin Harness Decoder Only
- [DCD-ZNMINI.4A](#) - 8-pin Harness Decoder PLUS 1x ABC Board
- [DCD-ZBHP.6](#) - Large Gauge 5-amp Decoder Only
- [DCD-ZBHP.6A](#) - Large Gauge 5-amp Decoder PLUS 1x ABC Board
- [DCD-ZBHP.6S](#) - Large Gauge Shuttle Pack - 5-amp Decoder PLUS 3x ABC Boards

More formats will follow in time.

Zen Black is also available from all of our dealers - you can find one near you on the map [HERE](#). At this time, it’s really important to support your local dealer so we would encourage you to take a look at what they have to offer!





The Most Versatile Decoder?

The FOCUS Forum. By the way... if you are not already a Focus Forum member, why not join?

[Click here.](#)

You will find a hassle free, informative, supportive forum to participate in, with lots of interesting threads, supportive members and a mountain of knowledge for you to share.

Richard Johnson, DCCconcepts CME