

MOZ NEWSLETTER

An update on the Magnorail System by MagnorailOz

Issue #6 brings you up to date on the happenings around MagnorailOz over the past few months.

However if you wish to unsubscribe from this Newsletter please click [here](#) to opt out.

Covid 19 lockdowns seem to be the way of life here in Australia over the past few months. Melbourne in the State of Victoria, has the *Honour* of being the longest locked down city in the world with over 260 days so far. Thankfully MagnorailOz is based in a small regional town some 3 hours away and has not had to endure curfews and less restrictive travel restrictions during the latter part of our lockdowns.

However the impact has still been hard as we have not been to an exhibition for 18 months because all exhibitions are cancelled during that time due to Covid 19 restrictions.

The support of you our customers is what has kept us going, so thank you to all of you across Australia, New Zealand, England, Hong Kong, Malaysia, Thailand and the USA that have continued to purchase from our web site. Looking at the reviews on our site you seem to be happy with the service we have given, as most rate us at 5 stars - THANK YOU it means a lot.

What does the future bring? We have to live with Covid and make sure everyone gets vaccinated before we can start going to exhibitions again and meeting fellow modellers face to face. The internet is fine but talking directly and showing people the magical Magnorail System in person is a thousand times better!

STAY SAFE AND WELL

Clyde

1

**MAGNORAIL MOVES
LEGO !**

YES A FULL LAYOUT
WITH 4 CIRCUITS!

2

NEW PRODUCTS

A NEW SPORTS BIKE
AND SOME
MODELLER BITS AND
PIECES FOR YOU.

3

YOUTUBE UPDATES

MAGNORAIL LAYOUTS
WE THINK ARE WORTH
INVESTIGATING

YouTube

Visit our channel at



[klatchco56](#) for 300+ videos featuring the Magnorail System

MagnorailOz



Selected dealers, sell the Magnorail system in Europe, Australia, USA. Go to our our online [shop](#) and website for prices. You will be surprised how competitive we are when considering exchange rates.
www.magnorailoz.com.au

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MAGNORAIL MOVES LEGO #2

Last Newsletter I updated you on the start of the new Lego layout using the Magnorail System. Well it was finally completed this month and a series of three videos uploaded to our YouTube channel - Check out the Lego Playlist at <https://youtube.com/playlist?list=PLdP2sBMWFOh13K0RT1vMWNZ-DPwHJwTaS> If you know anyone that is interested in LEGO in a big way, please forward the newsletter or video link as I am trying to get out to the broader Lego community.

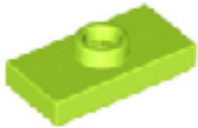
From the proof concept mini layout I did last year to the new four circuit layout just completed, I learnt a lot about Lego.

Whilst every block is precision engineered, the use of the various blocks is not constant across models and the various production years, especially when it comes to vehicles and the clearance between the chassis and the road bed. This has proven to be a challenge as the Magnorail sliders do not function well when some of the clearance was up to 1cm, so I decided to try and get magnets attached directly to the chassis.

Luckily a 5mm wide magnet fits snugly into the underside tube of a Lego brick or accessory such as the wheel housing subframes.



You can build up a sequence of smaller square plates or bricks to get the thickness you need, however you sometimes come up against an engineering problem where you only need half a brick or plate, hence the need for a longer magnet to compensate, as you don't want the magnet touching the baseboard creating friction between the surfaces.



A great piece is the jumper plate which can give you a centred tube to work with allowing for magnets placed directly in the middle of a model. You could probably spend a day at a lego spare parts centre picking out the best interface for your Lego and the Magnorail System.

The **CITY** section of the layout has two circuits. One specifically for smaller vehicles and motor bikes (Yes we move motor bikes too) and the outer one for larger vehicles or vehicles towing trailers. The outer circuit also has an accident that needs a detour, with the tow truck called in to right an overturned car. It is distractions like this that make the layout interesting rather than just having the vehicles only doing laps.



The older bikes need some adjustment to attach the magnets, but a bit of blutack does the job for the time being



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The **QUAD BIKE** section features a two level track for trikes, trail bikes and quads to roar around. I actually scanned and printed one of my baseboards and then using my photo app, changed the colour to a darker brown to keep the “Lego” look of the surface.

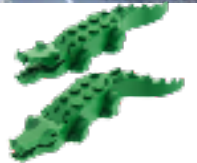


Magnorail requires a relatively smooth surface to operate on which means the Lego studs on a baseboard are not conducive to good running.

Initially I wanted a water hazard but found the quads couldn't cope with the sharp change in the steepness of the chain and would lose contact with the magnets - I might do some more work on the concept as the water part poses no problem as you can seal the roadbed because it is a plastic laminate. The the motive power is all under the roadbed and the latest lego is all plastic, whereas earlier models had metal axles that would rust. I think Magnorail sliders might help us around this problem - watch this space - or at least YouTube as I nut this through.



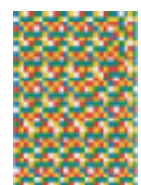
The **LAKE** section uses the same scanned laminated base material, but this time coloured blue. I had a bit of fun here by getting the crocodiles to chase boats and occasionally the shark makes its presence felt when the crocs are having a rest.



The boats and the space hopper are easily animated as it is just a matter of inserting magnets in to their bases and then a piece of adhesive backed velvet/velour is used on the bottom, to minimise friction (as used on jewellery boxes to stop any surface being scratched)



You may have noticed the surrounds and backboards featuring Lego bricks. When I was in Legoland Denmark I picked up some Lego wrapping paper (I don't know if it is available in Australia) but once again I scanned and laminated sheets double sided so they give a nice effect around the base of the layout.



I will be producing an in depth report on the Lego project for release in the Australian Rail Modeller Magazine, hopefully for the December or January issue.

In the meantime if you haven't read a copy of this great online Aussie hobby magazine, go to their website for the latest free online edition [here](http://railmodelleraustralia.com) or you can subscribe for a hard copy on their website <https://railmodelleraustralia.com>

MAGNORAIL NEW PRODUCT PLUS OTHER NEW ITEMS FOR SALE

Magnorail has released a new 3D printed **SPORTS BIKE RIDER** with incredible detail. It is one of the most modern looking cyclists in the Magnorail Ready-To-Run range - he even has sunscreen on his nose!

The cyclist is available in our webshop for \$50 using the code **MZC04B**. MAGNORAIL inventor Loek Bronkhorst still paints all the RTR cyclists so there is not a huge supply available at present, but we have been able to get five of the first batch and they won't last long, but we will be ordering more to keep up with demand as the production line ramps up.

Check out the photos below!



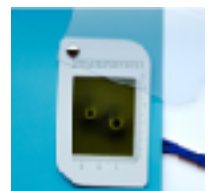
If you watched the first Lego Movie on our YouTube Channel, you will have seen the **MINI USB VACUUM CLEANER** that was used to clean up after the static grass application. We were able to secure an improved model which comes with a light built in so you can see into all those nooks and crannies of your layout as you tidy up. It is amazing how one small piece of ballast can wreck your engine or rolling stock, especially after being thumped around at an exhibition, so a small investment might save a larger expenditure later on. This works with any USB power pack, giving you a flexible tool that can cover your whole layout.

Our code is MZA23 and the cleaner costs \$15

For you train buffs who model Australia's Victorian Railways blue and gold era a couple of badges to include in your cap. A small - 2.5cm - pin on **TICKET INSPECTOR BADGE** with the old flying VR logo - \$5 code MZA13 or a **SEW ON EMBROIDERED CLOTH BADGE** at 4cm diameter with the letters VR only - \$6 code MZA14



We now have a good supply of **MAGNORAIL MAGNET VIEWERS** which are indispensable Magnorail modellers tool. You can track where your magnets are under the roadbed so easily with this cheap little tool. It also has a couple of rulers printed on it to confirm the magnet spacing if you are using various configurations for your bicycles. \$7- code MZA01





*We have a limited supply of **MAGNORAIL MAGICIAN MUGS.***

Great gift idea to drop a hint for Christmas for yourself or a mate, when you order your next Magnorail set or accessories to save on postage.

Our code is M6 and the mugs cost \$15 plus postage.

WE HAVE A RANGE OF SCENERY ITEMS THAT WILL BE LISTED OVER THE NEXT MONTH, SO KEEP YOUR EYE ON OUR WEB SHOP, HOPEFULLY MAGNORAIL WILL BE RELEASING THE NEW FATHER CHRISTMAS PRIOR TO CHRISTMAS AND WE WILL SEND AN UPDATE WHEN IT ARRIVES.

YOUTUBE VIDEOS WORTH WATCHING

As the volunteer curator for all things Magnorail on YouTube, I regularly scan for videos containing any Magnorail items in action.

The following are just a few that I think are worthy of your attention.

Obviously our official Magnorail Magicians page is a starting point where you find some of the top notch layouts incorporating our magical pedalling cyclists and cars moving around. Take a look [here](#) for a summary of their accomplishments in both the Master and 1st class rankings and follow the links to their respective videos.



I like this one at left, from Jürgen Theilmann which shows a summer scene in a German village with a couple taking a boat ride and a man touring the village on his bike.



The Ice Skaters from Jean-Mi Train channel look great on this small Magnorail circuit. They could have used a Z scale slider though to minimise the visual impact of the slider.



This is a commercial operation from Viniyak Art Studio who specialise in building scale models to sell apartment blocks and other developments but I like the way the addition of a small Magnorail circuit brings the whole model to life!

And don't forget to watch the Magnorail Teaser and send the link to your friends that may be interested



Please note that Australia Post is struggling with an extremely large volume of parcels around Australia but is having difficulty here in Victoria due to staff shortages with staff in quarantine or in hospital. During the past month they stopped parcel collections from large consignors twice for a week at a time in an effort to catch up. So the warning is there, if you want something for Christmas or early New Year projects, think about getting your act together now. This applies worldwide as freight logistics are stretched to the limit.

If considering a purchase from us, or really any online store, we would recommend paying for Express Post as this is a mail stream that seems to be working as near to normal whereas standard postage is being delayed considerably.

COMMENTS, QUERIES AND SUGGESTIONS

We would like to hear from you if you have any questions about Magnorail or would like see some specific videos on particular aspect of Magnorail.

Our blog page (click here *) discusses many aspects of using Magnorail and our FAQ pages (click here *) also answer queries we have received. Both are vital reading for someone looking to purchase a Magnorail starter set or currently installing a Magnorail circuit.

If you have a specific request you can email us at magnorailoz.com.au and you should get a reply within a day or so.

We would be pleased for comments on our videos as to whether you like them or found something interesting. If you would like a particular process highlighted from one of our general videos or an explanation of how someone else has created a particular effect in their video involving Magnorail, just send a link to the video with your query and we will take a look.

We do have a section on our YouTube channel with tutorials specific to the operation of the Magnorail System and would be happy to create a video on your specific request, as you can guarantee that you will not be the only person in the world that wants to know that special something. (click here *)

We would especially like for you to subscribe and hit the bell button so you will receive notification of any new videos we put up.



ABOUT MAGNORAILOZ

MagnorailOz is the registered business name of C.O.Humphries & Associates selling the Magnorail System and other accessories for the hobbyist.

Clyde, a business consultant by profession, is now semi retired having worked in many fields of endeavour, from finance, not for profit organisations, local government, retail and several of his own business enterprises.

Clyde claims he is not a master modeller but is a thinker and creative concept person who can visualise concepts and projects clearly. He sees the Magnorail System as a major creative step in the model hobby field from novices to pros.