



The Highest Quality Train Sets You Can Buy

A World of Your Own in Three Dimensions













In a world where much childhood play takes place on a two-dimensional screen, model railroading offers a form of play that is both old-fashioned and timeless. For more than a hundred years, children have been using toy trains — along with construction sets, toy figures, empty boxes, and anything else at hand — to build their own imaginary worlds.

While all of this can be accomplished today on a computer screen, there's still enormous value in building something with your hands, making it operate, and sharing it with your friends. Childhood development experts call it "unstructured, imaginative, free play" and they say it helps kids grow mentally and socially. We just think it's fun, and having fun has to be a good thing.

It's all here

In this catalog, we offer everything you need to build a miniature world of your own — or just put up a train around the Christmas tree, or anything in between. You'll find trains that are realistic and others that are whimsical. like our Christmas and tinplate sets.

Each of our ready-to-run sets includes everything you need to get started, all in one box. To expand your layout, we offer well over a hundred RailTown™ buildings and accessories; track systems in O Gauge and Standard Gauge; and a variety of safe, UL-approved transformers.



Start With the Best

Like the toy trains of decades ago, our trains are designed to stand up to childhood play and provide years of enjoyment. Compare our sets with those of our competitors, and you'll find M.T.H. trains are made of better materials, run more smoothly, last longer, and offer more features.

We invite you now to turn the page and see what we have to offer. We hope you'll find items in this catalog that will surprise and delight you, and encourage you to begin a model railroading adventure of your own.

www.mthtrains.com

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To get the news as it happens, sign up for our FREE weekly electronic newsletter, with information on new M.T.H. products, industry news, and sneak peeks at upcoming specials!

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See it in Action!

When you see this icon 😕 search for the item number on www.mthtrains.com to see a video of the item in action — or scan this QR code to see all of the product videos for this catalog!

www.mthtrains.com/news/552

M.T.H. TRAINS ARE MORE FUN!



M.T.H. trains are more fun because they feature the sights and sounds that make real trains dramatic and exciting — features that you can control from a handheld DCS Remote Commander* as you walk around your layout:

Great Smoke

Our steam engines feature fandriven, puffing ProtoSmoke™, the most powerful smoke system in the hobby, and our ES44AC diesel engines include variable intensity ProtoSmoke diesel exhaust.

Speed Control

Many toy trains have two speeds: fast and faster. Most M.T.H. locomotives feature the Proto-Sound® 3.0 sound and control system, which allows our engines

to throttle down as slow as 3 scale miles per hour, highball down the main line, or maintain any speed in between. The Proto-Speed Control™ built into Proto-Sound locomotives acts like the cruise control on a car, keeping your train moving at the speed you select, regardless of hills and curves.

Vivid Engine Sounds

Proto-Sound features crystalclear digital sounds: the wail of a diesel horn; the melody of an authentic steam whistle; the bell alerting passengers to your arrival or departure; steam chuff or diesel roar; and crew conversations.

Station Sounds

Proto-Sound passenger engines feature arrival and departure

announcements of famous passenger trains. Freight engines include Freight Yard Proto-Effects™, a symphony of freight terminal sounds.

Synchronized Chuff and Puff

Like a real steam engine, M.T.H. steamers feature puffs of smoke and steam chuff sounds synchronized with the drive wheels. Better than any other toy train, an M.T.H. locomotive portrays the drama of a steam engine slowly chuffing and puffing as it pulls out of a station and gets up to speed.

Remote Uncoupling

O Gauge Proto-Sound steam and diesel engines offer remote uncoupling anywhere on your layout, accompanied by the clank of the coupler opening and the hiss of air hoses parting.

Remote Control

Virtually every M.T.H. ready-torun train set includes a digital remote control. Later in 2015, users will be able to control Proto-Sound 3.0 equipped train sets with their favorite smart phone or tablet when the set is operated with the full DCS Digital Command System featured on page 86.



* Sets cataloged as Proto-Sound 3.0 include the DCS Remote Commander; trolley sets, Loco-Sound sets, and Traditional tinplate sets include a traditional transformer rather than the Commander.

THREE WAYS to get started in MODEL RAILROADING

RailKing® O Gauge

O Gauge has been the most popular size for children's starter sets for more than half a century. Compared with smaller scales and gauges, the large size of O Gauge trains makes them easy for children to handle and better at standing up to the rigors of childhood play. Impressive size and weight also make an O Gauge train a memorable toy that can leave a long-term impression.

Lionel Corporation Tinplate O Gauge

Made of stamped or die-cast metal and boasting bright, colorful paint schemes, tinplate trains hark back to the toys of another era, the pre-World War II decades of the twentieth century. This was a period when silent movies and then radio were among the chief forms of entertainment, and playthings were not intended to be realistic, but to serve as springboards for a child's imagination.

In that world, the toy train was king, proclaimed by Popular Mechanics as "The One Toy That Guarantees a Happy Childhood." Journey back to that era with our Lionel Corporation Tinplate reproductions of Lionel O Gauge trains of the 1920s and '30s, updated with modern Proto-Sound electronics for even more fun. Our tinplate O Gauge trains run on the same track and use the same remote controls as our RailKing O Gauge models.

Lionel Corporation Tinplate Standard Gauge

Significantly larger than O Gauge trains, Standard Gauge toy trains were popular before the invention of smaller electric motors made O Gauge trains possible. In the world of Standard Gauge, it was entirely plausible for a toy train company to advertise a shiny, cartoon-like locomotive as an amazingly realistic model of the latest technology on rails. The Standard Gauge world was inhabited by brightlycolored toys that were masterpieces of the toy-makers art, only loosely related to the real world, and a favorite toy of almost every boy in America.

While original Standard Gauge trains became extinct by the late 1930s, our Lionel Corporation Tinplate models enable you to relive the joy that a child felt when playing with these toys eight or nine decades ago. And thanks to Proto-Sound 3.0, you can enjoy these models with features that a child of the 1920s or '30s could only dream of, including clouds of puffing smoke, a wailing whistle, a clanging bell, and remote-controlled passenger station announcements.



QUALITY AND VALUE

Compare Before You Buy

At M.T.H., we consider the ready-to-run train set our best opportunity to make a great impression on any newcomer to the wonderful world of model railroading. That's why we don't skimp on the quality and value you'll find in every M.T.H. ready-to-run starter set. Compare our sets with those of our competitors and you'll see what makes an M.T.H. starter set the best way to begin your model railroading journey.

M.T.H. ready-to-run train sets include track, transformer, interactive DVD with track layout software and operator's manual.

Every M.T.H. passenger

car has a lighted interior

and metal trucks and

couplers.



Every M.T.H locomotive features durable metal gears, wheels and axles.



Every M.T.H. locomotive features a smooth, powerful drive train that can haul many additional cars.



Every M.T.H. Ready-To-Run Set features snap-together nickelsilver, rust-proof track, built to stand up to the rigors of childhood play. You can even stand on our O gauge track.



M.T.H. train sets feature powerful transformers and remote controls that can handle long trains as your railroad expands.



READY-TO-RUN SET FEATURES

As explained on the previous pages and detailed below, M.T.H. train sets are loaded with features you won't find in other manufacturers' sets. The following list covers the general features and contents of our train sets. For a specific listing of each set's features and contents, visit our Web site at www.mthtrains.com.

SET CONTENTS

O Gauge RailKing Sets (except trolleys) include:

- Locomotive
- 3-Car passenger or freight consist with metal trucks and couplers
- 31" x 51" 12-piece RealTrax™ oval
- Lighted track Lock-On, with wires to connect to transformer or power supply
- UL-approved 50-watt Z-500TM power supply with DCS Remote Commander handheld remote control (Proto-Sound 3.0 sets) or Z-Controller (Loco-Sound sets)
- RailWare[™] interactive DVD with track layout software

O Gauge RailKing Trolley Sets include:

- Bump-Reverse Trolley Car
- RailWare™ Interactive DVD With Track Layout Software
- 31" diameter 8-piece RealTrax circle
- ZDC Transformer With Controller
- Lighted track Lock-On, with wires to connect to transformer

O Gauge Lionel Corporation Tinplate Sets include:

- Locomotive
- 3-Car passenger or freight consist with metal trucks and couplers
- 31" x 51" 12-piece RealTrax oval
- Lighted track Lock-On, with wires to connect to transformer or power supply
- UL-approved 50-watt Z-500TM power supply with DCS Remote Commander handheld remote control (Proto-Sound 3.0 sets) or Z-Controller (Traditional sets)
- RailWare™ interactive DVD with track layout software



Standard Gauge Lionel Corporation Tinplate Sets include:

- Locomotive
- 2-Car passenger or 3-car freight consist
- 8-piece 42" circle of Standard Gauge track
- Lighted track Lock-On, with wires to connect to power supply
- UL-approved 50-watt Z-500TM power supply with DCS Remote Commander handheld remote control

LOCOMOTIVE FEATURES

RailKing O Gauge and Lionel Corp. Tinplate Proto-Sound 3.0 Steam Engines Feature:

- Die-cast metal boiler and chassis on RailKing O Gauge models
- Sheet metal boiler and die-cast metal chassis on Lionel Corp. Tinplate models
- Flywheel-equipped motor
- Synchronized puffing Proto-Smoke[™]
- · Operating headlight
- All-metal wheels and gears
- Proto-Sound 3.0 engines feature sound and control system with speed control and crystal-clear digital sounds that include whistle, bell, steam chuff, Passenger or Freight Station Proto Effects™, crew conversations, and atmospheric sounds

- Loco-Sound engines feature speed control and digital sounds that include whistle, bell, and steam chuff
- Remotely controlled Proto-Coupler™ on tender (not featured on Standard Gauge or Loco-Sound locomotives)

O Gauge RailKing Diesel Engines Feature:

- Intricately detailed, durable ABS body
- Metal frame
- · Die-cast metal pilots and trucks
- Twin flywheel-equipped motors
- Operating headlight
- All-metal wheels and gears
- 2 remotely controlled Proto-Couplers™
- Proto-Sound 3.0 sound and control system featuring locomotive speed control and crystal-clear digital sounds that include horn, bell, diesel motor, Passenger or Freight Station Proto-EffectsTM, crew conversations, and atmospheric sounds.
- ProtoSmoke diesel exhaust in RailKing Imperial ES44AC diesels

Check online at **www.mthtrains.com** for specific features and contents of all sets.



Pennsylvania Merchandiser



In its heyday, the Pennsylvania Railroad was one of the largest transportation systems the world had ever seen. Over its 30,000 miles of track roamed thousands of locomotives and tens of thousands of cars, most of them designed by the railroad itself and many of them built in the road's own shops in Altoona, PA. Its conquest of the Appalachian Mountains at Horseshoe Curve, just west of Altoona, was and still is a landmark of railroad engineering, carrying freight and passengers between the East and the Midwest.

Relive the glory days of the "Standard Railroad of the World" with this rugged, hard-working freight set. With its huge plumes of puffing smoke, deep chuffing sound, and wailing whistle, it's easy to imagine you're battling your way west across Horseshoe Curve to deliver the goods to Chicago or St. Louis. For even more fun, add extra cars decorated for the Pennsylvania and other railroads — this heavy, die-cast steam locomotive has plenty of power to pull them!





Pennsylvania Merchandiser - 2-8-0 Steam Freight R-T-R Train Set

30-4226-1 Proto-Sound 3.0 \$429.95 30-4226-0 Loco-Sound \$359.95



Pennsylvania - Box Car 30-74821 \$54.95



Pennsylvania - Ore Car 30-75515 \$49.95 Union Pacific Overland Flyer



Union Pacific Overland Flyer - 2-8-0 Steam Freight R-T-R Train Set

30-4228-1 Proto-Sound 3.0 \$429.95 30-4228-0 Loco-Sound \$359.95

On May 10, 1869, the Union Pacific and Central Pacific railroads met at Promontory Point, Utah to complete the first transcontinental railroad. Wagon trains and clipper ships were no longer the only way to the West Coast. More than a century later, the Central Pacific is gone but the Union Pacific is the largest railroad in North America, with more than 8,000 locomotives, 100,000 freight cars, and 32,000 miles of track in 23 states. Due to shared motive power agreements with other railroads, its famous Armour Yellow diesels can be spotted anywhere from Los Angeles to Boston. Proud of its long history, the UP also operates a Heritage Fleet of locomotives that includes Challenger No. 3985, the world's largest operating steam locomotive - soon to be joined by an even larger UP Big Boy that is currently under restoration.

Recreate the excitement of steam era railroading in the American West with this Union Pacific freight set that includes a rugged 2-8-0 steam locomotive with puffing smoke synchronized to the drive wheel revolutions: Proto-Speed Control for smooth and steady speeds from a crawl to full throttle: traction tires for tremendous pulling power; headlight to light up the night; and a full range of sounds from wailing whistle and clanging bell to squealing brakes and crew conversations.*



30-74822 \$54.95



Union Pacific - Ore Car 30-75516 \$49.95

*only in Proto-Sound 3.0 models



Broadway Limited



Broadway Limited - 2-8-0 Steam Passenger R-T-R Train Set 30-4227-1 Proto-Sound 3.0 \$449.95

The Broadway Limited was the premier train of the premier railroad in America. In an era before air travel was common, the Pennsylvania Railroad's Broadway — along with its rival, the New York Central's Twentieth Century Limited — were the way to travel between New York and Chicago in style. At the end of a long day at work, you could board the train, have a gourmet dinner in the diner while the porter made up your bed, be rocked to sleep by the gentle motion of your sleeping car, wake up to a fine breakfast, and arrive at your destination in time for a morning meeting.

Imagine you're a CEO or movie star taking in the view from the rear platform of the observation car, as the locomotive's whistle echoes off the Appalachian mountainsides. Our recreation of the Pennsy's finest name train features realistic whistle, bell, and steam chuff sounds, huge plumes of puffing smoke, and station announcements for the *Broadway Limited*. For even more fun, add extra lighted passenger cars, each with interior detail — this heavy, die-cast steam locomotive has plenty of power to get them over the mountains.



Pennsylvania - 0-27 Madison Coach 33-6244 \$54.95



Pennsylvania -0-27 Madison Diner 33-6245 \$54.95



Pennsylvania -0-27 Madison Combine 33-6246 \$54.95



The Christmas Express



The Christmas Express - 2-8-0 Steam R-T-R Train Set 30-4229-1 Proto-Sound 3.0 \$429.95

The holiday season and toy trains have always gone together. What better way to create your own family's version of this classic tradition than to include a beautifully decorated Christmas set around your holiday tree. Trimmed in traditional Christmas colors, the M.T.H. *Christmas Express* set captures the spirit and fun of model railroading in an affordable train set that will last for years.

The unique digital sounds of the Christmas Express will amaze your friends and family. Imagine their faces when the whistle wails, the bell clangs, or the conductor announces Santa's next station stop! Of course, seeing the puffing smoke from the locomotive as it pulls its three-car consist with die-cast metal trucks and operating metal couplers is even more impressive and tells all who see it that this is one great set.

Expand Your Christmas Set With Additional Cars see pages 26, 27 and 31.



Christmas - Flat Car with Bulkheads and LCL Containers \$30-76601 \$59.95



Christmas - Modern Tank Car 30-73443 \$54.95



Amtrak Intercity Express



Amtrak *Intercity Express* Passenger Set 30-4230-1 Proto-Sound 3.0 \$ 439.95



Amtrak- 2-Car O-31 Amfleet Coach Set 30-6521 \$119.95

Upon its creation in 1971, Amtrak inherited a motley collection of beat-up cars from the nation's former passenger carriers. With a mission to attract passengers back to train travel, one of Amtrak's first orders of business was to create a modern passenger fleet.

With a sleek, rounded body that looks more like an aircraft fuselage than a traditional passenger car, the first of nearly 650 new Amfleet cars was delivered in 1975, enabling Amtrak to begin retiring the so-called "heritage fleet." A decade later, Amtrak began the search for an equally modern locomotive to replace its aging fleet of F40PH and GP40 diesels.

Wary of buying more locomotives that were really designed for freight operation, Amtrak searched for a new, lightweight, high-tech alternative. Gen-

eral Electric provided an answer in the AMD-103 (for Amtrak Diesel-103 mph) "Genesis." Featuring a monocoque frame, advanced electronics, and special environmental and safety features, the Genesis represented the state-of-the-art in U.S. passenger locomotives. Forty-four of these 4,000 hp engines, numbered 800-843, were delivered between April and December 1993.

Our Amfleet set replicates the Genesis-powered Amfleet consists that can be seen today almost anywhere Amtrak goes, except the electrified portions of the Northeast Corridor. Our Proto-Sound 3.0-equipped Genesis features Proto-Speed control for smooth, steady speeds from a crawl to full throttle; remote-controlled Proto-Couplers; and a full symphony of train sounds, from passenger station announcements to diesel sounds, wailing horn, clanging bell and crew conversations.



CSX ES44AC Diesel



CSX - ES44AC Diesel R-T-R Deluxe Freight Train Set 30-4233-1 Proto-Sound 3.0 \$449.95



CSX - 4-Bay Cylindrical Hopper 30-75521 \$54.95



CSX - Flat Car with Bulkheads & LCL Containers 30-76602 \$59.95

These deluxe freight sets are headed by the one of most modern and greenest diesels on American rails today: General Electric's 4400 horsepower Evolution Series ES44AC. GE claims the EVOs are "the most fuel-efficient, most environmentally friendly diesel locomotives in history... If every freight train in North America were pulled by an Evolution Series Locomotive, the reduction of smog-producing pollutants would be like removing 48 million cars from the road each year."

Everything about these locomotives has been examined, questioned, and re-thought, generating 25 new U.S. patents in the process. Before they went on sale in 2005, 52 preproduction units were tested in revenue service across North America for more than a year. Today ES44ACs are rostered by every one of the Big Six roads that dominate rail transportation on the continent: Union Pacific, BNSF, CSX, Norfolk Southern, Canadian National, and Canadian Pacific. Around the world, more than 5,000 Evolution Series diesels are operating in 10 countries.



BNSF ES44AC



BNSF - ES44AC Diesel R-T-R Deluxe Freight Train Set 30-4235-1 Proto-Sound 3.0 \$449.95

Our superbly detailed, top-of-the-line RailKing Imperial model of this modern freight mover features a full range of locomotive sounds recorded from an actual ES44AC. Outfitted with twin powerful flywheel-equipped motors, all-metal wheels and gears, and our revolutionary Proto-Speed Control, our ES44AC will haul long freights at any speed from a crawl to full throttle. Remotely activated front and rear Proto-Couplers allow you to pick up and drop off freight wherever you like. Additional Imperial features on the ES44AC include operating diesel exhaust smoke and flashing ditch lights.

Model the ground-shaking, high horsepower drama of modern railroading with these RailKing Imperial freight sets. Imagine you're hauling goods from the midwest to the west coast on the BNSF Railway, or across the eastern half of the U.S. on the CSX — either way, you're at the throttle of one of the most fun-to-operate engines available in any train set today.



BNSF - 4-Bay Cylindrical Hopper 30-75523 \$54.95



BNSF -Flat Car with Bulkheads & LCL Containers 30-76604 \$59.95



Pennsylvania ES44AC Diesel



Pennsylvania - ES44AC Diesel R-T-R Deluxe Freight Train Set 30-4234-1 Proto-Sound 3.0 \$449.95



Pennsylvania - Flat Car with Bulkheads & LCL Containers 30-76603 \$59.95



Pennsylvania - 4-Bay Cylindrical Hopper 30-75522 \$54.95

Model the ground-shaking, high horsepower drama of modern railroading with these Rail-King Imperial freight sets — headed by locomotives running today on the Norfolk Southern, one of two roads that dominate rail transportation east of the Mississippi. Created in 1982 from the merger of the Norfolk & Western and Southern Railways, the NS took as its symbol the thoroughbred, to represent speed and reliabilty — a symbol proudly displayed on the nose of its black and white diesels. But the NS is also proud of its heritage, as its rails include the routes of hundreds of predecessor railroads, dating back to the 1820s.

In 2012, the NS decorated 20 new diesels in paint schemes commemorating the most famous of its predecessors. Our model of the commemorative Pennsylvania diesel honors perhaps the greatest of those "fallen flag" roads, the Pennsylvania Railroad, the self-proclaimed "Standard Railroad of the World." In its heyday, the Pennsy was one of the largest and best-run companies the world had ever seen, with a budget larger than the U.S. government and 30,000 miles of track serving



Norfolk Southern ES44AC



Norfolk Southern - ES44AC Diesel R-T-R Deluxe Freight Train Set 30-4236-1 Proto-Sound 3.0 \$449.95

what was then the industrial heartland of the United States. Norfolk Southern engines are still serviced today in the Pennsy's legendary locomotive shop in Altoona, PA.

Our superbly detailed, top-of-the-line Rail-King Imperial models of Norfolk Southern's ES44AC diesels feature a full range of locomotive sounds recorded from an actual ES44AC. Outfitted with twin powerful flywheel-equipped motors, all-metal wheels and gears, and our revolutionary Proto-Speed Control, these models will haul long freights at any speed from a crawl to full throttle. Remotely activated front and rear Proto-Couplers allow you to pick up and drop off freight wherever you like.

Additional Imperial features on the ES44AC include operating diesel exhaust smoke and flashing ditch lights. And with the DCS Remote Commander handheld controller included in each set, you can activate all of these features anywhere on your layout.



Norfolk Southern - Flat Car with Bulkheads & LCL Containers 30-76605 \$59.95



Norfolk Southern - 4-Bay Cylindrical Hopper 30-75524 \$54.95



2-8-0 Steam Engine

The 2-8-0 steam engine was first developed in 1864-1865 to provide power for heavy trains running at moderate speeds, especially on steep grades. Alexander Mitchell, the chief mechanic for the Lehigh and Maloney Railroad, an eastern Pennsylvania coal hauler, designed the original 2-8-0. The Pennsylvania Railroad (PRR) was the first to put the 2-8-0 type engine on the rails when they rebuilt a Baldwin flexible-beam engine to a 2-8-0 configuration. For more than forty years, the 2-8-0 Consolidation was America's standard freight locomotive, working hard on virtually every railroad.



Union Pacific - 2-8-0 Steam Engine 33-1039-1 Proto-Sound 3.0 \$299.95



Chessie - 2-8-0 Steam Engine 33-1043-1 Proto-Sound 3.0 \$299.95



Pittsburgh & Lake Erie - 2-8-0 Steam Engine 33-1044-1 Proto-Sound 3.0 \$299.95

Build Your Own Christmas Train



If you've been purchasing our traditional Christmas cars over the past ten years, you now have a chance to bookend those cars with a matching ES44AC locomotive and caboose to make up your very own Christmas train set! Scan the QR code to see all of the traditional cars we've produced since 2005 and learn more about this exciting locomotive and caboose offer.



2-8-0 Steam Engine





New York Central - 2-8-0 Steam Engine 33-1042-1 Proto-Sound 3.0 \$299.95



Long Island - 2-8-0 Steam Engine 33-1040-1 Proto-Sound 3.0 \$299.95



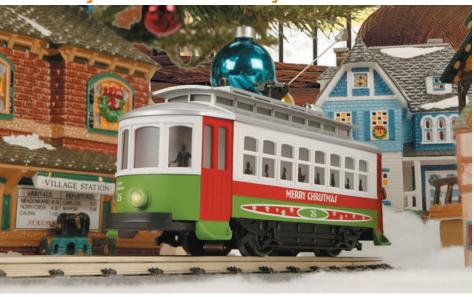
Pennsylvania - 2-8-0 Steam Engine 33-1038-1 Proto-Sound 3.0 \$299.95

Locomotive Features Red & Green Flashing Charging Lights!



Christmas - ES44AC Imperial Diesel & Caboose Set With Proto-Sound 3.0 30-20288-1 \$399.95

Ready-To-Run Trolley Set



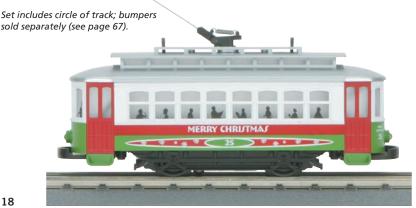


Trolley automatically reverses when it hits a bumper.

Christmas - Trolley R-T-R Train Set 30-4172-1 \$129.95

Introduce someone you love to model railroading with the magic of a RailKing Ready-To-Run trolley set, or take advantage of the way it complements your own holiday decor when set up around the Christmas tree.

The colorful trolley features a lighted interior, metal wheels and gears, and a long-lasting motor. The unit operates on any O Gauge track system including the easy-to-assemble RealTrax® system included with this set. Optional track bumpers can be added to take advantage of the Automatic Bump-Reverse Mechanism (ABRM) that changes the trolley's direction when it hits a track bumper.



Bump-n-Go Trolley New York Transit - Bump-n-Go Trolley 30-5139 \$79.95 City Lines - Bump-n-Go Trolley \$79.95 30-5140 Market Street - Bump-n-Go Trolley 30-5141 \$79.95 Trolley automatically reverses when it hits a bumper. Pittsburgh - Bump-n-Go Trolley 30-5142 \$79.95 Philadelphia - Bump-n-Go Trolley 30-5143 \$79.95

Christmas No. 269E Distant Control Freight Set



*Traditional locomotive features 1930s-style open-frame motor with mechanical reverse unit, and does not include sounds or smoke.

Exemplifying the gleaming sheet metal beauty of the tinplate era, our 269E Christmas set, headed by the 261E locomotive, is a great way to begin your own annual holiday tradition. Cataloged by Lionel in 1935 only, the 261E engine came out in the same year that Lionel announced its "greatest triumph of them all": its remote-controlled locomotive whistle that added "uncanny realism" to any layout. "Press a button and your locomotive will whistle any signal. Whether it's moving forwards, backwards, or standing still."

The 261E locomotive, with its 2-4-2-wheel arrangement, was advertised as a "high-speed, powerful locomotive, with a wealth of detail." In addition to the 261E steam engine, our holiday set celebrates the colors of the season with a candy striped tank car, holiday-themed hopper, and lighted caboose, all with gleaming bright metal trim.

Thanks to Proto-Sound 3.0 electronics, the Proto-Sound version of our 261E steamer deliv-

ers smoother operation than any original tinplate locomotive, as well as chuff sounds and huge plumes of puffing smoke — synchronized with the drivers' revolutions — and a clanging bell and wailing whistle guaranteed to brighten your family's holiday celebrations for years to come.









No. 269E Distant Control Freight Set



The 261E locomotive, with its 2-4-2-wheel arrangement and distant control, was advertised in 1935 as a "high-speed, powerful locomotive, with a wealth of detail and hinged boiler front", as well as Lionel's "greatest triumph of them all": its remote-controlled locomotive whistle that added "uncanny realism" to any layout. "Press a button and your locomotive will whistle any signal. Whether it's moving forwards. backwards, or standing still."

"Distant control" was Lionel's term for the locomotive reverse unit — actually invented by Lionel competitor Ives Manufacturing Company — that allowed an operator to reverse the engine from a distant transformer. Before distant control, reversing was accomplished by moving a lever on the locomotive itself.

Our Lionel Lines version of the 269E set recreates the glory days of tinplate with the advancements of modern electronics. Thanks to Proto-Sound 3.0, our 261E steamer delivers smoother operation than any original tinplate locomotive, as well as chuff sounds and huge plumes of puffing smoke — synchronized with the drivers' revolutions — and a clanging bell and wailing whistle guaranteed to delight children of all ages.



Christmas - No. 515 Std. Gauge Oil Car 11-30167 \$119.95



In the tinplate era, it was perfectly normal for a 4-wheeled toy to be advertised as an accurate replica of a famous 16-wheeled locomotive. So it was with Lionel's No. 318E — which was loosely based on the New York Central Railroad's S-2 electric locomotive, built to haul passengers to and from Manhattan's Grand Central Terminal after a 1908 law banished steam locomotives within the city limits.

Lionel's version, which was less sharp-edged and arguably handsomer than the real thing, was cataloged in freight and passenger sets from 1924-1931. Our Christmas-themed replica of a typical 318E freight set from the Roaring Twenties features the gleaming

paint and bright metal trim of the originals, plus the magic of Proto-Sound 3.0: blaring horn, clanging bell, Christmas-themed freight station sounds, and Proto-Speed Control to keep your train running smoothly and dependably at any speed from a crawl to full throttle.

The large size, vivid colors, and stellar sounds of this Standard Gauge set are sure to make it a favorite part of your holiday tradition. Included with the engine and its 3-car train are a DCS Remote Commander handheld controller with 50-watt power supply and an 8-piece circle of track, so you can begin running trains almost as soon as you open the box.



Christmas No. 318E Freight Set



No. 342E Outfit Passenger Set









Our recreation of this tinplate classic comes decorated in Lionel's iconic blue and orange color scheme and lettered for the fictional Lionel Lines. Car names commemorate locations of historic Lionel facilities. And thanks to Proto-Sound 3.0.

the set's 318E locomotive features a blaring horn, clanging bell, passenger station announcements, and Proto-Speed control for smooth, steady operation at any speed from a crawl to full throttle.



Operating Box Car w/Signal Man

RailKing operating freight cars add a new dimension and excitement level to your O Gauge layout with realistic action and quiet smooth operation in a way other operating cars cannot.

This car comes to life when parked on an operating track section. When the track section is activated, the car door opens and the signal man emerges with his lantern lit. Then he goes back into the car and the door closes until he's needed again.



New Haven - Operating Box Car w/Signal Man 30-79473 \$89.95



Western Pacific - Operating Box Car w/Signal Man 30-79474 \$89.95



Railway Express Agency - Operating Box Car w/Signal Man 30-79475 \$89.95



Christmas - Operating Box Car w/Santa 30-79430 \$89.95







Operating Action Car



This exciting car features a backlit, moving animation strip visible through each of the car's four large viewing windows. Utilizing a quiet and efficient motor and bright LED lighting, the animated action really shines bright!

Chesapeake Blue Crab III- Operating Aquarium Car

30-79469 \$79.95



Christmas - Operating Action Car 30-79470 \$79.95



Features bright, backlit moving scenes

Union Pacific - Operating Action Car 30-79471 \$79.95



Norfolk Southern - Operating Action Car 30-79472 \$79.95

Box Car w/Blinking LEDs

High quality, traditionally sized RailKing freight cars provide detailed bodies and colorful paint schemes for the O Gauge railroader. MTH makes an enormous variety of RailKing freight cars, including many different car types and roadnames. No matter what era or part of the country you are modeling, RailKing is sure to have something for you.



Long Island - Box Car w/Blinking LEDs 30-74826 \$79.95



New York Central - Box Car w/Blinking LEL 30-74827 \$79.95

Great Complement For Your Polar Sets!



Pennsylvania - Box Car w/Blinking LEDs 30-74828 \$79.95



Crossing signal lights flash alternately when car is moving or standing still

Santa Fe - Box Car w/Blinking LEDs 30-74829 \$79.95

28

Modern Tank Car



CSX - Modern Tank Car 30-73444 \$54.95







Norfolk Southern - Modern Tank Car 30-73446 \$54.95

The tank car was relatively uncommon until the 1870s, when the nascent petroleum industry ordered large quantities of metal tanks carried on wooden car bodies. By the early 1900s, a standard design had evolved that lasted throughout the steam and early diesel eras: an 8,000-11,000 gallon metal tank perched on a metal flatcar-like underframe.

The one big change during that time was the transition from riveted to welded construction, beginning in the late 1930s. Car builders introduced X-ray inspection of welds to ensure safety, as well as giant annealing ovens that could heat-treat assembled tanks to relieve joint stress. Welded tanks were stronger, less susceptible to rust and corrosion, and less likely to rupture in the event of a wreck.

At the same time as steam engines were disappearing, another innovation completely changed the appearance of tank cars. Beginning in the mid-1950s, a new design took hold: the tank itself became the structural backbone of the car, eliminating the need for a full-length underframe and making bigger tank diameters possible. More recently, tank cars have been required to have "double shelf" couplers designed to stay coupled in the event of a wreck, to minimize the potential for a coupler to puncture an adjacent car. Today's largecapacity tank cars carry a tremendous variety of liquids from oil to chemicals to foodstuffs. Tanks may be lined with glass or other materials in order to carry corrosive liquids, and may have heating or cooling apparatus to protect cargos that are sensitive to temperature extremes.



Gondola Car with Crates

On its customer Web site, the Union Pacific Railroad characterizes a gondola as an "extremely sturdy open design" for carrying "rugged unfinished commodities": its "large flat interior design with side walls" is described as "more flexible than a flat car." These qualities make the modern gondola particularly popular with the steel industry, for transportation of loose materials like scrap metal, waste, coke, and slag as well as finished products like iron or steel plate, pipe, structural steel, and rails for railroad track. Other commodities commonly shipped in these versatile cars include mineral ores, granite slabs, gravel, logs, lumber, railroad ties, large crates. and even prefabricated railroad track, also known as "panel track."

The name for these cars actually predates railroads. In the early 1800s, utilitarian flat-bottomed boats with low sides, used to transport coal down the Potomac River to the Washington D.C. area, were called gondolas as a spoof on the much fancier Venetian gondolas. Similarly shaped coal-carrying cars on early railroads earned the same moniker. As more specialized cars were invented for coal service, the gondola evolved into the general-purpose car it is today.

Like all RailKing freight cars, these gondolas feature die-cast metal trucks and couplers, metal wheels and axles, and durable, intricately detailed ABS plastic bodies built for a lifetime of model railroading. This model also includes detailed, removable packing crates.



Baltimore & Ohio - Gondola Car with Crates 30-72150 \$54.95



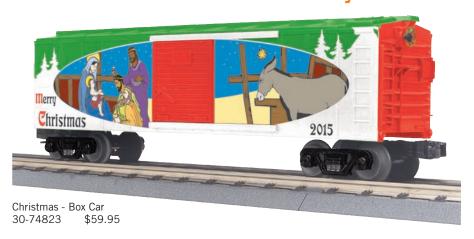
Delaware & Hudson - Gondola Car with Crates 30-72153 \$54.95



Great Northern - Gondola Car with Crates 30-72152 \$54.95



Holiday Box Car







Flat Car with Bulkheads and LCL Containers

On its customer Web site, the Union Pacific Railroad characterizes flat cars as available "in a variety of lengths, tonnage and capacities for specialized commodities that are not subject to damage from the elements." Attributes are listed as "easier to load and unload freight," "can drive machinery directly on to the car," and nailable wood or steel floors that allow "nail blocking and bracing to the floor for a damage-free, secure shipment." For shipping large or bulky items, from machinery to vehicles, the flat car has been the solution since the dawn of railroading.

This RailKing model depicts a flatcar with the added protection of end bulkheads to prevent a load from shifting past the ends of the car. Bulkheads are particularly useful with loads such as steel pipe and lumber, as well as the removable LCL containers on this model.

LCL (for "less than carload lot") containers date back at least to the 1920s, when an article in Shipper & Carrier magazine proclaimed that containers were "calculated to work revolutionary changes in freight handling.... The new system provides that the portable 'containers' shall be loaded and locked at the shippers' own store, and conveyed by motor truck and lifted by crane aboard the car. At destination the locked container is carried by motor truck direct to the consignee's door. All of the handling and checking processes between shipper and consignee are done away with at great saving of labor and time." While that language would apply perfectly today to modern intermodal containers, LCL-style containers are still in use in specialized services such as the "trash trains" that transport garbage to remote dumping sites.



Pittsburgh & Lake Erie - Flat Car with Bulkheads and LCL Containers 30-76606 \$59.95



Atlantic Coast Line - Flat Car with Bulkheads and LCL Containers 30-76608 \$59.95





New Haven - Flat Car with Bulkheads and LCL Containers 30-76607 \$59.95



Ore Car

Why are ore cars so short? Because the iron ore they carry is considerably heavier than typical hopper loads like coal, so a short car of ore fills the load capacity of its trucks. Ore cars, also called "jennies," were and still are a common sight in the Iron Range region of Minnesota and nearby states, where they shuttle between mines and Great Lakes ports. On the receiving end, jennies travel between ore docks and steel mills in a number of states. While they're commonly associated with upper Midwestern ore-hauling roads, ore cars have in fact been rostered by nearly 50 North American railroads, and at least a dozen have owned significant numbers of jennies.

Until World War II, ore cars generally carried "direct shipping" ore: ore that was rich enough in iron (60% or more) that it could be shipped direct to steel mills as a raw material. By the end of the war, however, the richer ore deposits had largely played out. Lower-grade taconite, once considered a waste product of mining, became the raw material of choice. Rather than being shipped as raw ore, taconite is refined and rolled into small pellets containing about 65% iron. So for more than half a century, the main payload of ore jennies has been taconite pellets, as well as occasional loads of sand or gravel.



Duluth Missabe & Iron Range - Ore Car 30-75517 \$49.95



Pittsburgh & Lake Erie - Ore Car 30-75518 \$49.95



Canton - Ore Car 30-75519 \$49.95



Southern Pacific - Ore Car 30-75520 \$49.95

4-Car O-27 Madison Passenger Sets

Add passenger service to your railroad with these detailed models of the heavyweight passenger cars that served travelers coast to coast for most of the twentieth century. Each car features die-cast metal trucks and couplers as well as a lighted interior (except baggage cars), and will operate on any 3-rail O gauge track, including the tightest 0-27 curves.



Pennsylvania - 4-Car O-27 Madison Passenger Set 33-6260 \$219.95



Long Island - 4-Car O-27 Madison Passenger Set 33-6261 \$219.95



Chessie - 4-Car O-27 Madison Passenger Set 33-6263 \$219.95



New York Central - 4-Car O-27 Madison Passenger Set 33-6262 \$219.95



Union Pacific - 4-Car 0-27 Madison Passenger Set 33-6264 \$219.95



Christmas - 4-Car O-27 Madison Passenger Set 33-6265 \$219.95



Accessorize Your Layout!



Create a miniature world for your railroad to serve with this wide variety of lighted RailTown™ buildings, operating accessories and O scale passengers and workers.

Maintenance Kit 30-50051 \$24.95

Keep your Trains Running Their Best

Track Cleaning Block 40-1099 \$24.95



#46 Crossing Gate and Signal 30-11017 \$39.95 Measures: 9" x 3 1/2" x 5 3/4"



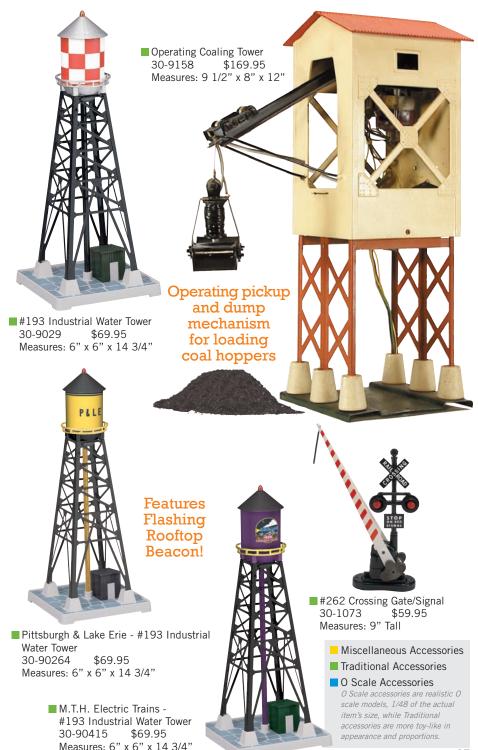
Pea Green - #580-1 Teardrop Lamp Set 30-1079A \$19.95
Measures: 6 3/4" Tall



7 oz. ProtoSmoke™ Fluid 60-1045 Unscented \$15.95 60-1046 Christmas \$15.95 60-1047 Coal \$15.95 60-1048 Diesel \$15.95 60-1049 Woodburning \$15.95

Assortment (36 pieces) 2 oz. ProtoSmoke™ Fluid Bottles 60-1051 \$189.95

| 2 oz. ProtoSmoke™ Fluid Bottles | | |
|---------------------------------|------------------------|--------|
| 60-1051A | Christmas | \$5.29 |
| 60-1051B | Coal | \$5.29 |
| 60-1051C | Diesel | \$5.29 |
| 60-1051D | Wood Burning (Hickory) | \$5.29 |
| 60-1051E | Coffee | \$5.29 |
| 60-1051G | Vanilla | \$5.29 |
| 60-1051H | Candy Cane | \$5.29 |
| 60-10511 | Barbeque | \$5.29 |
| 60-1051J | Pipe Smoke | \$5.29 |
| 60-1051K | Cinnamon Roll | \$5.29 |
| 60-1051L | Apple Pie | \$5.29 |
| 60-1051M | Unscented | \$5.29 |
| 60-1051N | Lemon | \$5.29 |
| | | |



Accessories

Train Announcements Change as Station Master Walks in Front of Board



Pennsylvania - #334 Dispatch Board 30-9165 \$119.95

Measures: 10 1/2" x 4 1/4" x 7 1/2"



■ Union Pacific - #334 Dispatch Board 30-9166 \$119.95

Measures: 10 1/2" x 4 1/4" x 7 1/2"



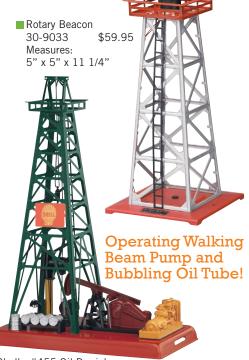
■314 Die-Cast Girder Bridge 30-12011 \$34.95

Measures: 10" x 4 1/2" x 1 3/4"

All Metal Construction!



■ Yellow - #395 Floodlight Tower 30-9025 \$59.95 Measures: 5" x 5" x 11 1/4"



■ Shell - #455 Oil Derrick 30-90033 \$129.95

Measures: 9 3/4" x 5 3/4" x 13 3/4"



100 TO 100 (10

2-Piece Crate Set 30-50027 \$14.95





2-Piece Cement LCL Container Set 30-50029 \$14.95

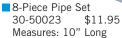




2-Piece Generator Set 30-50028 \$12.95



6-Piece Barrel Set 30-50024 \$11.95





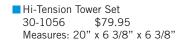
■ MTH Steel - I-Beam 8-Piece Set 30-50007 \$12.95 Measures: 7 1/4" Long

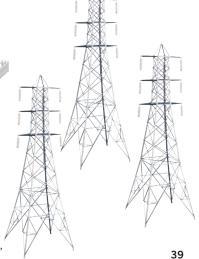


8-Piece Log Set 30-50008 \$14.95 Measures: 5" Long









Accessories





4-Pack Motorcycle Set #1 30-11084 \$27.95 Measures: 2" Long x 1" High



4-Pack Motorcycle Set #2 30-11085 \$27.95 Measures: 2" Long x 1" High





Union Pacific - Die-Cast Bus 30-50082 \$44.95Measures: 8" x 1 15/16" x 2 1/8"



Greyhound - Die-Cast Bus 30-50080 \$44.95 Measures: 8" x 1 15/16" x 2 1/8"



Pennsylvania - Die-Cast Bus 30-50083 \$44.95 Measures: 8" x 1 15/16" x 2 1/8"



Boston & Maine - Die-Cast Bus 30-50069 \$44.95 Measures: 8" x 1 15/16" x 2 1/8"



30-50068 \$44.95 Measures: 8" x 1 15/16" x 2 1/8"



Trailways - Die-Cast Bus 30-50081 \$44.95 Measures: 8" x 1 15/16" x 2 1/8"



Roadster Hardtops - 32-Pack Vehicle Set 30-50066 \$229.95



New York Central - Die-Cast Bus 30-50070 \$44.95 Measures: 8" x 1 15/16" x 2 1/8"





Jahn's Ice Cream - Lighted Billboard 30-90495 \$34.95 Measures: 7 1/2" x 5 3/4" x 6"



A&P Groceries - Lighted Billboard 30-90494 \$34.95 Measures: 7 1/2" x 5 3/4" x 6"



Horlacher's Brewing Company - Lighted Billboard 30-90479 \$34.95
Measures: 7 1/2" x 5 3/4" x 6"

30" Dual Track Straight Tunnel 40-1075 \$69.95 Measures: 30 1/2" x 22" x 11 1/2"



Miller High Life - Lighted Billboard 30-90496 \$34.95 Measures: 7 1/2" x 5 3/4" x 6"

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MARS - M&M'S® - Lighted Billboard 30-90480 \$34.95 Measures: 7 1/2" x 5 3/4" x 6"



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Accessories



Black - "0" Lamp Set - Hexagonal 30-1062 \$34.95

Measures: 4" Tall



■ Black - "O" Lamp Set - Square 30-1079 \$34.95

Measures: 4" Tall

Black - "O" Lamp Set - Round 30-1078 \$34.95 Measures: 4" Tall



"0" Lamp Set -Gooseneck Street Light 30-11032 \$34.95 Measures: 3/4" x 3 7/8"



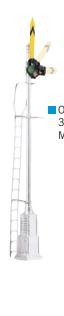


"O" Lamp Set - Triple Park Light 30-11034 \$34.95 Measures: 3/4" x 4 7/16"





■ O Scale Floodlight Tower Set 30-11039 \$89.95 Measures: 3" x 1 1/8" x 13 1/2"



Have your trains activate these signals with a RealTrax® ITAD (p. 67) or ScaleTrax™ ITAD (p. 77)

O Scale 3-Position Semaphore 30-11023 \$59.95 Measures: 7" Tall

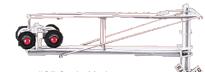


O Scale Flashing Barricades 30-11021 \$34.95 Measures: 1" x 1" x 2"

O Scale Modern Dwarf Signal 30-11038 \$39.95 Measures: 1 1/2" x 1" x 2 1/8"

Indicates switch position when used with ScaleTrax, Atlas O or Gargraves switches

Atlas O is a registered trademark of Atlas O; GarGraves is a registered trademark of GarGraves Trackage Corporation.



"O" Scale Modern
Operating Crossing Signal
30-11006 \$69.95
Measures: 7" Tall

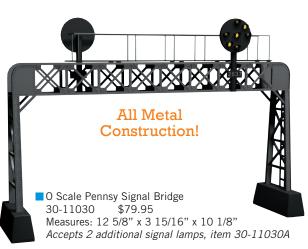


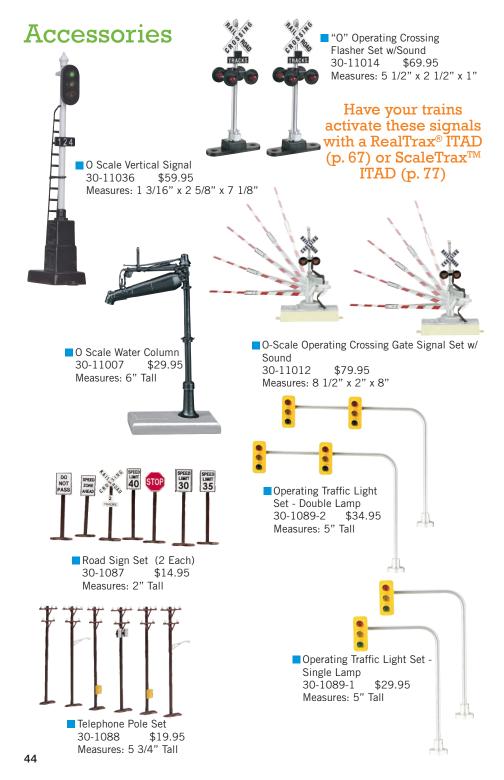
O Scale Tell-Tale 30-11026 \$19.95 Measures: 8" x 3"



O Scale Position Light Signal Lamps 30-11030-A \$19.95 Measures: 1 1/4" Tall (package of 2; fits 30-11030 Pennsy Signal Bridge)

Have your trains activate signal lamps with RealTrax ITADs (p. 67) or ScaleTrax ITADs (p. 77)









Flushing-Main Street / Roosevelt Avenue -Subway Entrance 30-90467 29.95 Measures: 3 5/8" x 1 3/4" x 2"



■ 42nd Street / Lexington Avenue - Subway Entrance

30-90469 \$29.95 Measures: 3 5/8" x 1 3/4" x 2"

Operating Lamps!



■ Vernon Boulevard-Jackson Avenue - Subway Entrance 30-90468 29.95 Measures: 3 5/8" x 1 3/4" x 2"



Billy Ray's Barbeque - Vendor Trailer 30-50071 \$39.95

Measures: 10" Long

Opening Side Doors with Lighted Interior!



Roscoe's Fireworks - Vendor Trailer 30-50072 \$39.95 Measures: 10" Long

Accessories



Assortment 1 - 6-Piece Figure Set 30-11071 \$19.95



Assortment 1 - 6-Piece Figure Set #12 30-11074 \$19.95



Assortment 3 - 6-Piece Figure Set 30-11073 \$19.95



Gas Station Attendants & Patron -6-Piece Figure Set #1 30-11045 19.95



Diner Patrons - 6-Piece Figure Set #3 30-11047 \$19.95



Cops & Robbers - 6-Piece Figure Set #5 30-11056 \$19.95



Assortment 2 - 6-Piece Figure Set 30-11072 \$19.95



Assortment 2 - 6-Piece Figure Set #12 30-11075 \$19.95



Passenger #4 - 12-Piece Passenger Figure Set 30-11068 \$29.95



Fire House Employees - 6-Piece Figure Set #2 30-11046 \$19.95



Bus Station Employees & Patrons -6-Piece Figure Set #4 30-11048 19.95



Miners - 6-Piece Figure Set #6 30-11058 \$19.95



Fire Scene - 6-Piece Figure Set #8 30-11060 \$19.95



30-11059 \$19.95



■ Passenger #3 - 12-Piece Passenger Figure Set 30-11067 \$29.95



Outdoor People - 6-Piece Figure Set \$19.95

30-11057

Railroad Employees - 12-Piece Figure Set #3 \$29.95 30-11055



Passenger Figures - 12-Piece Figure Set #1 30-11016 \$29.95



Passenger Figures - 12-Piece Figure Set #2 30-11029 \$29.95



Railroad Employees - 12-Piece Figure Set #3 30-11044 \$29.95



Subway - 12-Piece Passenger Figure Set 30-11063 \$29.95



Railroad Workmen - 12-Piece Figure Set #3 30-11066 \$29.95



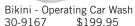




RailTown™ Buildings







Measures: 21 5/8" x 13 1/16" x 6 1/4"



Measures: 21 5/8" x 9" 13 1/8"



Fireman Squirts Real Water on Smoke and Flames

3-Story Town House On Fire \$139.95



Operating O Scale Water Tower 30-11028 \$99.95 Measures: 7 1/2" x 11" x 10 1/4"

30-9187 Measures: 6 3/8" x 3 15/16" x 7 1/8"

Engine Company 49 - Operating Firehouse 30-9157 \$189.95 Measures: 16 5/8" x 15 3/8" x 12 3/8"

Fireman Slides Down Pole, Door Opens, and Fire Truck Pulls Out With Siren Blaring









Figures Move
Freight Between
Buildings

MARS - M&M'S® - Operating Transfer Dock 30-9193 \$199.95

Measures: 18 7/8" x 10 3/16" x 9 3/4"



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The Old Reading Brewing Company - Operating Freight Platform

30-90190 \$59.95 Measures: 10" x 3 1/2" x 4"



Passengers or Freight Disappear When Train Departs



Middletown Station -Operating Freight Platform 30-9184 \$64.95 Measures: 10" x 3 1/2" x 4"

RailTown - Operating Station Platform

30-9163 \$64.95 Measures: 10" x 3 1/2" x 4"

Military - Operating Station Platform

30-9183 \$64.95 Measures: 10" x 3 1/2" x 4"



RailTown Buildings



Tank Lid and Ladder Move Up and Down to Simulate Tank Filling and Emptying



Mobil - Operating Storage Tank 30-9176 \$199.95 Measures: 17 5/16" x 11" x 10"



Esso - Operating Storage Tank 30-9175 \$199.95 Measures: 17 5/16" x 11" x 10"



Shell - Operating Storage Tank 30-9189 \$199.95 Measures: 17 5/16" x 11" x 10"

Attendant With Hose Descends to Fill Waiting Tank Car



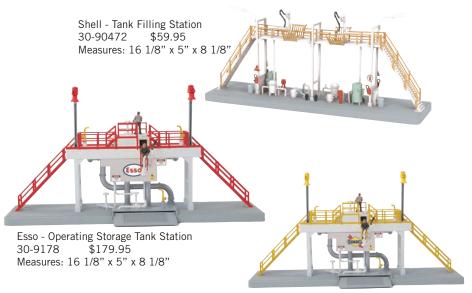


Sunoco - Tank Filling Station 30-90420 \$59.95

Measures: 16 1/8" x 5" x 8 1/8"



Mobil - Tank Filling Station 30-90419 \$59.95 Measures: 16 1/8" x 5" x 8 1/8"



Sunoco - Operating Storage Tank Station 30-9179 \$179.95 Measures: 16 1/8" x 5" x 8 1/8"

RailTown™ Buildings

Esso - Operating Gas Station 30-9106 \$179.95 Measures: 15" x 11" x 6 3/4"



Bay Door Opens, Car Pulls Out For Fill-Up

Union 76 - Operating Gas Station 30-9109 \$179.95 Measures: 15" x 11" x 6 3/4"



Gray & White - Public Works Building 30-90007 \$49.95

Measures: 14 1/8" x 9 7/8" x 8 1/8"

Sequentially Lighted Marquee Sign and Interior Lighting



Majestic - Movie Theater 30-90490 \$129.95

Measures: 16 3/4" x 13 9/16" x 9 1/16"

Buildings Feature Interior Lighting!



Tippy's Tacos - Fast Food Restaurant Stand 30-90085 \$69.95

Measures: 14 1/2" x 12" x 7 1/2"



Burger Chef - Fast Food Restaurant Stand

30-90084 \$69.95

Measures: 14 1/2" x 12" x 7 1/2"



Gray & Black - Police Station 30-9099 \$89.95 Measures: 13 1/4" x 8 3/8" x 10"



RailTown City Bank - Bank w/Coin Slot 30-90223 \$79.95 Measures: 9 1/2" x 17 15/16" x 9 1/8"



Sand Stone - 3-Story Town House #1 30-90373 \$44.95 Measures: 4 1/8" X 6 3/4" X 7 11/16"



Brown Stone - 3-Story Town House #1 30-90372 \$44.95 Measures: 4 1/8" X 6 3/4" X 7 11/16"



Main Street Brick - 3-Story Town House #2 30-90375 \$44.95 Measures: 4 1/8" X 6 3/4" X 7 11/16"



Miner Red Brick - 3-Story Town House #2 30-90374 \$44.95 Measures: 4 1/8" X 6 3/4" X 7 11/16"



Dusty Yellow Brick - 3-Story Town House #3 30-90377 \$44.95 Measures: 4 1/8" X 6 3/4" X 7 11/16"



Light Tuscan Brick - 3-Story Town House #3 30-90376 \$44.95 Measures: 4 1/8" X 6 3/4" X 7 11/16"

RailTown Buildings



Tom's Toggery - 3-Story City Building 1 30-90486 \$69.95 Measures: 8 1/4" x 10" x 10 1/8"



Hippy's Tattoos - 3-Story City Building 1 30-90487 \$69.95 Measures: 8 1/4" x 10" x 10 1/8"



Dewey, Cheetum & Howe - 3-Story City Building w/Fire Escape & Blinking Sign 30-90154 \$79.95 Measures: 12 3/4" x 6 5/16" x 9 3/16"



Hubie Skriemen D.D.S. - 3-Story City Building w/Fire Escape & Blinking Sign 30-90155 \$79.95 Measures: 12 3/4" x 6 5/16" x 9 3/16"



Ives - 3-Story City Building 1 30-90440 \$69.95 Measures: 8 1/4" x 10" x 10 1/8"



Eatie Gourmet's - 3-Story City Building 1 30-90351 \$69.95 Measures: 8 1/4" x 10" x 10 1/8"



Norman's Taxidermy - Corner Building w/Blinking Sign 30-90475 \$59.95 Measures: 9 7/8" x 7 7/16" x 7 1/16"



Benedetto Brooklyn Meat's & Deli -Opposite Corner Building w/Blinking Sign 30-90476 \$59.95 Measures: 9 7/8" x 7 7/16" x 7 1/16"

Buildings Feature Interior Lighting!



New Genco Importing Co. -3-Story City Building 1 30-90500 \$69.95 Measures: 8 1/4" x 10" x 10 1/8"



Today's Vinyl Records - Opposite Corner Building w/Blinking Sign 30-90477 \$59.95 Measures: 9 7/8" x 7 7/16" x 7 1/16"



Ali's Tiki Bar - Corner Building w/ Blinking Sign 30-90474 \$59.95 Measures: 9 7/8" x 7 7/16" x 7 1/16"



Doolittle & Daily Retirement Apartments -4-Story Building 30-90347 \$69.95 Measures: 9 1/16" x 8 11/16" x 13 9/16"

RailTown Buildings



Tavern Burger - Single Story Corner Store 30-90392 \$59.95 Measures: 10 3/8" x 8 3/8" x 6 1/4"



Downtown Hobby - Single Story Opposite Corner Store 30-90451 \$59.95

Measures: 10 3/8" x 8 3/8" x 6 1/4"



Grevhound - Bus Station 30-9040 \$149.95 Measures: 16 3/4" x 18 1/8" x 9 1/16" Includes die-cast bus



MARS - M&M'S® - Country Passenger Station 30-90456 \$69.95

Measures: 18 5/8" x 7 3/8" x 6 5/8"



Squeeky's Auto Parts - Single Story Corner Store 30-90448 \$59.95

Measures: 10 3/8" x 8 3/8" x 6 1/4"



Wine Shop - Single Story Opposite Corner Store

30-90450 \$59.95

Measures: 10 3/8" x 8 3/8" x 6 1/4"



Measures: 14 5/8" x 5 1/8" x 3 7/8"



RailTown - Country Passenger Station

30-90455 \$69.95

Measures: 18 5/8" x 7 3/8" x 6 5/8"



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Dark Red Brick - Passenger Station

w/dual Platforms

30-90094

Measures: 39" x 10 1/2" x 8 1/2"





Hooterville - Train Depot 30-90501 \$59.95

Measures: 11 1/2" x 7 3/4" x 4 3/4"



Gray w/Green Roof - Passenger Station Platform 30-90315 \$24.95 Measures: 10" x 3 1/2" x 4"

> **Buildings Feature** Interior Lighting!



Elevated Station Platform 30-90027 \$34.95

Measures: 13 1/2" x 5 1/2" x 4"

Red & Black - Country Freight Station 30-90004 \$39.95 Measures: 9" x 5 1/2" x 5"





30-90425 \$119.95

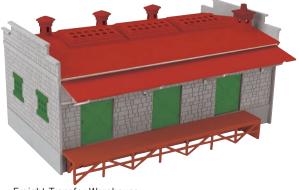
Measures: 24" x 8 1/2" x 8 3/4"

Compatible with Lionel® FasTrackTM



Single Stall Engine Shed 30-90423 \$89.95 Measures: 24" x 5 1/2" x 8 3/4"

RailTown Buildings



Freight Transfer Warehouse 30-90408 \$69.95

Measures: 13 3/16" x 8 3/4" x 6 3/16"



Union Pacific - Switch Tower 30-90430 \$54.95 Measures: 6 1/8" x 10 1/2" x 9"



Gray & Maroon - Trackside Yard Tower 30-90006 \$39.95 Measures: 4" x 4" x 7 1/2"



Cream & Dark Gray - Power Station 30-90003 \$29.95 Measures: 4 1/4" x 4 1/8" x 3 7/8"



Strasburg - Switch Tower 30-90429 \$54.95 Measures: 6 1/8" x 10 1/2" x 9"





Operating Watchman's Shanty 30-9185 \$79.95

Measures: 4 1/2" x 5 15/16" x 4 1/8"

Door Opens and Watchman Pops Out of Lighted Shanty!



New York Central - Operating Watchman's

Shanty

30-9186 \$79.95

Measures: 4 1/2" x 5 15/16" x 4 1/8"



Drucker's - Country Store 30-90499 \$59.95 Measures: 8 7/8" x 5 1/8" x 5 1/2"



Ice Cream - Country Store 30-90437 \$59.95 Measures: 8 7/8" x 5 1/8" x 5 1/2"





S&D Dry Goods and Provisions -2-Story Store Front Building 30-90164 \$54.95 Measures: 6 1/2" x 8" x 8 5/8"



Model Train - Country Store 30-90436 \$59.95 Measures: 8 7/8" x 5 1/8" x 5 1/2"

RailTown Buildings



30-90293 \$44.95 Measures: 8 1/2" x 5 7/16" x 4 1/4"

Regina's Soft Ice Cream - Road Side Stand



Big Cletus' Bar-B-Que - Road Side Stand 30-90294 \$44.95 Measures: 8 1/2" x 5 7/16" x 4 1/4"



King Soda - Barn 30-90498 \$79.95

Measures: 16 1/2" x 18 3/4" x 9 1/2"



Marberger Dairy - Barn 30-90497 \$79.95

Measures: 16 1/2" x 18 3/4" x 9 1/2"



30-90407 \$79.95

Measures: 16 1/2" x 18 3/4" x 9 1/2"



Grace Valley Feed and Supply - Dry Goods Transfer Warehouse 30-90082 \$79.95

Measures: 13 1/2" x 8 1/4" x 9 1/8"



Country Bingo Hall 30-90466 \$39.95

Measures: 9 1/4" x 6 1/8" x 5"



Country School House 30-90465 \$39.95 Measures: 9 1/4" x 6 1/8" x 5"



Buildings Feature Interior Lighting!



Measures: 7 7/8" x 4 5/8" x 10 9/16"



Yellow - #4 Country House 30-90186 \$44.95 Measures: 9 5/8" x 5" x 7"



Gray Stone - Granary 30-90188 \$69.95

Measures: 10 1/4" x 7" x 11 1/8"



Maroon & Yellow - #6 Farm House 30-90253 \$44.95 Measures: 7 1/2" x 7 1/2" x 7"



Dark Cream - #6 Farm House 30-90178 \$44.95 Measures: 7 1/2" x 7 1/2" x 7"



Green - #4 Country House 30-90185 \$44.95 Measures: 9 5/8" x 5" x 7"

RailTown Buildings



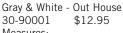


Off-White/Green - Row House #2 \$39.95 30-90119 Measures: 8 1/2" x 4 5/8" x 7"





Tan/Brown - Row House #2 30-90120 \$39.95 Measures: 8 1/2" x 4 5/8" x 7"



Measures:

1 3/16" x 1 5/16" x 2 7/16"





Mustard & Red - Work House #1 30-90008 \$34.95 Measures: 8 5/8" x 4 7/16" x 4 7/8"



Blue & White - Telephone Shanty 30-90002 \$12.95 Cream & Oxide - Work House #2 Measures: 2" x 1 5/16" x 2 11/16"

30-90011 \$34.95 Measures: 8 5/8" x 4 7/16" x 4 7/8"







Mobile Home 30-90108 \$29.95 Measures: 7 1/8" x 2 3/8" x 2 3/4"

Measures: 8 5/8" x 4 7/16" x 4 7/8"



Gray & Black - Work House #2 30-90010 \$34.95

Measures: 8 5/8" x 4 7/16" x 4 7/8"



Mobile Home 30-90109 \$29.95

Measures: 7 1/8" x 2 3/8" x 2 3/4"

Trucks and Couplers



RailKing 3-Rail Bettendorf Freight Car Two-Truck Pack 30-89001 \$19.95 RailKing 3-Rail Roller Bearing Freight Car Two-Truck Pack

30-89002 \$19.95

400

Premier 3-Rail Bettendorf Freight Car Two-Truck Pack 20-89003 \$24.95 Premier 3-Rail Roller Bearing Freight Car Two-Truck Pack

\$24.95

20-89004

Premier 2-Rail



2-Rail Bettendorf Freight Car Two-Truck Pack 20-89001 \$24.95 2-Rail Roller Bearing Freight Car Two-Truck Pack 20-89002 \$24.95 2-Rail Lightweight Passenger Car Two-Truck Pack

\$29.95



2-Rail Heavyweight Passenger Car Two-Truck Pack 20-89014 \$29.95 2-Rail Bettendorf Caboose Two-Truck Pack 20-89015 \$24.95 2-Rail Roller Bearing Caboose Two-Truck Pack 20-89016 \$24.95 2-Rail 64' Woodsided Passenger Car Two-Truck Pack 20-89012 \$29.95



20-89007

Proto-Scale 3-2™ 4-Wheel Truck Scale Wheel Set 20-89005 \$39.95 Proto-Scale 3-2 6-Wheel Truck Scale Wheel Set 20-89006 \$59.95 Proto-Scale 3-2 4-Wheel Truck Hi-Rail Wheel Set 20-89008 \$39.95 Proto-Scale 3-2 6-Wheel Truck Hi-Rail Wheel Set 20-89009 \$59.95





No. 804 Kadee Coupler & Draft Gear Box Set (Plastic) 20-89018 \$4.75 No. 805 Kadee Coupler & Draft Gear Box

Set (Metal)

20-89019 \$4.75

End-Of-Train-Device Roller Bearing Freight Truck

White End-of-Train-Device Roller Bearing Freight Truck 20-89013 \$24.95
Yellow End-of-Train-Device Roller Bearing Freight Truck



Flashing Red LED



Proto-Sound 2.0 10-Pin Wireless Drawbar Set 20-89011 \$29.95
Proto-Sound 3.0 6-Pin Wireless Drawbar Set 1 20-89020 \$29.95
Proto-Sound 3.0 6-Pin Wireless Drawbar Set 2

20-89021 \$29.95

O Gauge RealTrax®

Rugged - Realistic -Reliable

At M.T.H. we believe a track system should allow your model railroad empire to grow. The RealTrax system includes 72 different components for maximum expansion capabilites. You'll find bridges. curves of all sizes, elevated and graduated trestles, crossovers, and every straight and curved configuration you'll need to create your own model railroad

empire. And every piece of RealTrax is rugged, realistic. and reliable so you can have fun running your trains.



Rugged

Because most toy train empires begin on a carpet or floor, RealTrax is designed to hold up to the rigors of childhood play. Strong snap-together connections make it easy to assemble or change a layout in minutes. And the built-in roadbed helps keep dirt on the floor away from the wheels and gears of your trains.





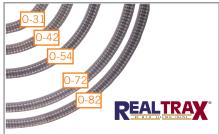
Realistic

With its realistic crossties and ballasted roadbed. RealTrax looks like the mainline track used by heavy freights and high-speed passenger trains. Unlike older O gauge track with a round cross section. RealTrax uses flat-top "T"-rail like a real railroad.

Reliable

Nickel silver rail ensures that RealTrax will never rust. Spring-loaded phosphor bronze contacts provide superior electrical connections between track sections. The contacts are spring loaded to maintain a solid connection over time and are highly resistant to corrosion of any kind.

RealTrax switches feature the same durable construction as regular RealTrax sections and utilize long-lasting switch motors that provide precise throws every time. The reversible motor mechanism quickly snaps onto the other side of the switch if space is a problem. No disassembly of the switch is required! Lighted switch controllers allow you to throw a switch remotely from a distance, and lights on the controller indicate which direction the switch is thrown - green for straight and red for curved.



IT TAKES EIGHT 0-31 CURVES TO MAKE A CIRCLE. IT TAKES TWELVE O-42 CURVES TO MAKE A CIRCLE. IT TAKES TWELVE O-54 CURVES TO MAKE A CIRCLE. IT TAKES SIXTEEN 0-72 CURVES TO MAKE A CIRCLE. IT TAKES SIXTEEN 0-82 CURVES TO MAKE A CIRCLE.



RealTrax - 10" Ground Track 40-1068-2 \$8.99





RealTrax - 10" Straight Track Section 40-1001 \$4.49



RealTrax -5.5" Track Section 40-1012 \$3.99



RealTrax -5.0" Track Section 40-1016 \$3.99



RealTrax -4.25" Track Section 40-1017



RealTrax -3.5" Track Section 40-1018 \$3.99

Crossover & **Operating Sections**



RealTrax -90° Crossover Track 40-1006 \$24.95



RealTrax -45° Crossover Track 40-1007 \$24.95



RealTrax -Operating Track Section 40-1008 \$29.95 (activates M.T.H., Lionel and other brands of operating cars)



RealTrax - Adapter Track Section 40-1011 \$8.99

Tubular Track Not Included





RealTrax - 5" Insulated Straight Track Section Set 40-1029 \$8.99



RealTrax - 30" Straight Track Section 40-1019 \$12.99



RealTrax -O-31 Half Curve Track O-42 Half Curve Track O-54 Half Curve Track O-72 Half Curved 40-1022 \$3.99



40-1045 \$4.49



RealTrax -40-1057 \$4.99



RealTrax -Track Section 40-1049 \$4.99



RealTrax -0-31 Curved Track Section 40-1002 \$4.49



RealTrax -40-1042 \$4.99



RealTrax -O-42 Curved Track Section O-54 Curved Track Section 40-1054 \$4.99



RealTrax- 0-72 Curved Track Section 40-1010 \$5.99



RealTrax- O-82 Curved Track Section 40-1082 \$5.99

Switches



RealTrax -0-31 Switch (RH) 40-1004 \$64.95



RealTrax -0-31 Switch (LH) 40-1005 \$64.95



RealTrax -0-42 Switch (RH) 40-1043 \$74.95



RealTrax -0-42 Switch (LH) 40-1044 \$74.95



RealTrax -0-54 Switch (RH) 40-1055 \$79.95



RealTrax -0-72 Switch (RH) 40-1020 \$89.95



RealTrax -0-72 Switch (LH) 40-1021 \$89.95



RealTrax -0-72 Wve Switch 40-1068 \$89.95

O Gauge RealTrax®

O Girder Bridge - Rust 40-1104 \$34.95 O Girder Bridge - Silver 40-1102 \$34.95 O Girder Bridge - Black 40-1106 \$34.95



*Bridges now compatible with Lionel® FasTrack™



O 2-Track Girder Bridge - Rust 40-1110 \$39.95 O 2-Track Girder Bridge - Silver 40-1108 \$39.95 O 2-Track Girder Bridge - Black 40-1112 \$39.95



O 2-Track Steel Arch Bridge - Rust

\$99.95 40-1109

O 2-Track Steel Arch Bridge - Silver

40-1107 \$99.95

O 2-Track Steel Arch Bridge - Black

40-1111 \$99.95

Includes Flashing Bridge Beacon



O Steel Arch Bridge - Rust \$79.95 40-1103 O Steel Arch Bridge - Silver \$79.95 40-1101 O Steel Arch Bridge - Black 40-1105 \$79.95





Tunnel Portal -Double Track 40-9015 \$19.95



Tunnel Portal -Single Track 40-9014 \$14.95



8 Piece Elevated Subway Trestle Set

40-1047 \$34.95

8 Piece Elevated Subway Trestle Set For Lionel Fastrack

40-1157 \$39.95



RealTrax - 24-Piece Graduated Trestle System

40-1033 \$54.95

RealTrax - 24-Piece Graduated Trestle System

For Lionel Fastrack 40-1113 \$54.95



40-1071

Power & Track Pack

\$169.95

100 WATT
POWER SUPPLY!

RealTrax - 8-Piece Elevated Trestle System

40-1034 \$34.95

RealTrax - 8-Piece Elevated Trestle System

For Lionel Fastrack 40-1134 \$34.95

78

RealTrax - Lighted Lockon 40-1003 \$5.99



RealTrax -Track Clips (24) 40-1041 \$7.95



RealTrax - Non-Slip Track Pads (50/pack) 40-1046 \$7.95



Lighted Bumper 40-1024 \$14.95



RealTrax - Track Activation Device (I.T.A.D.) 40-1028 \$24.95

Layout Builders



RealTrax - Layout Builder (8 Pcs) 40-1023 \$29.95 (Contains: (2) 3.5" Half Tracks, (2) 4.25" Half Tracks, (2) 5.0" Half Tracks, (2) 5.5" Half Tracks)

RealTrax - Figure 8 Layout Builder 40-1025 \$59.95

(Contains: (4) 0-31 Curves, (4) 10" Straights, (1) Lighted Lockon, (1) 90 Degree Crossover)



RealTrax - Grade Crossing

\$9.95

40-1009

RealTrax - Right Hand Track Siding Layout Builder 40-1027 \$89.95 (Contains (1) Right-Hand 0-31 Switch

(Contains (1) Right-Hand O-31 Switch, (4) 10" Straights, (1) O-31 Curve, (1) RealTrax™ Bumper)

RealTrax - Left Hand Track Siding Layout Builder 40-1026 \$89.95 (Contains (1) Left-Hand 0-31 Switch, (4)

(Contains (1) Left-Hand O-31 Switch, (4) 10" Straights, (1) O-31 Curve, (1) RealTrax Bumper)

(Contains (1) 0-72 Wye Switch, (6) 10" Straights, (2) Lighted Bumpers, (2) 0-72 Half Curves)

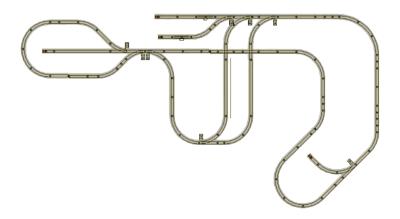
RealTrax

O-72 Wye Switch Spur Layout Builder

40-1069 \$149.95

RealTrax[®] Layouts

STORY OF OIL 13x23 FEET



This layout is a good example of how a loop can be elaborated until it doesn't look like a loop anymore. This track plan also thinks like a point to point, because we are following the entire cycle of the oil business, from the oil well to the gas pump and beyond. On the left we have the oil fields and the storage tanks for the freshly extracted crude oil. At the storage tank station, you can fill tank cars with black gold. These tank cars will be dropped off at the oil refinery in the middle of the layout. You'll need to build the refinery yourself, but it's a relatively easy model to build. Refineries are basically flat-roof metal buildings surrounded by LOTS of pipes and storage tanks. Empty tin cans, tin foil, and lots of flexible drinking straws colored silver with a paint marker will create the effect quite nicely.

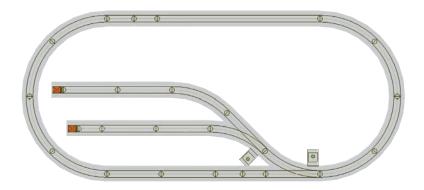
Behind the refinery is a plastics factory. Here you drop tankers of oil on one track and carry away covered hoppers full of plastic pellets from the other track.

Finally, we pass into a suburban area with houses and a gas station. This gas station is unusual in that it receives its gasoline in a tank car that you leave on the siding in the back, rather than having it trucked in. The operating gas station and car wash add the final touch of delivering the gas to consumers!

TRACK REQUIRED

- (38) MTH 40-1001 10 inch straight
- (7) MTH 40-1016 5.0 inch straight
- (3) MTH 40-1019 30 inch straight
- (4) MTH 40-1024 track bumper
- (5) MTH 40-1043 0-42 lefthand switch
- (3) MTH 40-1044 0-42 righthand switch
- (40) MTH 40-1042 O-42 curve
- (6) MTH 40-1017 4.25 inch straight
- (2) MTH 40-1006 90° cross
- (6) MTH 40-1012 5.5 inch half straight
- (2) MTH 40-1008 uncoupling track
- (4) MTH 40-1018 3.5 inch straight

ACTION IN 3x6 FEET



Here's a layout small enough to fit in a bedroom, yet still big enough to give you the fun of real railroading. The track plan is basically a loop, but the small yard enables you to have passengers and switching operations, in addition to continuous running trains. With detailed scenery, this layout makes a pleasing and enjoyable railroad for the modeler with limited space.

TRACK REQUIRED

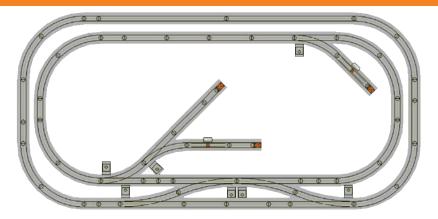
- (9) MTH 40-1002 0-31 curve
- (1) MTH 40-1019 30 in straight
- (3) MTH 40-1017 4.25 in straight
- (2) MTH 40-1016 5.0 in straight
- (1) MTH 40-1004 031 righthand swit ch
- (1) MTH 40-1005 031 lefthand switch
- (6) MTH 40-1001 10 inch straight
- (2) MTH 40-1024 track bumper

SPACE

The most important limitation most railroads encounter is space. Does the house have a spare room, basement, or attic? These are by far the most popular places for model railroads, because they use space that nobody else in the house wants. That means the railroad can be set up permanently, with appropriate lighting, backgrounds, seating, and even a little workbench for assembling buildings, painting cars and so on. If you are lucky to have such a space available, get a tape measure and plot out how large the room is. The size and shape of the room will help define your railroad.

RealTrax® Layouts

DOUBLE TRACK IN 4x8 FEET



This layout strikes a nice balance between action and scenery. Create a contrast between town and country by using scenic separation to stretch the 4x8 feet into a whole countryside. Your town might have an attractive station (complete with street clock and operating American flag) and a coal loader, as well as a water tank for your engines. Add a lake and a farm on the opposite shore, with a siding for picking up milk cans in the morning and unloading empties in the evening. And with two tracks, you can run two trains at a time, ensuring constant movement.

SHAPE

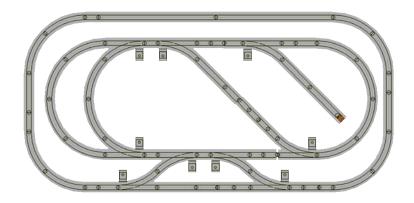
Often, instead of getting an entire room or basement to itself, a railroad can acquire several small adjoining areas, spread across one or more rooms. Perhaps the main line will fill the corner of the basement rumpus room, with storage yard tracks running through a tunnel in the wall and onto a shelf over the washer and dryer. Perhaps the line can fill shelves along two walls of a room.

These kinds of limitations can radically change the track plan of your railroad. In addition, these sorts of small intrusions into other space can provide areas of expansion for a more conventional train table line that needs room to grow.

TRACK REQUIRED

- (16) MTH 40-1002 0-31 curve
- (1) MTH 40-1005 031 lefthand switch
- (2) MTH 40-1004 031 righthand switch
- (4) MTH 40-1018 3.5 in straight
- (9) MTH 40-1001 10 inch straight
- (2) MTH 40-1012 5.5 inch half straight
- (3) MTH 40-1017 4.25 in straight
- (6) MTH 40-1016 5.0 in straight
- (2) MTH 40-1019 30 in straight
- (2) MTH 40-1020 072 righthand switch
- (2) MTH 40-1021 072 lefthand switch
- (3) MTH 40-1024 track bumper
- (2) MTH 40-1008 uncoupling track
- (2) MTH 40-1014 10 inch girder bridge

MAX ACTION IN 4x8 FEET



Just as the name implies, this track plan really packs in the activity! As many tracks as will fit, plus all the operating accessories to keep them humming, make this a great plan for the modeler who likes to keep his freight trains busy. With two tracks, you can keep a train rolling at all times while another works its way around serving the many industries in this town. Accessorize this layout with lighted Rail-Town buildings and an operating coaling tower, water tower, freight transfer dock, or crossing gates, and you and your visitors will have plenty to see and do!

TRACK REQUIRED

(3)

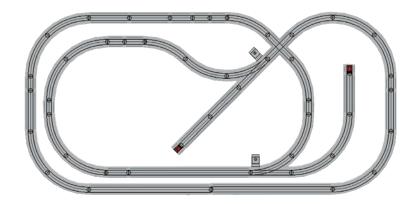
- (18) MTH 40-1002 0-31 curve
- (2) MTH 40-1019 30 in straight
- (6) MTH 40-1001 10 inch straight
- (5) MTH 40-1016 5.0 in straight
- (6) MTH 40-1004 031 righthand swit ch
- (16) MTH 40-1018 3.5 in straight
- (2) MTH 40-1012 5.5 inch half straig ht
 - MTH 40-1017 4.25 in straight
- (3) MTH 40-1005 031 lefthand switch
- (1) MTH 40-1024 track bumper

ROOM TO OPERATE

The kinds of railroad action you most enjoy will also influence your layout. Do you like lots of switching cars in the yard? Then your layout will feature a big yard, which often works well on a shelf. Do you want long mainline runs through rural terrain? Then your layout will probably require a twice-around loop with mountains, trees, or other view blockers to make the trip look longer.

RealTrax[®] Layouts

TWICE AROUND 4x8 FEET



One way of making your layout seem bigger is to have the trains make two trips around the table before it gets back to the starting point. This track plan does just that. It also includes a couple of sidings for you to pick up and drop off cars. If you have more room and can put in more straight track, this plan can become very realistic.

TRACK REQUIRED

- (4) MTH 40-1018 3.5 in straight
- (20) MTH 40-1002 0-31 curve
- (3) MTH 40-1019 30 in straight
- (7) MTH 40-1001 10 inch straight
- (1) MTH 40-1006 90° cross
- (3) MTH 40-1017 4.25 in straight
- (2) MTH 40-1012 5.5 inch half straight
- (1) MTH 40-1005 031 lefthand switch
- (1) MTH 40-1004 031 righthand switch
- (1) MTH 40-1016 5.0 in straight
- (2) MTH 40-1024 track bumper

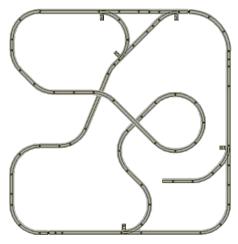
THE SCENIC ROUTE

The style of scenery you want will also determine the shape of your layout. Mountains and bridges will require more up and down space than fields and forests. A desert will make a big open, flat area, that may require a mountain to hide the other end of the track. Cities can look great and provide a real contrast with rural scenery, but buildings do take up considerable space. Tracks move differently through different kinds of terrain, with a mountain logging railroad having a very different track plan from the Union Pacific roaring across the Nebraska cornfields.

TRAIN TIME

Tracks were also used differently at varying points in history. If you are modeling the 1850s, there won't be much call for double-track mainlines or complex switchyards. On the other hand, if you are modeling today's high-speed container trains, complex yards and multi-track should be the rule.

WILD WEST/CIVIL WAR 10x10 FEET



This is an old-time layout which incorporates several interesting features. The most challenging is the helix curve around the mountain, where the train passes over itself. This not only gives you a cool over/ under effect, but it captures the rugged flavor of early railroads clawing their way through the mountains to open up the country. This will require a relatively steep grade, but since 1860s trains were short and pulled by little 4-4-0 locomotives, you shouldn't have trouble operating it. You'll want to be sure to use RailKing engines with Proto-Sound 2, so that you have the speed control, otherwise you might have some runaway trains!

Another important detail is the arrangement of track switches up by the town. This arrangement is called a "wye" because it resembles the letter "Y." It's important because a wye enables you to turn trains around, so they can face either direction. It's sort of like backing your car into a driveway to change directions on a street. A wye can be a helpful addition to all sorts of track plans and the one shown here is about as compact as you can build.

To keep the trains busy, there is also a mine on the side of the mountain, served

by the siding in the lower right corner. The water tank makes sure the trains don't get stuck out in the wilderness, miles from town. And the track from the bottom of the wye passes through a tunnel in the mountain, which is always a popular sight with visitors.

If you want to represent the Wild West, you can paint your scenery in desert shades of orange and brown, with little cacti and tumbleweeds. For a Civil War scene, cover the mountains with pine trees, and fill the fields with grass, farm crops, and soldiers. In the West, the mine might be producing gold or silver, in the Civil War, it's probably digging coal.

TRACK REQUIRED

- (24) MTH 40-1002 0-31 curve
- (6) MTH 40-1019 30 in straight
- (3) MTH 40-1005 031 lefthand switch
- (14) MTH 40-1001 10 inch straight
- (2) MTH 40-1004 031 righthand switch
- (5) MTH 40-1012 5.5 inch half straight
- (3) MTH 40-1042 042 curve
- (4) MTH 40-1018 3.5 in straight
- (4) MTH 40-1017 4.25 in straight
- (2) MTH 40-1022 0-31 half curve
- (2) MTH 40-1016 5.0 in straight

RealTrax® Catenary



The RealTrax® Catenary System and RealTrax Catenary Expander are O Gauge's only ready-to-use catenary systems that setup in minutes! Simply position the authentic-looking catenary poles and wires per your layout's requirements, and enjoy the realism of a fully functional easy-to-use catenary system.

8-Piece System Features:

- Compatible with RealTrax® or any other O-Gauge Track
- Removable RealTrax® Lock-On Base Connection
- Thumbscrew Power Terminals
- Adjustable Pole Spacing
- Adjustable Messenger Beam Height
- Adjustable Wire Positioning
- Base Mounting Screws Included



Catenary Hardware Pack 40-1039 \$29.95

This Pack Contains: (4) Messenger Expander Plates, (4) Messenger Extension Plates, (16) Screws, (16) Star Lock-Washers, (16) Nuts

Tinplate Standard Gauge Track



Std. Gauge Track w/ Roadbed - 1/2 42" Diam. Curve 11-99043



\$4.99

\$5.99



bed - 72" Diam. Curve \$6.99

Std. Gauge Track w/ Roadbed - 3.5" Straight Roadbed - 14" Straight 11-99001 \$5.99



Std. Gauge Track w/Roadbed - Lighted Lockon 11-99004 \$5.99



Std. Gauge Track w/ Roadbed- Switch Adapter Track Section 11-99011 \$8.99



Std. Gauge Track w/ Roadbed - Adapter Track Section 11-99010 \$8.99



Std. Gauge Track w/Roadbed - 7" Straight 11-99002 \$4.99



Std. Gauge Track w/

11-99018

11-99073

Std. Gauge Track w/Road-

Std. Gauge Track w/Roadbed - 1/2 72" Diam. Curve bed - 28" Straight 11-99003 \$12.99



11-99095

Std. Gauge Track -84" Dia. Curved

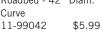
\$5.99



Std. Gauge Track -42" Dia. Reg. Curved 11-99093 \$4.99



Std. Gauge Track -Straight w/Extra Ties 11-99092 \$5.49





Std. Gauge Track - 72" Std. Gauge Track -Dia. Wide Radius Curve 1/2 Reg. Straight 11-99094 \$5.49 11-99096



Std. Gauge Track - 36" Extra Ties Straight 11-99099 \$9.99



Std. Gauge Track -42" Diam. 1/2 Curved

11-99097 \$3.49

Std. Gauge Track -14" Straight 11-99091

\$4.99



Std. Gauge Track - 36" Straight 11-99098 \$8.99

O/Std. Gauge Tubular Track Activation Device (TAD) 11-99090 \$14.95

O/Std. Gauge Tubular Track Lighted Lockon 11-99021



Green Base - Std. Gauge Switch -Right Hand 42" Diam.

11-99044 \$89.95

Green Base - Std. Gauge Switch - Left

Hand 42" Diam.

11-99045 \$89.95

Green Base - Std. Gauge Switch (Wide Radius) - Right Hand 72" Diam.

11-99074 \$99.95

Green Base - Std. Gauge Switch (Wide Radius) - Left Hand 72" Diam.

11-99075 99.95



Black Base - Std. Gauge Switch - Right Hand 42" Diam. 11-99046 \$89.95 Black Base - Std. Gauge Switch - Left Hand 42" Diam. 11-99047 \$89.95 Black Base - Std. Gauge Switch (Wide Radius) - Right Hand 72 11-99076 \$99.95 Black Base - Std. Gauge Switch (Wide Radius) - Left Hand 72 11-99077 \$99.95

Std. Gauge #25 Illuminated Track Bumper Set 11-99024 \$49.95



Std. Gauge #20 90 Degree Crossover 11-99006 \$49.95

O Gauge ScaleTrax™



ScaleTrax[™] by MTH Electric Trains is the ultimate track layout solution for which detail-oriented scale 3-rail model railroaders are searching. No longer will an O Gauge modeler have to accept the "tubular" track look because ScaleTrax[™] offers maximum accuracy and the exceptional quality of MTH products. They are perfect for your authentic looking layout.

Each ScaleTraxTM track section features two solid extruded authentically profiled Nickel Silver rails and one inconspicuous solid extruded center rail - all affixed to accurately sized and spaced track ties. No longer will your consists ride too high off the ground. Best of all, the end-of-rail electrical connectors come pre-welded to the underside of each section. There simply is no need to plug in your soldering iron when using ScaleTraxTM.

Whether assembling your first layout, adding to a present layout, or replacing your old track, ScaleTrax™ is the most rugged, realistic, scale proportioned, easy-to-use 3-rail scale O-gauge track system available.



ScaleTrax - 10" Straight Track Section 45-1001 \$4.99



IT TAKES EIGHT 0-31 CURVES TO MAKE A CIRCLE. IT TAKES TWELVE 0-54 CURVES TO MAKE A CIRCLE. IT TAKES SIXTEEN 0-72 CURVES TO MAKE A CIRCLE. IT TAKES SIXTEEN 0-80 CURVES TO MAKE A CIRCLE.



ScaleTrax - 5.0" Track Section 45-1013 \$3.99



ScaleTrax - 1.75" Track Section 45-1011 \$2.49



ScaleTrax - 4.25" Track Section 45-1012 \$3.99



ScaleTrax - 5.5" Track Section 45-1014 \$3.99



ScaleTrax - 30" Track Section 45-1019 \$13.99





ScaleTrax - 22.5° Crossing 45-1015 \$24.95



ScaleTrax - 90° Crossing 45-1005 \$19.95



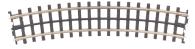
ScaleTrax - 45° Crossing 45-1006 \$19.95



ScaleTrax - 15" Operating Track Section 45-1035 \$24.95



ScaleTrax - O-31 Curved Track Section 45-1002 \$4.99



ScaleTrax - 0-54 Curved Track Section 45-1007 \$5.29



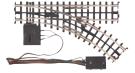
ScaleTrax - O-72 Curved Track Section 45-1010 \$5.99



ScaleTrax - O-80 Curved Track Section 45-1034 \$6.99



ScaleTrax - No. 6 Switch (LH) 45-1052 \$89.95 ScaleTrax - No. 6 Switch (RH) 45-1053 \$89.95



ScaleTrax - 0-31 Switch (RH) 45-1004 \$69.95 ScaleTrax - 0-31 Switch (LH) 45-1003 \$69.95



ScaleTrax - ITAD 45-1028 \$34.95



ScaleTrax™ 2-Rail O-Scale Track

ScaleTrax - 2-Rail 17" Straight Track Section 45-2017 \$7.99



ScaleTrax - 2-Rail 36" Radius Curved Track Section 45-2036 \$8.99



ScaleTrax - 2-Rail 22" Radius Curved Track Section 45-2022 \$7.99



ScaleTrax - No. 4 Switch (LH) 45-1050 \$89.95 ScaleTrax - No. 4 Switch (RH) 45-1051 \$89.95



ScaleTrax - 0-72 Switch (RH) 45-1020 \$79.95 ScaleTrax - 0-72 Switch (LH) 45-1021 \$79.95



ScaleTrax - 0-54 Switch (RH) 45-1009 \$79.95 ScaleTrax - 0-54 Switch (LH) 45-1008 \$79.95



ScaleTrax™ Layout Packages

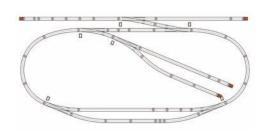
Don't have the time or inclination to design your own layout? Check out ScaleTrax layout packages, featuring track plans designed in a variety of sizes and shapes, many with the ability to easily expand into a bigger and bigger empire. Each package includes all the track and switches needed to build a complete layout. For details and track plans, click the ScaleTrax logo at the bottom of the M.T.H. home page, www.mthtrains.com. Order the Scaletrax components from any M.T.H. Authorized Retailer and M.T.H. will drop ship your order directly from Maryland. If you prefer to design your own plan use RR Track layout design software and take your design to any M.T.H. Authorized Retailer and we will drop ship the order for them.

Roosevelt Junction

Roosevelt Junction starts small at just 4 ft. by 8 ft., but can grow in four phases to reach an awesome 8 ft. by 16 ft. railroading empire. Each 4 ft. by 8 ft. phase adds new operating possibilities. As you grown in the O Gauge railroading hobby, your layout can grow with you.

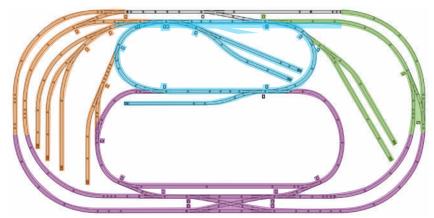
Roosevelt Junction - Phase 1

Roosevelt Junction begins as a small railroad with lots of fun. Sidings on both sides of the mainline allow for interesting switching operations between an engine yard and freights sidings. The mainline allows for continuous running when you want to sit back and watch the trains. The passing siding is long enough to accomidate most starter set trains, allowing two trains to pass each other.



ScaleTrax Pieces

| Item # | Description | MSRP | QTY | Extension |
|---------|--------------------|---------|----------|-----------|
| 45-1001 | 10 inch straight | \$4.99 | 6 | \$29.94 |
| 45-1002 | O-31 curve | \$4.99 | 6 | \$29.94 |
| 45-1010 | 0-72 curve | \$5.99 | 5 | \$29.95 |
| 45-1011 | 1.75 inch straight | \$2.49 | 3 | \$7.47 |
| 45-1012 | 4.25 inch straight | \$3.99 | 6 | \$23.94 |
| 45-1013 | 5 inch straight | \$3.99 | 1 | \$3.99 |
| 45-1014 | 5.5 inch straight | \$3.99 | 6 | \$23.94 |
| 45-1019 | 30 inch straight | \$13.99 | 3 | \$41.97 |
| 45-1020 | O-72 RH switch | \$79.95 | 3 | \$239.85 |
| 45-1021 | 0-72 LH switch | \$79.95 | 1 | \$79.95 |
| 45-1025 | bumper | \$15.95 | 4 | \$63.80 |
| 45-1033 | lock-on | \$4.25 | 6 | \$25.50 |
| 45-1051 | #4 RH switch | \$89.95 | 2 | \$179.90 |
| 45-1101 | | PACKAG | E TOTAL: | \$780.14 |



Roosevelt Junction - Phase 2

The second phase of Roosevelt junction adds numerous operating possibilities. The mailine doubles in length, yard capacity nearly triples, and a reversing wye allows entire trains to change direction.

Roosevelt Junction - Phase 3

The third phase of Roosevelt junction adds still more operating possibilities. The mailine again doubles in length and a long two-track spur is added making a perfect location for engine sheds or dead-end sidings.

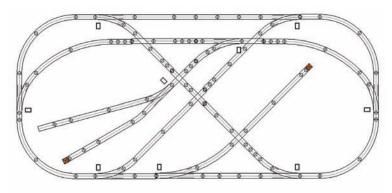
Roosevelt Junction - Phase 4

The fourth and final addition to Roosevelt Junction transforms the layout into a hi-rail empire. The layout now sports a double track mainline with minimum 0-72 curves as well as an interior 0-31 loop allowing independent operations of three trains. Carefully located crossovers permit east access from either 0-72 mainline into the yards. Three yard spurs connect to the mains with 0-72 or larger curves so that even the largest articulated locomotives will feel right at home in Roosevelt Junction.

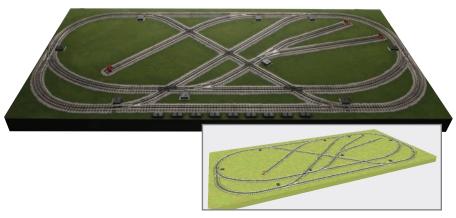
| Item # | Description | MSRP | QTY | Extension |
|----------------------------------|--------------------|---------|-----|-----------|
| 45-1001 | 10 inch straight | \$4.99 | 3 | \$14.97 |
| 45-1002 | 0-31 curve | \$4.99 | 3 | \$14.97 |
| 45-1003 | 0-31 LH switch | \$69.95 | 1 | \$69.95 |
| 45-1007 | 0-54 curve | \$5.29 | 3 | \$15.87 |
| 45-1009 | 0-54 RH switch | \$79.95 | 1 | \$79.95 |
| 45-1010 | 0-72 curve | \$5.99 | 11 | \$65.89 |
| 45-1011 | 1.75 inch straight | \$2.49 | 11 | \$27.39 |
| 45-1012 | 4.25 inch straight | \$3.99 | 2 | \$7.98 |
| 45-1013 | 5 inch straight | \$3.99 | 3 | \$11.97 |
| 45-1019 | 30 inch straight | \$13.99 | 2 | \$27.98 |
| 45-1020 | 0-72 RH switch | \$79.95 | 6 | \$479.70 |
| 45-1021 | 0-72 LH switch | \$79.95 | 2 | \$159.90 |
| 45-1025 | bumper | \$15.95 | 4 | \$63.80 |
| 45-1033 | lock-on | \$4.25 | 7 | \$29.75 |
| 45-1034 | 0-80 curve | \$6.99 | 1 | \$6.99 |
| 45-1102 PACKAGE TOTAL: \$1077.06 | | | | |

| Item # | Description | MSRP | QTY | Extension |
|---------|--------------------|---------|-----|-----------|
| 45-1001 | 10 inch straight | \$4.99 | 6 | \$29.94 |
| 45-1002 | 0-31 curve | \$4.99 | 2 | \$9.98 |
| 45-1004 | 0-31 RH switch | \$69.95 | 1 | \$69.95 |
| 45-1007 | 0-54 curve | \$5.29 | 2 | \$10.58 |
| 45-1009 | 0-54 RH switch | \$79.95 | 1 | \$79.95 |
| 45-1010 | 0-72 curve | \$5.99 | 5 | \$29.95 |
| 45-1011 | 1.75 inch straight | \$2.49 | 5 | \$12.45 |
| 45-1012 | 4.25 inch straight | \$3.99 | 1 | \$3.99 |
| 45-1014 | 5.5 inch straight | \$3.99 | 1 | \$3.99 |
| 45-1019 | 30 inch straight | \$13.99 | 2 | \$27.98 |
| 45-1020 | 0-72 RH switch | \$79.95 | 2 | \$159.90 |
| 45-1021 | 0-72 LH switch | \$79.95 | 1 | \$79.95 |
| 45-1025 | bumper | \$15.95 | 1 | \$15.95 |
| 45-1033 | lock-on | \$4.25 | 3 | \$12.75 |
| 45-1034 | 0-80 curve | \$6.99 | 3 | \$20.97 |
| 4E 1102 | | DACKACE | | ¢500.00 |

| 45-1103 | PACKAGE | IUIAL: | \$568.28 | |
|---------------------------------|--------------------|---------|----------|-----------|
| Item # | Description | MSRP | QTY | Extension |
| 45-1001 | 10 inch straight | \$4.99 | 5 | \$24.95 |
| 45-1007 | 0-54 curve | \$5.29 | 1 | \$5.29 |
| 45-1008 | 0-54 LH switch | \$79.95 | 2 | \$159.90 |
| 45-1009 | 0-54 RH switch | \$79.95 | 2 | \$159.90 |
| 45-1010 | 0-72 curve | \$5.99 | 10 | \$59.90 |
| 45-1011 | 1.75 inch straight | \$2.49 | 8 | \$19.92 |
| 45-1013 | 5 inch straight | \$3.99 | 3 | \$11.97 |
| 45-1014 | 5.5 inch straight | \$3.99 | 5 | \$19.95 |
| 45-1015 | 22.5 deg crossing | \$24.95 | 1 | \$24.95 |
| 45-1019 | 30 inch straight | \$13.99 | 2 | \$27.98 |
| 45-1033 | lock-on | \$4.25 | 5 | \$21.25 |
| 45-1034 | 0-80 curve | \$6.99 | 4 | \$27.96 |
| 45-1050 | #4 LH switch | \$89.95 | 2 | \$179.90 |
| 45-1051 | #4 RH switch | \$89.95 | 2 | \$179.90 |
| 45-1104 PACKAGE TOTAL: \$923.72 | | | | |



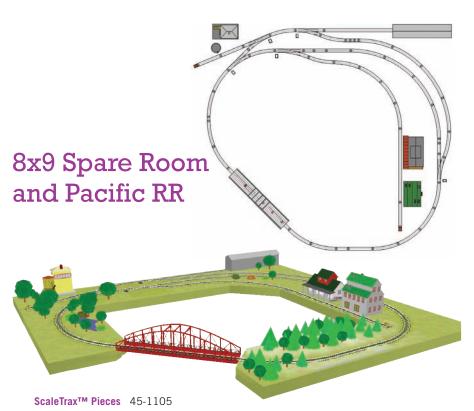
M.T.H. Trade Show Layout - 4 x 8 Freight Central



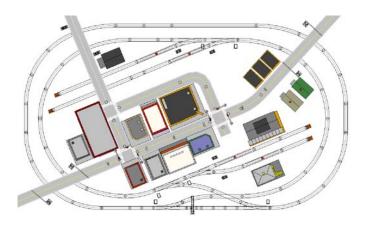
ScaleTrax[™] Pieces 45-1108

| Item # | Description | MSRP | QTY | Extension | |
|---------|--------------------------|---------|-----|-----------|--|
| 45-1001 | 10 inch straight | \$4.99 | 8 | \$39.92 | |
| 45-1002 | 0-31 curve | \$4.99 | 8 | \$39.92 | |
| 45-1003 | 0-31 LH switch | \$69.95 | 4 | \$279.80 | |
| 45-1004 | 0-31 RH switch | \$69.95 | 4 | \$279.80 | |
| 45-1005 | 90 deg crossing | \$19.95 | 3 | \$59.85 | |
| 45-1006 | 45 deg crossing | \$19.95 | 2 | \$39.90 | |
| 45-1007 | 0-54 curve | \$5.29 | 5 | \$26.45 | |
| 45-1008 | 0-54 LH switch | \$79.95 | 1 | \$79.95 | |
| 45-1011 | 1.75 inch straight | \$2.49 | 24 | \$59.76 | |
| 45-1012 | 4.25 inch straight | \$3.99 | 7 | \$27.93 | |
| 45-1013 | 5 inch straight | \$3.99 | 5 | \$19.95 | |
| 45-1014 | 5.5 inch straight | \$3.99 | 10 | \$39.90 | |
| 45-1025 | bumper | \$15.95 | 2 | \$31.90 | |
| 45-1033 | lock-on | \$4.25 | 4 | \$17.00 | |
| | PACKAGE TOTAL: \$1042.03 | | | | |

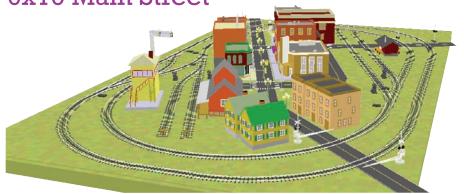




| Item # | Description | MSRP | QTY | Extension |
|---------|--------------------|---------|-------------|-----------|
| 45-1001 | 10 inch straight | \$4.99 | 9 | \$44.91 |
| 45-1007 | 0-54 curve | \$5.29 | 19 | \$100.51 |
| 45-1008 | 0-54 LH switch | \$79.95 | 1 | \$79.95 |
| 45-1009 | 0-54 RH switch | \$79.95 | 3 | \$239.85 |
| 45-1010 | 0-72 curve | \$5.99 | 7 | \$41.93 |
| 45-1011 | 1.75 inch straight | \$2.49 | 5 | \$12.45 |
| 45-1012 | 4.25 inch straight | \$3.99 | 3 | \$11.97 |
| 45-1013 | 5 inch straight | \$3.99 | 2 | \$7.98 |
| 45-1014 | 5.5 inch straight | \$3.99 | 2 | \$7.98 |
| 45-1019 | 30 inch straight | \$13.99 | 2 | \$27.98 |
| 45-1020 | 0-72 RH switch | \$79.95 | 1 | \$79.95 |
| 45-1025 | bumper | \$15.95 | 2 | \$31.90 |
| 45-1033 | lock-on | \$4.25 | 8 | \$34.00 |
| 45-1034 | 0-80 curve | \$6.99 | 1 | \$6.99 |
| | | PACI | KAGE TOTAL: | \$728.53 |



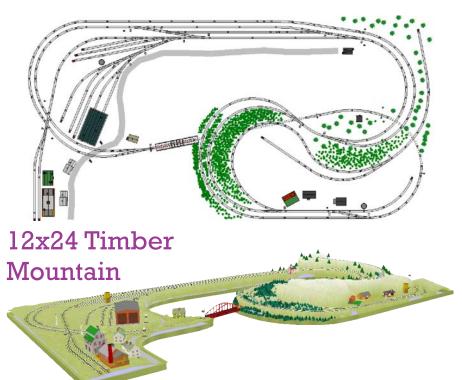




ScaleTrax[™] Pieces 45-1107

| Item # | Description | MSRP | QTY | Extension | |
|---------|-------------------------|---------|-----|-----------|--|
| 45-1001 | 10 inch straight | \$4.99 | 10 | \$49.90 | |
| 45-1007 | 0-54 curve | \$5.29 | 30 | \$158.70 | |
| 45-1008 | 0-54 LH switch | \$79.95 | 3 | \$239.85 | |
| 45-1009 | 0-54 RH switch | \$79.95 | 3 | \$239.85 | |
| 45-1010 | 0-72 curve | \$5.99 | 2 | \$11.98 | |
| 45-1011 | 1.75 inch straight | \$2.49 | 3 | \$7.47 | |
| 45-1012 | 4.25 inch straight | \$3.99 | 5 | \$19.95 | |
| 45-1013 | 5 inch straight | \$3.99 | 2 | \$7.98 | |
| 45-1015 | 22.5 deg crossing | \$24.95 | 1 | \$24.95 | |
| 45-1019 | 30 inch straight | \$13.99 | 3 | \$41.97 | |
| 45-1025 | bumper | \$15.95 | 4 | \$63.80 | |
| 45-1034 | 0-80 curve | \$6.99 | 4 | \$27.96 | |
| 45-1035 | 15" uncoupling section | \$24.95 | 4 | \$99.80 | |
| | PACKAGE TOTAL: \$994.16 | | | | |





ScaleTrax[™] Pieces 45-1106

| Item # | Description | MSRP | QTY | Extension | | |
|---------|--------------------|--------------------------|-----|-----------|--|--|
| 45-1001 | 10 inch straight | \$4.99 | 14 | \$69.86 | | |
| 45-1006 | 45 deg crossing | \$19.95 | 2 | \$39.90 | | |
| 45-1007 | 0-54 curve | \$5.29 | 10 | \$52.90 | | |
| 45-1010 | 0-72 curve | \$5.99 | 41 | \$245.59 | | |
| 45-1011 | 1.75 inch straight | \$2.49 | 4 | \$9.96 | | |
| 45-1012 | 4.25 inch straight | \$3.99 | 5 | \$19.95 | | |
| 45-1013 | 5 inch straight | \$3.99 | 1 | \$3.99 | | |
| 45-1014 | 5.5 inch straight | \$3.99 | 2 | \$7.98 | | |
| 45-1019 | 30 inch straight | \$13.99 | 30 | \$419.70 | | |
| 45-1020 | 0-72 RH switch | \$79.95 | 1 | \$79.95 | | |
| 45-1021 | 0-72 LH switch | \$79.95 | 5 | \$399.75 | | |
| 45-1025 | bumper | \$15.95 | 11 | \$175.45 | | |
| 45-1033 | lock-on | \$4.25 | 30 | \$127.50 | | |
| 45-1034 | 0-80 curve | \$6.99 | 22 | \$153.78 | | |
| 45-1049 | 30 inch flex | \$13.99 | 23 | \$321.77 | | |
| 45-1050 | #4 LH switch | \$89.95 | 3 | \$269.85 | | |
| 45-1051 | #4 RH switch | \$89.95 | 5 | \$449.75 | | |
| 45-1052 | #6 LH switch | \$89.95 | 4 | \$359.80 | | |
| 45-1053 | #6 RH switch | \$89.95 | 3 | \$269.85 | | |
| | | PACKAGE TOTAL: \$3477.28 | | | | |

POWER UP with the best transformers in model railroading!



100-Watt Accessory Power Supply \$89.95 40-1000A With 14 Volt Accessory Port

Whether you operate with conventional AC power or the M.T.H. Digital Command System (DCS), our UL-approved transformers offer the best way to power your layout. Choose the 100-watt Z-1000™ for a small- to medium-sized layout, or step up to the 400-watt, feature-laden Z-4000®, the most powerful UL-approved transformer in the hobby. All M.T.H. AC transformers offer:

- Incredibly smooth, wide range throttle for precise speed control
- Bell and whistle/horn buttons that work with all makes of AC-powered locomotives
- Fast-acting circuit breakers to protect your equipment
- Continuous useable wave power output, compatible with all AC-powered engines



Includes Z Transformer Controller. RealTrax lock-on (40-1003). RealTrax wire harness (40-1015)



Z-500™ Transformer 40-500 \$69.95

Z-DC300 30 Watt DC Transform

\$79.95

Designed for smaller layouts, the Z-500 offers the same control features as the Z-1000 but with less power.

TIU/Barrel Jack Adapter Cable 50-1017 \$10.95



40-300

RealTrax Wire Harness 40-1015

30 Watts



20 Watts

Z-DC1 DCTransformer 40-200 \$29.95

- U.L. Approved

 Smooth Operating Throttle Knob Built-In Circuit Breaker Protection

400 Watts!

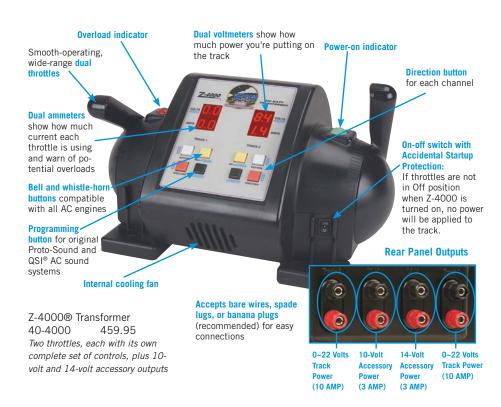
The Most Powerful

(I) Listed AC Transformer!

Learn More About It

The instruction manual for every M.T.H. transformer is available at www.mthtrains.com

Just look up the transformer in our Product Search feature.



WHY THE UL OR CLISTING?

To protect our customers and their trains, M.T.H. Electric Trains is committed to manufacturing safe, UL or CSA approved transformers and power supplies. By subjecting our transformers to the strenuous tests and requirements of Underwriters Laboratories and/or CSA, M.T.H. helps ensure that our products meet the same requirements as other consumer electronics sold today. When choosing a new transformer, model railroaders should only look for those that have received a UL or CSA listing.

SIMPLY THE BEST

DCS is **SIMPLE** to use.

It's **ACCESSABLE** from any iOS or Android smart phone, tablet or the included remote.

It can be **UPGRADED FOR FREE** over the Internet.

It can **DO MORE** for less money than other command control systems.

It's why you'll have MORE FUN operating your trains than ever before.



It can run over 5300* Proto-Sound® 2.0 & 3.0 engines and every TMCC®, EOB, or Legacy™ engine ever made — and run 99 of them at the same time, on the same track, independently, in command mode.

It can also **RUN ALL CONVENTIONAL AC LOCOMOTIVES** without the purchase of any additional hardware.

With the addition of an Accessory Interface Unit (AIU), it can **OPERATE ANY O SCALE ACCESSORY OR SWITCH**. It can **CREATE SCENES AND ROUTES** that are triggered with one push of a button.

* Number of different Proto-Sound 2.0 and 3.0 engines cataloged through the 2015 Volume 1 Catalog.

While all Lionel TMCC features can be accessed by the DCS handheld remote, at present some Legacy
features cannot be accessed by a DCS remote.

Learn More About It Shop Online at www.mthtrains.com

DCS COMPONENTS

DCS Remote Control System 50-1001 \$349.95 DCS Remote Control -

Handheld Unit

50-1002 \$169.95



DCS Accessory Interface

Unit (AIU)
50-1004 \$119.95

DCS WiFi Module 50-1034 \$179.95



Proto-Sound Battery \$11.95 50-1008 AA NiCad Proto-Sound Battery 50-1024 \$11.95 Proto-Sound 2.0 Battery Charger 50-1019 \$19.95 TIU/TMCC-Legacy 6' Connector Cable 50-1032 \$24.95 6' Mini-to-Mini Cable 50-1009 \$9.95 12-Port Terminal Block 50-1014 \$24.95 24-Port Terminal Block 50-1020 \$34.95 Z-DC24 24-Watt Power Supply 50-240 \$17.95 DCS O Gauge Companion Digital Book - 2nd Edition 60-1279 \$12.95

WAY TO RUN A RAILROAD

Command Control Explained

In conventional operation, an AC or DC transformer varies track voltage to adjust engine speed and direction. Command systems such as DCS, however, put a constant voltage on the track (around 18 volts for DCS) and vary speed by telling each engine how much of that voltage to use. Command control allows different engines to do different things — like run at different speeds, go in different directions, or make different sounds — even when they are on the same track.

In the DCS system, commands such as speed, direction, and sound control are sent as radio signals from the handheld throttle to a TIU (track interface unit). The TIU translates those radio signals into digital information that is sent through the rails and picked up by a receiver in the appropriate engine — telling it to go, for example, 37 miles per hour, blow the whistle,

smoke more heavily, or any other command. DCS locomotives can also send information back to the handheld to let the operator know what they're doing.



Learn More About It

Request a Complimentary DVD on DCS and M.T.H. technology. Log on to the DCS web site, www.protosound2.com

Try It at your local DCS Demo Center
Take your favorite Proto-Sound 2.0 or 3.0 engine to
any DCS Demo Center and experience the additional
features your engine has with DCS control. To find
your nearest demo center or request your complimentary DVD, visit www.mthtrains.com.

M.T.H. Railroading App

Technology continues to expand in all aspects of our lives; we believe it must continue to do so in our products and our control systems if we want our hobby to remain relevant in the world of smart phones, tablets and wearable technology.

Why put a remote control in the hands of an operator when he or she probably has an even more powerful device in their pocket? Why shouldn't a modeler control their layout with their phone, when they can already use that phone to run their television. ad-

just their thermostat, and activate their home alarm system? More importantly, how many new members can we attract into our hobby when we bundle that hobby with technology they use every day?

Enter our first model railroading app

In 2015, M.T.H. will release smart phone and tablet apps that will allow operators to run their trains from Apple iOS or Android phones or tablets. That means your Apple iPhone or Samsung Galaxy can do one more thing we only dreamed about fifteen years ago when we introduced DCS. Your favorite Android tablet or Apple iPad will bring the DCS Digital Command



System to life in a way you never thought possible when you first picked up a DCS remote control. Any of these smart devices can run our new app. That means anybody who visits your layout can run trains — the days of fighting over the remote control are over!

Whether you're running Android or iOS, our DCS app will allow you to control your entire layout in command or conventional modes without using a DCS handheld remote. You'll still need a TIU (Track Interface Unit) along with a new, separately sold DCS WiFi module.

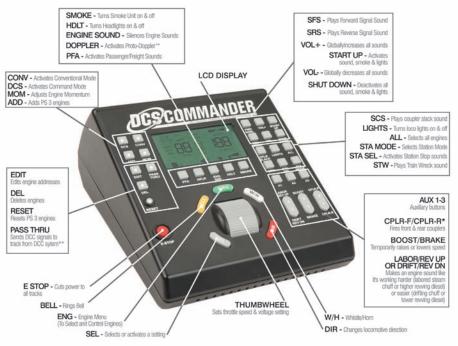
Simply plug the module into the TIU, search for its WiFi signal on your phone or tablet, and you'll be running your layout in command mode in no time. Everything the DCS handheld remote can do, the app can do — but your experience will be better and in full color!

Our new app isn't limited to just DCS control either. With it, you'll be able to access special pages on the M.T.H. website, see the latest catalogs and news articles, and shop for M.T.H. products. Look for the app this year — it's gonna be fun.





More Features Than Analog DC or DCC Command Control **Run Up To 10 Engines At Once!**



* Operating couplers are not available on HO locomptives at this time ** Customer supplied DCC system Required

The next generation of the DCS Digital Command System is here. The all-new DCS Commander brings a less expensive, but powerful command control device to your O Gauge and HO DC powered layouts. Connect a DCS Commander between the wires of your existing DCC can switch back and forth between DCS and Analog DC operating modes with just a push of a button.

Because M.T.H. Proto-Sound 2.0 or 3.0 locomotives can operate on both AC or DC current, the DCS Commander may be the affordable DCS command control option you've been looking for. Available alone or bundled with a 100 watt power supply. The DCS commander outputs 18 volts of DC power and includes

a built-in 5amp resettable breaker making it a perfect solution for small M.T.H. O Gauge layouts exclusively running Proto-Sound 2.0 or 3.0 locomotives.

For HO operators, the DCS Commander Consystem or DC power supply to the track and you troller Set is a perfect power solution for almost any size HO layout. HO operators whose layouts are already outfitted with a DC power supply can choose the individual DCS Commander and plug their existing power supply right into the Commander's power inputs.

> The DCS Commander provides the user with intuitive control of multiple Proto-Sound 2.0** or later equipped locomotives. For each locomotive, more than 32 functions are available at the touch of a single clearly-labeled button.



Perfect for Any Proto-Sound 2.0 or 3.0 Equipped Train Set!



DCS Commander System w/100 Watt Power Supply 50-1029 \$229.95

DCS Commander Controller 50-1028 \$149.95

Features Include:

- Speed adjustment in one-scale mile-per-hour steps
- Independent feature control: tune your engines' sound, lights, smoke and acceleration/deceleration settings
- Smoke On/Off
- Doppler Sounds: simulate the classic sound effect of a train approaching and then whizzing past
- Accent Sounds: activate any one of 7 individual sounds, including signal forward and reverse sounds, coupler slack, engine start-up and shutdown, engine labor and engine drift
- Activate Passenger Station and Freight Yard Sounds
- Individual locomotive control: select up to 10 Proto-Sound 2.0 or later engines

- Selectable control mode configurations: choose between analog DC, DCC and DCS operating modes
- Track Signal Test: test your layout's signal strength using the built-in signal strength analyzer.
- Proto-Whistle Quillable Sound Activation: access the built-in Proto-Whistle quillable sounds*** found inside your Proto-Sound 2.0 or later locomotives and using the thumbwheel to "play" your locomotive's whistle just like a real engineer!
- Access Whistle Signal Sounds: activate grade crossing whistle signals**** on your Proto-Sound 2.0 or later equipped locomotive
- ** Requires Proto-Sound 2.0 locomotive onboard 3-volt system or Proto-Sound 3.0 locomotive onboard system. Proto-Sound 2.0 3-volt systems are identified by their square battery charging jack on the locomotive chassis. See the locomotive's operator's manual for the exact location of the charging jack.
- *** Proto-Whistle quillable sounds not found in all Proto-Sound 2.0 or later equipped locomotives. Refer to your locomotives operator's manual to determine if your locomotive is equipped with Proto-Whistle quillable sounds.
- ****Proto-Whistle grade crossing signals not found in all Proto-Sound 2.0 or later equipped locomotives.

DCS Remote Commander Set

The DCS Remote Commander is an inexpensive wireless solution capable of accessing the most popular command control functions programmed into Proto-Sound 2.0 or 3.0 locomotives. The DCS Remote Commander handheld controller features clearly labeled, one-button control of 9 engine functions. There are no function keys or special codes to remember. Access the locomotive whistle or horn, bell, smoke, direction and speed with just a single button push. You can also access Passenger Station or Freight Yard Proto-Effects, engine startup and shutdown sounds and control the front or rear Proto-Couplers with this lightweight, easy-to-use remote.

Adding a DCS Remote Commander to your existing layout is simple: just plug your power supply into the DCS Remote Commander receiver and the output wires from the receiver to your track lockon. The DCS Remote Commander can accept any power input (AC or DC) up to 20 volts and 8 amps, making it a perfect choice for small and moderately sized layouts.

DCS Remote Commander Set 50-1033 \$49.95





Features Include:

- Speed adjustment in one-scale-mile-per hour steps
- Volume Control
- Smoke on/off
- Front & Rear Proto-Coupler Control
- Engine Start-up & Shutdown Sounds
- Activate Passenger Station and Freight Yard Sounds
- Whistle/Horn Control & Bell On/Off
- Locomotive Direction Control
- Wireless Communication With DCS Remote Commander Receiver
- LED Power On Lamp (Receiver Only)
- AC or DC Power Input
- Remote Requires (2) AA Batteries (not included)
- Unit Measures: 6 inches

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11-70112 Lionel Corporation No. 2814R O Gauge Refrigerator Car

Lionel Corp. 2800 Series Membership is \$90.00

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HOW CAN I LEARN MORE ABOUT DCS?

Follow the link to the protosound2.com Web site for DCS and Proto-Sound information — and a list of Authorized DCS Demo Centers where you can try DCS hands-on.

HOW CAN I UPDATE MY DCS SYSTEM OR CHANGE A SOUND SET?

Only M.T.H. allows you to update your control system or change an engine's sound set right over the Internet. Follow the link to the protosound2.com Web site for DCS and Proto-Sound 2.0 downloads.



WHAT'S NEW?

New arrivals and other news are posted frequently on our home page.

To get the news as it happens, sign up for our free weekly electronic newsletter, with information on new M.T.H. products, industry news, and sneak peeks at upcoming specials!

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Controller, and Libileto all all registree drademans owned by Libing LLLC. All Rights Reserved.
M.T.H.S DCS Digital Command System has received with the control of the Command System has received U.S. Patent No's, 64,87,681 B1 (sound system), 6,457,681 B1 (Proto-Speed Control), 6,604,641 (Proto-Coupler), 2,280,278 (Proto-Smoke), M.T.H.'S RealTrax has received U.S. Patent No. 6,019,289.

M.T.H.'s ScaleTrax switches have received U.S. Patent No. 6,491,263.

M.T.H.'s Z-4000 Transformer has received U.S. Patent No's. 6,281,606 & 6,624,537.

M.T.H.'s Proto-Scale 3-2 has received U.S. Patent No. 6,662,917 Some images used in this publication @2015

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