



2003

GAUGE

Grow Fun In Your Garden!

Grow Fun In Your Garden!

...bringing new energy and
new hobbyists to One-Gauge

...detailed
design and
cutting-edge
sound and
control
technology



M.T.H. Electric Trains

is proud to bring our tradition of quality,

value and variety to Large Scale railroading.

The RailKing One-Gauge line offers garden

railroaders high-quality models of American

standard gauge prototypes in precision 1:32 scale.

www.railking1gauge.com



RailKing Means . . .

Quality. RailKing uses the latest technology and high quality materials to ensure that every model we make is built to last. With their sturdy construction, powerful motors, and well-integrated form, fit, and function, RailKing trains smoothly pull long consists for years. And the detailed, beautifully painted bodies bring scale accuracy to One Gauge railroading.

Variety. RailKing has built our business on the concept that model railroaders deserve all the variety of the real railroads. Garden railroaders interested in scale models of American prototypes have been forced to make due with limited offerings of narrow gauge prototypes. That all changes with RailKing providing the models. One Gauge fans can expect to see a variety of steam, diesels, and electrics from all eras of American railroad history.

Value. RailKing delivers high quality models at a price the average modeler can afford. We don't believe you have to pay thousands of dollars for an engine before you can feel confident that it is accurately researched and well made. Our company has a proud history of providing top-drawer quality for a reasonable price, and we want to extend this philosophy to One Gauge.

Who Is M.T.H.?

M.T.H. is the twenty-three year-old company that revolutionized the O Gauge market. Eleven years ago, we introduced a wide range of high-quality O Gauge models at reasonable prices, with an emphasis on detailed design and cutting-edge sound and control technology. As a result, we doubled the size of the market in just a few short years. We've also led a movement of O Gauge modelers toward greater realism in operating their model railroads.

RailKing One-Gauge is poised to do the same thing for Large Scale. After several years of growth, sales of garden railroading equipment have slowed in the past couple of

years, due in large part to the lack of accurate scale models of standard gauge American prototypes. M.T.H. plans to repeat our success in the O Gauge market and bring new energy and new hobbyists to One Gauge.

While other manufacturers have been content to offer models of narrow gauge, European prototypes or of attractive but out-of-scale models, M.T.H. recognizes that sophisticated American consumers demand more from their hobby. Only we offer affordable yet high quality and highly detailed 1:32 scale models of standard gauge American prototypes.

The Models

RailKing One-Gauge equipment offers long-lasting, impact-resistant polycarbonate bodies, powerful fly-wheel-equipped DC can motors, and precise 1:32 scale proportions and detail. Features include metal handrails, constant voltage lighting, puffing smoke timed to the engine's chuffing, firebox glow, cab figures, sliding cab windows, and much, much more. In addition to the eye-popping detail, the line is built tough for years of outdoor operation.

RailKing One-Gauge's 1:32 scale models are designed to work with existing equipment. The engines and cars run on the existing standard 2-rail 45mm DC-powered track systems, including the Code 250 rails used by fine scale railroaders and LGB's 332 track. Each engine includes two sets of couplers, a knuckle coupler and a hook & loop coupler, so they can easily be adapted to mate with other garden-sized train systems.

RailKing One-Gauge brings exciting technology to the outdoor train market. The line offers digital, CD-quality sound, including steam chuffing or diesel roar, squeaking brakes, and more. The engines also feature puffing smoke in steam engines and speed control, which works like the cruise control system in a car to regulate speed over variable outdoor terrain.



**BUILT TOUGH
FOR YEARS OF
OUTDOOR
OPERATION**



RailKing gets it right

We know that many model railroaders expect their models to look and sound just like the prototype to keep the illusion of reality. That's why RailKing takes care to get things right. We work with scale drawings, not just photographs, to make sure our measurements and detail level are right. Then we use the latest technology that allows us to see and handle an actual 3-D prototype of our model. We check this out carefully from all angles and make any adjustments we think are necessary before we ever cut the first tool. That's how we know that our models will please even the most exacting hobbyist.

Our artists and researchers carefully review car art, measuring every line and letter in hundredths of a millimeter to be sure our accurate paint schemes add to the beauty of the model. Then the approved paint scheme is crisply applied to the detailed bodies.

Finally, whenever possible we record the prototype sounds of the engine we're modeling. We spend a lot of time at excursion railways and operating railyards recording engines to make sure our models have the distinctive sound of the original. If you close your eyes, you might think you heard the real thing roaring by.

But why would you want to close your eyes, when there are such beautifully realistic models to watch!



Celebrating American Freedom

In 1975-76, a proud exhibition of American historical and cultural artifacts toured the country. What made this Bicentennial celebration so special was where it was housed: in the 23-car-long American Freedom Train. The Freedom Train criss-crossed the U.S. with its patriotic cargo, letting Americans celebrate our heritage at every stop.

Among the Americana exhibited in the Freedom Train were everything from a piece of the original "Star Spangled Banner" flag from Fort McHenry and Thomas Payne's 1776 edition of "Common Sense" to Jesse Owens' Olympic medals and Bing Crosby's gold record of "White Christmas."

Southern Pacific's repainted No. 4449 GS-4 Steam Engine saw more time at the head of the Freedom Train than any other engine.



4-8-4 Gs-4 Steam Engine

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Southern Pacific, 4-8-4 Gs-4 Steam Engine
70-3005-1 Proto-Sound® 2.0 \$899.95

**Add Passenger Cars
to Your Engine**

See Page 15



American Freedom, 4-8-4 Gs-4 Steam Engine
70-3006-1 Proto-Sound® 2.0 \$899.95

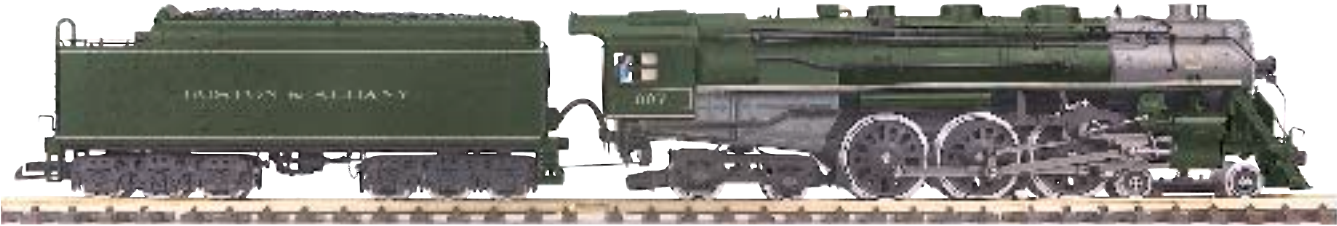
In the 1920s, Southern Pacific rethought the standard approach to motive power; rather than changing engines at division points, they wanted to develop an engine for use on extended runs. Their famous 4-8-4 GS-series of locomotives resulted. 4-8-4 Northerns originated with the Northern Pacific railroad in 1926 and quickly became popular on other roads. The eight drivers allowed the engines to generate more power than engines with fewer driving wheels, and the four trailing wheels supported a larger firebox, increasing boiler capacity. This combination allowed 4-8-4s to best even larger 2-10-2-types by sustaining higher speeds over longer distances.

Southern Pacific's famous GS-4 was introduced in the 1930s specifically for the glamorous new "Daylight" passenger train that ran between San Francisco and Los Angeles. The engine had to be able to pull a 12-car, 626-ton train at high speeds, over long distances and grades. A 4-8-4 was the perfect solution to the problem.

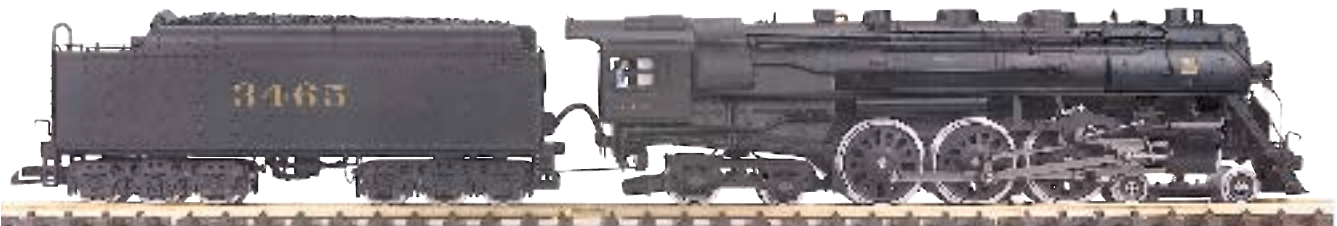
**Equipped with
Speed Control and
Synchronized Puffing Smoke**

Features

- Detailed Polycarbonate Boiler and Tender Body • Authentic Paint Scheme • Metal Wheels and Axles • Operating Knuckle Coupler
- (2) Uninstalled Hook & Loop Couplers • Constant Voltage Headlight • Precision Flywheel Equipped Motor • Engineer and Fireman Figures • Operating Firebox Glow • Metal Handrails and Decorative Whistle • Synchronized Puffing ProtoSmoke® System • Operating Tender Back-up Light • Indoor/Outdoor Use • Proto-Sound® 2.0 With The Digital Command System Featuring: Passenger Yard Proto-Effects™ ■ R2 Curves **Measures: 43 1/2" x 4" x 6"**



Boston & Albany, 4-6-4 J2b Steam Engine
70-3007-1 Proto-Sound® 2.0 \$799.95



Santa Fe, 4-6-4 3460 Class Steam Engine
70-3008-1 Proto-Sound® 2.0 \$799.95

Perhaps no other railroad has ever been as closely associated with a locomotive as the New York Central is with the J-class Hudson. By the mid-1920s, it became clear that NYC needed an engine that could reliably pull heavier passenger trains than anything they had available. They charged their engineering department with designing a locomotive with greater starting effort and more horsepower at speed that was still within the weight and size limitations dictated by the railroad's existing bridges and clearances. The ALCO-built 4-6-4 Hudson that resulted was a resounding success, pulling both passenger and freight trains over NYC lines. The beautiful engine proved so popular with railfans, photographers, and the public at large that NYC used it to advertise their passenger service. In an era when passenger trains were luxurious ways to travel, the NYC Hudson was the class of the field.

It is M.T.H.'s pleasure to reintroduce this beautifully detailed 1:32 scale model of the J-3a Hudson as a Santa Fe 3460 Class locomotive and the J-3a Hudson as a Boston and Albany J2b locomotive to garden railroaders everywhere. The engine will look as stunning pulling your freight or crack passenger trains as the celebrated prototype did. It is available with the long list of features shown.

**Equipped with
Speed Control and
Synchronized Puffing Smoke**

- Features**
- Detailed Polycarbonate Boiler and Tender Body • Authentic Paint Scheme • Metal Wheels and Axles • Operating Knuckle Coupler
 - (2) Uninstalled Hook & Loop Couplers • Constant Voltage Headlight • Precision Flywheel Equipped Motor • Engineer and Fireman Figures • Operating Firebox Glow • Metal Handrails and Decorative Whistle • Synchronized Puffing ProtoSmoke® System • Operating Tender Back-up Light • Indoor/Outdoor Use • Proto-Sound® 2.0 With The Digital Command System Featuring: Freight Yard Proto-Effects™
 - R2 Curves **Measures: 39" x 4 1/8" x 5 1/2"**



#71 Telegraph Post Set Gray/Red
10-1093 \$49.95

#262 Crossing Gate/Signal
30-1073 \$39.95

#63 Lamp Post
Set Silver
10-1108 \$39.95



Did You Know?

The microprocessor in the Dash-8 prototype recognizes if the engine is overheating while in a tunnel, as opposed to a malfunction on the open rails, and allows it to keep operating a full power for ten minutes, so the crew doesn't find itself stranded in a tunnel.

**Includes
Detailed Lighted Interiors
with Cab Figures**



Dash 8 Diesel Engine

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In the late 1980s, as General Electric and General Motors' Electro-Motive Division engaged in heated competition (that continues today) for market-share in the high horsepower category, GE announced the Dash-8 class of diesel locomotives. Although the first demonstrator version had only 3,200 hp, most of the Dash-8s had 4,000 hp when delivered. Because GE builds its diesel locomotives in five modules, it was able to customize its Dash-8s for each buyer to an unusual degree. Some railroads ordered their Dash-8s with the conventional narrow cabs, while others opted for the wider safety or comfort cabs. Some Dash-8s have 4-wheel trucks, and other have 6-wheel trucks. All this variety means that these diesels, which were designed for fast freight duty, are also well suited for Amtrak's passenger service. Despite their many differences, all Dash-8s share microprocessor control. The microprocessor, a small computer, regulates rpm, fuel injection volume, generator excitation, and many other operational features to make the engines run more efficiently than any diesel ever had before them.

M.T.H. is proud to make this rugged American prototype available to garden railroaders in a variety of roadnames that are sure to please. Available in the markings of Amtrak, Santa Fe, Chicago NorthWestern, Norfolk Southern, and Union Pacific, these highly detailed 1:32 scale models provide realistic operation and the long list of features shown.

Features

- Long-lasting, Impact Resistant Polycarbonate Body
- (2) Precision, Flywheel-Equipped DC Can Motors
- Directionally Constant Voltage Headlights
- Lighted Number Boards
- Opening Locomotive Doors and Sliding Cab Windows
- Detailed Cab Interior With Engineer and Fireman Figures
- Cab Interior Light
- Metal Handrails, Diesel Horn And Locomotive Bell
- Interchangeable Hook & Loop and Operating Knuckle Couplers
- Synchronized Digital Quality Diesel Roar Sound Effects
- Operating Squeaking Brakes Synchronized To Locomotive Speed
- 1:32 Scale Proportions
- Operating Smoke Unit
- Suitable For Indoor and Outdoor Use
- Operates With Any DC Power Supply

Measures: 29" x 3 3/4" x 5 7/8"



Amtrak, Dash-8 Diesel Engine (4-Wheel Truck)
70-2001-1 Proto-Sound® 2.0 \$399.95



Union Pacific, Dash-8 Diesel Engine (6-Wheel Truck)
70-2002-1 Proto-Sound® 2.0 \$399.95



Norfolk Southern, Dash-8 Diesel Engine (6-Wheel Truck)
70-2003-1 Proto-Sound® 2.0 \$399.95



Chicago NorthWestern, Dash-8 Diesel Engine (6-Wheel Truck)
70-2004-1 Proto-Sound® 2.0 \$399.95



Santa Fe, Dash-8 Diesel Engine (6-Wheel Truck)
70-2005-1 Proto-Sound® 2.0 \$399.95



Santa Fe, Dash-8 Diesel Engine (4-Wheel Truck)
70-2006-1 Proto-Sound® 2.0 \$399.95



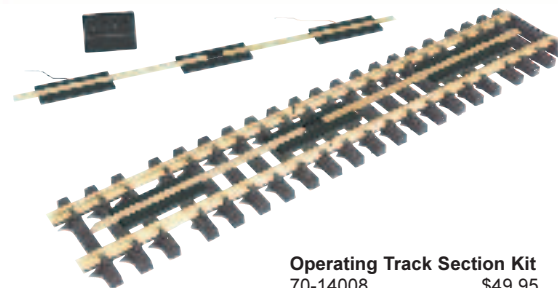
Add Some
Life To Your Yard Work
with RailKing One-Gauge
Operating Cars

...Take Your
Action To
New Heights with
Operating Cars!

At last 1:32 modelers can enjoy detailed scale models built to last and available at an affordable price. We've heard you clamoring for just this kind of equipment, and RailKing One-Gauge is proud to deliver. As always, M.T.H. works hard to satisfy the needs of our customers, and we've confident that you'll be happy to run these cars behind your scale engines.

These exciting hard working cars will add a level of realism previously missing in large scale model rail-roading. Two operating car types are also available. The operating helicopter car features an actual flying helicopter that lifts off the car and flies up into the air as high as 30 feet! The operating dump car and log car feature a moveable body and opening side gate that dumps the car's contents next to the track in a realistic two-step motion.

Both operating car types require the use of the RailKing One-Gauge Operating Track Section. This kit features two rails, sensors and a control box that set up in minutes. The kit will work with any manufacturer's track system and can also be connected to the DCS system for simple remote control operation.



Operating Track Section Kit
70-14008 \$49.95

Features

- Intricately Detailed Durable Polycarbonate Body
- Metal Wheels and Axles
- Decorative Brake Wheels
- Separate Metal Handrails
- Self Centering Knuckle Coupler
- Attractive Paint Schemes
- Sliding Car Doors
- Caboose Interiors with Overhead Lighting
- 1:32 Scale Dimensions
- Operates R1 Curves
- Includes Hook and Loop Couplers



40' Box Cars Measure: 17 3/8" x 4" x 5 9/16"



Chicago NorthWestern, 40' Box Car
70-74001 \$89.95



New York Central, 40' Box Car
70-74002 \$89.95



Norfolk Southern, 40' Box Car
70-74003 \$89.95



Santa Fe, 40' Box Car
70-74004 \$89.95



Union Pacific, 40' Box Car
70-74005 \$89.95



Nebraska Corn Products, 40' Box Car
70-74007 \$89.95



Old Judge Coffee, 40' Box Car
70-74008 \$89.95



Wells Fargo, 40' Box Car
70-74009 \$89.95

1:32 Rolling Stock

Unibody Tank Cars Measure: 18 1/4" x 4 1/8" x 6"



Union Pacific, Unibody Tank Car
70-73001 \$89.95



Santa Fe, Unibody Tank Car
70-73002 \$89.95



Chicago NorthWestern, Unibody Tank Car
70-73003 \$89.95



New York Central, Unibody Tank Car
70-73004 \$89.95

1:32 Rolling Stock

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1:32 Rolling Stock

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Flat Cars Measure: 22" x 4 1/8" x 2 1/2"

Caboose Cars Measure: 15" x 3 13/16" x 6"



Norfolk Southern, Unibody Tank Car
70-73005 \$89.95



Recycling Services, Unibody Tank Car
70-73006 \$89.95



Koppers, Unibody Tank Car
70-73007 \$89.95



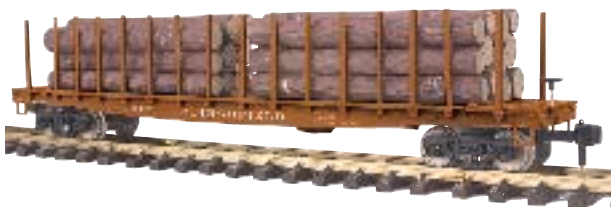
Buffalo Gasoline, Unibody Tank Car
70-73008 \$89.95



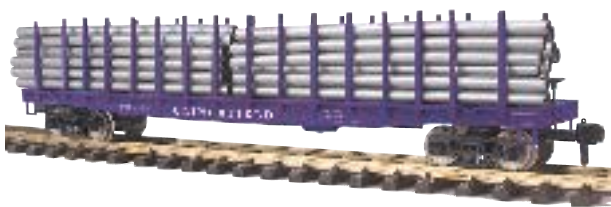
Clinchfield, Flat Car
70-76016 \$59.95



Clinchfield, Flat Car w/(7) LCL Containers
70-76013 \$79.95



Clinchfield, Flat Car w/Log Load
70-76009 \$79.95



Clinchfield, Flat Car w/Pipe Load
70-76012 \$79.95



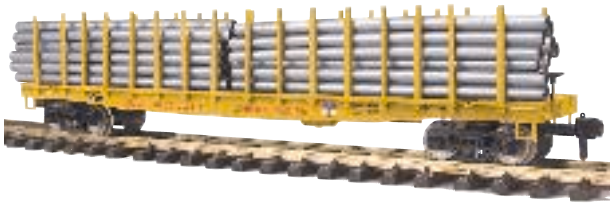
Union Pacific, Flat Car
70-76018 \$59.95



Union Pacific, Flat Car w/(7) LCL Containers
70-76015 \$79.95



Union Pacific, Flat Car w/Log Load
70-76007 \$79.95



Union Pacific, Flat Car w/Pipe Load
70-76011 \$79.95



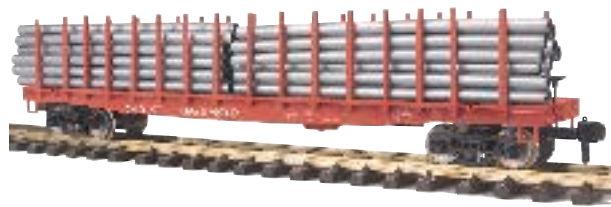
New York Central, Flat Car
70-76017 \$59.95



New York Central, Flat Car w/(7) LCL Containers
70-76014 \$79.95



New York Central, Flat Car w/Log Load
70-76008 \$79.95



New York Central, Flat Car w/Pipe Load
70-76010 \$79.95



Burlington Northern, Offset Steel Caboose
70-77001 \$129.95



Clinchfield, Offset Steel Caboose
70-77002 \$129.95



CSX, Offset Steel Caboose
70-77003 \$129.95



Denver Rio Grande, Offset Steel Caboose
70-77004 \$129.95



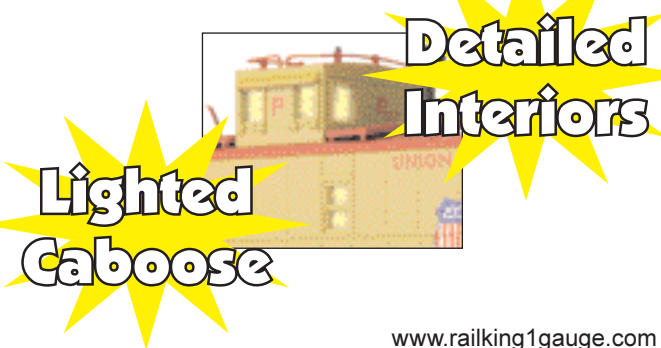
New York Central, Offset Steel Caboose
70-77005 \$129.95



Norfolk Southern, Offset Steel Caboose
70-77006 \$129.95



Union Pacific, Offset Steel Caboose
70-77007 \$129.95



1:32 Rolling Stock **Operating Cars**



Conrail, Operating Dump Car
70-79008 \$149.95



**Realistic
Load Dumping**



Union Pacific, Operating Dump Car
70-79009 \$149.95



Western Pacific, Operating Dump Car
70-79010 \$149.95



Colorado Southern, Operating Log Car
70-79001 \$149.95



Channel 4 News, Operating Helicopter Car
70-79013 \$179.95



Denver Rio Grande, Operating Log Car
70-79002 \$149.95



Hillcrest Lumber, Operating Log Car
70-79003 \$149.95



Little River Lumber, Operating Log Car
70-79004 \$149.95



**Actual Flying
Helicopter**



Red Cross, Operating Helicopter Car
70-79012 \$179.95



Michigan Lumber Co., Operating Log Car
70-79005 \$149.95



Pardee & Curtain, Operating Log Car
70-79006 \$149.95



Sumpter Valley, Operating Log Car
70-79007 \$149.95



1:32 Passenger Cars



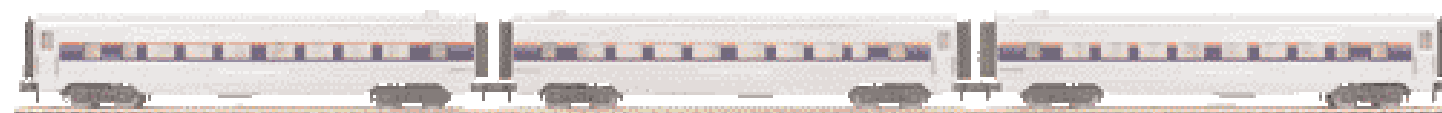
Southern Pacific, 3-Car Streamlined Passenger Car Set - Ribbed
70-65001 Proto-Sound® 2.0 \$399.95



American Freedom, 3-Car Streamlined Passenger Car Set - Ribbed
70-65002 Proto-Sound® 2.0 \$399.95



Union Pacific, 3-Car Streamlined Passenger Car Set - Ribbed
70-65003 Proto-Sound® 2.0 \$399.95



Amtrak, 3-Car Streamlined Passenger Car Set - Ribbed
70-65005 Proto-Sound® 2.0 \$399.95



New York Central, 3-Car Streamlined Passenger Car Set - Ribbed
70-65004 Proto-Sound® 2.0 \$399.95



Southern Pacific, Streamlined Passenger Coach Car - Ribbed
70-67001 Proto-Sound® 2.0 \$149.95



American Freedom, Streamlined Passenger Coach Car - Ribbed
70-67002 Proto-Sound® 2.0 \$149.95



Union Pacific, Streamlined Passenger Coach Car - Ribbed
70-67003 Proto-Sound® 2.0 \$149.95



Amtrak, Streamlined Passenger Coach Car - Ribbed
70-67005 Proto-Sound® 2.0 \$149.95



New York Central, Streamlined Passenger Coach Car - Ribbed
70-67004 Proto-Sound® 2.0 \$149.95

It is hard to match the excitement and beauty of a long, sleek passenger train spreading down the rails. MTH RailKing One-Gauge Passenger Cars will bring exactly the right, realistic look to your passenger service.

Features

- Durable Intricately Detailed Polycarbonate Bodies • Detailed, Sprung 4-Wheel Trucks • Choice Of Knuckle or Hook & Loop Couplers • Colorful, Attractive Weatherproof Paint • End-of-Car Diaphragms • Separate Metal Handrails • Metal Wheels and Axles • Opening Car Doors • Detailed Car Interiors • Operating Overhead Interior Lighting • 1:32 Scale Height and Width • Detailed Car Undercarriage • Lighted Observation Car Marker Lights • Lighted Observation Drumhead • 3-Car Sets Feature (3) Coaches ■ R1 Curves
- Measures: 28 1/2" x 3 3/4 x 5"**

**Add Passenger Cars
to Your Engine**

RailKing One-Gauge Features Revolutionary Onboard Electronics

M.T.H. Electric Trains RailKing One-Gauge is capable of operating on AC or DC track current in conventional or command environments.

Operators can run the locomotive indoors or out with virtually any AC or DC output transformer. The locomotive automatically senses what type of current is running through the track rails and adjusts the output to the locomotive motor appropriately. From a technical standpoint, current from an AC output transformer must be "rectified" prior to reaching the locomotive's DC motor. When using a DC output transformer, the current can be passed right through the electronics and on to the motor with no rectification required.

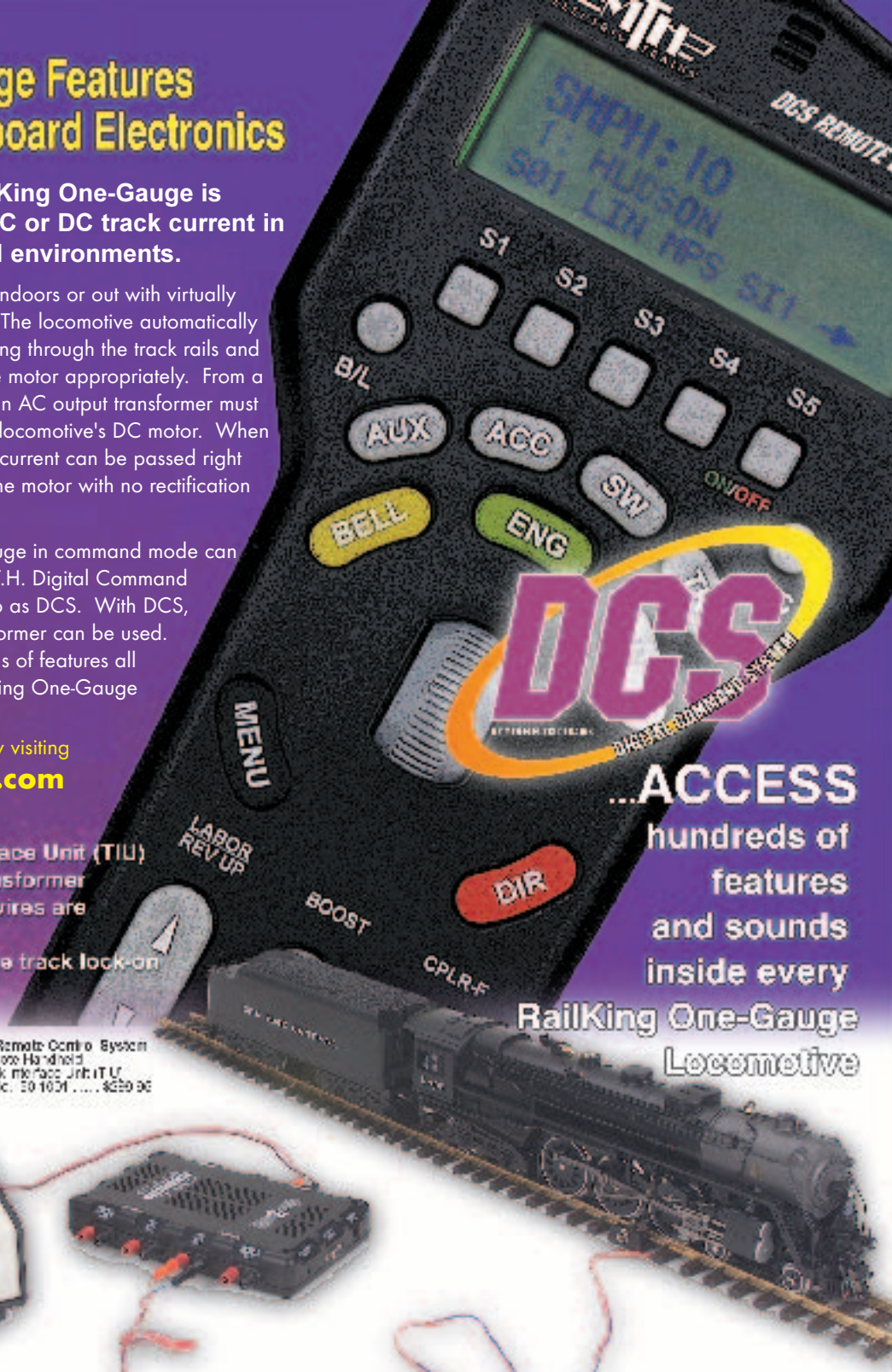
Operating the RailKing One-Gauge in command mode can only be accomplished with the M.T.H. Digital Command System, more commonly referred to as DCS. With DCS, almost any AC or DC output transformer can be used. Once set up, DCS unlocks hundreds of features all ready programmed into your RailKing One-Gauge locomotive.

You will find more details by visiting
railking1gauge.com

EASY SET UP

1. Place the DCS Track Interface Unit (TIU) between the track and transformer
2. Transformer track output wires are plugged into the TIU
3. TIU is then plugged into the track lock-on

DCS Remote Control System
Remote Handheld
Track Interface Unit (TIU)
Item No. 50 1031 \$29.95



...ACCESS
hundreds of
features
and sounds
inside every
RailKing One-Gauge
Locomotive

Two Ways To Operate

Conventional Mode consists of the collection of sound and operational features available right out of the box, as soon you put the locomotive on the track and fire up the transformer. In a conventional environment, the transformer controls the locomotive by varying the amount of current on the track. The more current on the track, the faster the engine will travel. Additional features, depending on whether the track is powered by an AC or DC transformer may also exist. With AC transformers, bells and whistles can be operated in conventional mode when transformers equipped with bell or whistle buttons are utilized. The bell and whistle buttons activate the appropriate sound in the locomotive by sending a DC pulse through the track's rails. The Proto-Sound 2.0 electronics sense this pulse as a "signal" to blow a whistle or ring a bell. However, because DC transformers output DC current on the track, the electronics within a Proto-Sound 2.0 engine cannot sense the additional DC pulse and are therefore unable to activate the bell or whistle/horn sounds effects. In short, if the operator desires to run a RailKing One-Gauge locomotive using a DC output transformer in Conventional mode, the only sound effects and operating features available are the following: steam chuffing or diesel engine sounds, squeaking brake sounds, air let-off sounds, direction control, speed control and synchronized puffing smoke.

Command Mode allows operators individual command of multiple engines, track switches, and accessories at one time with a single remote. In command mode, Proto-Sound 2.0 engines include a host of additional features that allow them to behave more like the real prototypes than any other model trains. The primary difference between command and conventional modes involves track power management. Unlike conventional mode, track power is usually set at a constant voltage (around 18 volts). The locomotive will ignore the track current and will await a "command" from the control system to move at a specific speed or activate a particular function. Each command signal is sent to a specific engine so only one engine will respond to a particular command. The command signals are sent via radio waves or digital signals through the track's rails.

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