

Wireless Digitrax Command Control



- ✓ Enjoy the freedom of tetherless operation.
- ✓ Use with Chief & Empire Builder. Radio coming soon for Genesis, too!
- ✓ Uses NiCad (6-8 hour life) or Alkaline (10-20 hour life) Batteries.

Digitrax Radio Equipped

- ✓ Range is approximately a 200 ft. diameter circle.
- ✓ Operates in the 900Mhz band.
- ✓ Run 10 or more radio equipped throttles along with your tethered & IR throttles.
- ✓ System ID allows multiple radio equipped systems to operate simultaneously at shows, etc.
- ✓ Factory original DT100's can be converted to DT100R's by Digitrax for \$50.00. DT200's can be converted for \$75.00.



DT100R Radio Equipped Throttle \$199.99 msrp
DT100R looks & works like your DT100IR except that it has a radio transmitter inside and a short plug-in cord. The cord is NOT the antenna! It is used for address selection and as a fail safe device in case you lose battery power during operation.

UR91 Radio/IR Receiver \$149.99 msrp
Simply plug the UR91 in to your existing LocoNet. No extra wiring is needed. It is designed to be mounted in the fascia of your layout. The antennas are concealed under the layout. Most layouts will only require one UR91. The UR91 is also equipped for concurrent infrared operation with DT100IR throttles.

Digitrax Infrared

DT100IR Throttle \$149.00 msrp
DT100IR is our LocoNet "Infra-ready" throttle. Just add a UR90 or UR91 to your LocoNet system and you are ready to run IR!

UR90 IR Receiver \$45.95 msrp
Just plug the UR90 in to your existing LocoNet. No extra wiring is needed. It is designed to be mounted in the fascia of your layout. Most layouts will require more than one UR90 because IR operation is "line of sight."

What is Digitrax LocoNet®?



The most significant difference among today's DCC systems is the system architecture. At first glance, this may not be obvious. But once you consider all the options, you'll realize that only a real network, like LocoNet, can ensure future expandability & maintain compatibility with existing equipment. LocoNet offers you a simple, reliable easily expandable wiring scheme that supports full access to all the exciting current & future features offered by Digitrax & LocoNet co-developers like WinLok, Railroad & Co., Logic Rail, KAM Industries, and others.

Digitrax LocoNet® gives Digitrax customers the best of both worlds, a system that is compatible with today's DCC standards and one that goes above and beyond these standards to deliver enhanced system performance, multi-format capabilities & the advanced features you want that are far beyond the scope of the basic DCC track level standards.

Want to learn more about DCC?



The Digitrax Big Book of DCC

by John Palmer
\$24.95 msrp

Learn how to use DCC on your layout to make model railroad more realistic and more fun! The Digitrax Big Book of DCC is 176 pages, soft cover. The book uses color throughout with over 100 photographs and more than 170 diagrams and tables. An extensive glossary and a complete index make it easy to find the information about DCC that you are looking for. The author uses examples to explain DCC in terms everyone can understand. If you want to learn about DCC, this is the book for you!

Your Local Digitrax Dealer

Digitrax, LocoNet, Genesis, Empire Builder, Chief, AutoReversing, FX and others are trademarks of Digitrax, Inc.



Command Control

Run Your Trains, Not Your Track!
Realistic multiple train control without blocking OR computers!

Why choose Digitrax Command Control?

Digitrax Command Control costs less & does more!

Get the features that really matter to you at a price you can afford. That really makes sense! Digitrax is the best value for your DCC dollar!

\$ \$ Dollars & Sense

The latest technology without all the complexity!

Keeps DCC Installation



Plug & play wiring makes it easy to hook up your layout & get started today. Easy to use throttles take full advantage of the fine low end speed control offered by 128 step operation.

Surprisingly Simple & Affordable!

Award winning Plug 'N Play decoders make decoder installations a snap, even for N-scale!

Digitrax is a full time professional company. Because we design & manufacture our products in our own factory, we offer outstanding quality control & provide top notch **Customer Service.**

Customer Service

LocoNet: The Digitrax Difference

Digitrax LocoNet goes above & beyond simple DCC compatibility to deliver superior system performance & advanced features with future system expandability.



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Digitrax® Starter Sets & LocoNet Components



The Chief is Still CHIEF!

The Chief Set is designed for the most demanding model railroaders. When prototypical operation is really important, Chief is the system for you!
Each Chief Set includes:

- DCS100 Command Station/Booster Combination
- DT100IR Digital LocoNet Throttle (Infra-ready)
- One Digitrax Premium Decoder & LT-1 Test Kit, Instructional Video and Complete Manuals.



- ✓ Digital encoder throttles for the finest in speed control.
- ✓ 128 speed steps.
- ✓ Dual throttles for prototypical MU'ing & helper service.

- ✓ Memory walkaround. No batteries needed for tethered operation.
- ✓ Supports up to 120 throttles & 120 active locos.
- ✓ Access 9,000+ loco & 999 stationary addresses.
- ✓ Four digit aliasing for all decoders.
- ✓ UniVersal, Advanced & Basic Consist Control.
- ✓ Function control for Functions 0 through 8.
- ✓ Built in system fast clock.
- ✓ No need to shut down to program! Built in read/write programmer.
- ✓ Paged, Direct, Register & Ops mode programming.
- ✓ Programmable route control.
- ✓ Upgradeable for radio &/or infrared operation. Add UR90's &/or UR91's for IR &/or radio operation.

Chief \$450 msrp
Radio Equipped Chief \$650 msrp

The Digitrax Command Control System lets you create the model railroad control system you've been dreaming of. Digitrax Starter Sets include our most popular components at a great price. All three Digitrax Sets include the DCC components you need to run two locos. Choose a Basic, Advanced or Premium Starter Set based on the features you want.

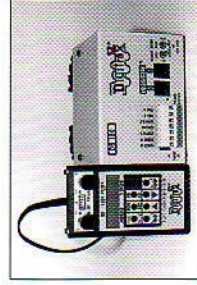
Once your Digitrax System is up and running it's simple & cost effective to increase your system's capabilities & to add new features by adding Digitrax LocoNet components or additional starter sets!



**Reasonably Priced
Advanced Train Control!**

The Empire Builder Set is perfect for most home layouts & clubs running up to 22 throttles & trains at once. It's easy to learn to use Empire Builder & it has all the features advanced operators are looking for.
Each Empire Builder Set includes:

- DB150 Command Station/Booster Combination
- DT100IR Digital LocoNet Throttle (Infra-ready)
- One Digitrax Premium Decoder, LT-1 Test Kit, Instructional Video and Complete Manuals.



- ✓ Digital encoder throttles for the finest speed control.
- ✓ 128 speed step operation.
- ✓ Easy MU'ing & realistic helper service with two throttles at your fingertips.
- ✓ Memory walkaround.
- ✓ No batteries for tethered operation.

- ✓ Supports 22 throttles & 22 active locos.
- ✓ Access 9,000+ loco addresses & 999 stationary addresses.
- ✓ UniVersal, Advanced & Basic Consisting.
- ✓ Function control for F0-F8.
- ✓ Easy decoder programming with built in broadcast, write only programmer.
- ✓ Paged, Direct, Register & Ops mode programming.
- ✓ Built in system fast clock.
- ✓ Upgradeable for radio &/or IR operation. Add UR90's &/or UR91's for IR &/or radio operation.
- ✓ Great expansion set for Chief users!

Empire Builder \$325 msrp
Radio Equipped Empire Builder \$525 msrp

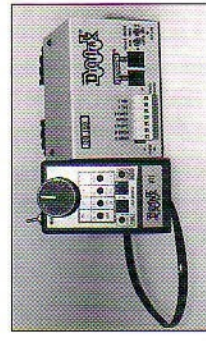


**Basic DCC With The Features Most
Model Railroaders Want,
Including 128 Speed Step Control!**

The Genesis Set gives you basic train operation for up to 22 throttles & trains. Each Genesis Set includes:

- DB150 Command Station/Booster Combination
- UT2 Utility Throttle
- One Digitrax Premium Decoder & LT-1 Test Kit, Instructional Video and Complete Manuals.

- ✓ UT2-Traditional style throttle with large knob for fine speed control & a toggle switch for direction control.
- ✓ Memory walkaround. No batteries needed for tethered operation.
- ✓ Supports up to 22 throttles & 22 active locos.
- ✓ Direct access to addresses 0-98. Address 99 is reserved for running 4 digit addresses & consists assigned to utility throttles by advanced throttles.
- ✓ Basic consist control for simple MU'ing.
- ✓ Direct access function control for F0-F5.



- ✓ Easy decoder programming with built in broadcast, write only programmer. Supports paged programming with access to CV's 01-99.

✓ More CV's than any other basic DCC set. Let's you program start voltage, mid point voltage, max voltage, FX effects, loco forward/reverse default & much more!

- ✓ Future upgrade coming for radio operation.
- ✓ Great expansion set for Chief and Empire Builder users!

Genesis \$250 msrp
Radio Coming Soon!



Digitrax LocoNet System Components

Digitrax Decoders

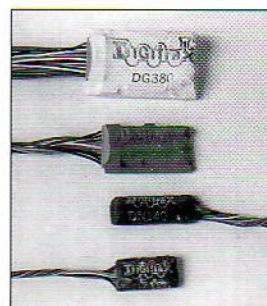
Decoder (Notes)	Current/ Peak	Size (inches)	Functions & Lighting	MSRP
DZ121 (SS, TX)	1.0/2.0	0.38 x 0.575 x 0.16	2 CS 125ma	44.99
DN142 (SS, TX) <i>DN142PS w/NMRA Plug \$ 55.99</i>	1.0/2.0	0.36 x 1.00 x 0.18	4 FX 125ma	52.99
DN144K (E)	1.0/2.0	Kato N C44-9W	4 FX 125ma	49.99
DN145K (E)	1.0/2.0	Kato N PA-1 & E-8	4 FX 125ma	44.99
DN146A (E)	1.0/2.0	Atlas N GP40-2	4 FX 125ma	44.99
DN147A (E)	1.0/2.0	Atlas N SD60 SD60M & SD50	4 FX 125ma	29.99
DN148K (E)	1.0/2.0	Kato N RS2/RSC2	4 FX 125ma	34.99
DN149K2 (E, SS, TX)	1.0/2.0	Kato N SD40-2 125 ma	4 FX	51.99
DH121 (* , P, PS, AT)	1.5/2.0	0.66 x 1.2 x 0.25	2 STD 200ma	19.99
DH121P/PS (* , P, PS, AT)	1.5/2.0	0.66 x 1.2 x 0.25	2 STD 200ma	24.99
DH142 (* , P, PS, AT, S, SS, TX)	1.5/2.0	0.67 x 1.05 x 0.25	4 FX 200ma	52.99
DH142P/PS (* , P, PS, AT, S, SS, TX)	1.5/2.0	0.67 x 1.05 x 0.25	4 FX 200ma	57.99
DH140U (U, SS, * , P, PS, AT)	1.5/2.0	0.67 x 1.05 x 0.25	4 STD 200ma	69.99
DH150A (E)	1.5/2.0	Various HO Kato Light Board	4 FX 200ma	44.99
DH150K (E)	1.5/2.0	Various HO Kato Light Board	5 200ma 4 FX, 1 STD	49.99
DH83FX	2.0/4.0	0.66 x 1.2 x 0.25	5 200ma High Current Apps	54.99
DG380L	3.5/5.0	0.94 x 1.45 x 0.3	8 (4 FX) 2@1A & 6@200ma	59.99
DG580L	5.0/8.0	0.94 x 2.18 x 0.3	8 (4 FX)	64.99

Notes to Digitrax Decoder Selection Table:

(E)-Easy Install Decoders are designed to fit specific locomotives. In most cases, no soldering or frame modification is needed.
 (*)-Digitrax Easy Connect HO Interface: Digitrax 9 pin plug & wire harness on each decoder lets you share your decoders among locos equipped with Digitrax harnesses. Extra Digitrax harnesses (DHWP \$15 msrp) & dummy plugs (DHDP \$20 msrp) 5 packs.
 (P, PS)-Digitrax Plug N' Play with NMRA Medium Plug for locomotives equipped with NMRA Medium Sockets.
 P=long harness PS=short harness
 (AT)-Athearn No Solder Harness DH121AT \$27.98 msrp, DH142AT \$60.95 msrp
 (S)-Split Field Motor Drive for motors like Marklin 3 pole AC.
 (L)-Large Scale or Lionel/AC & Hi Rail Applications.
 (TX)-Transponding included in decoder.
 (SS)-Scaleable Speed Stabilization. Back EMF.
 (U)-Universal Format Decoder. Operates on DCC, Marklin Trinary AC Digital, AC analog with reverse on high voltage pulse.
 See our web site or catalog for decoder recommendations.

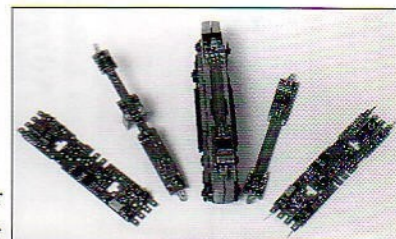
Digitrax decoders are robust & reliable.

Mobile decoders are available in a variety of current ratings & form factors for use in all scales from Z to G !



- ✓ Interoperable with DCC systems.
- ✓ Programmable from any DCC command station or programmer.
- ✓ User programmable address, acceleration, deceleration, start voltage, mid-point voltage, maximum voltage, customizable speed tables and many more exciting features!
- ✓ Constant brightness headlights reverse automatically or can be controlled independently.

- ✓ Digitrax' real FX lighting effects (Mars lights, strobe lights, ditch lights, Gyra light, rotating beacons and others) make your operation more realistic. FX lighting is included in most Digitrax decoders.
- ✓ Digitrax configurable strobe (CS) lights are available on the DZ121 to provide "blinking" lights where FX is not available.
- ✓ Digitrax economy decoders, like the DH121series, include standard function leads that can turn lights and other functions on and off. These are really great for B units without lights!
- ✓ Digitrax decoders offer both 2 & 4 digit addressing.
- ✓ Decoder assisted consist-ing, selectable decoder direction, 128 step load-able speed table mode capabilities and much more.
- ✓ Run your Digitrax decoder equipped loco on a regular



smooth DC system, and it will automatically detect that no DCC signal is present and run as a regular DC locomotive.

- ✓ All Digitrax decoders are repairable.

Stationary Decoders & Detection

DS54 Quad Stationary Decoder \$79.99msrp
Stationary Decoder with 4 Outputs & 8 Inputs, too!

BD-1 Single Block Detector \$9.99 msrp
Current detector for use with DS54's LocoNet inputs.

DM-1 DC Motor Adapter \$9.99 msrp
For use with DS54 & bipolar turnout motors like Kato & LGB.

BDL16 LocoNet Block Detector \$125.00 msrp
Wow! Less than \$8.00 per block! Cost effective 16 unit current detectors. Add RX4 or RX8 to BDL16 for transponder detection capability.



Digitrax LocoNet System Components

Digitrax Transponding

Know the block location of any specific loco or other rolling stock equipped with a Digitrax transponding device.

Transponder Detectors

- RX4**-Conversion for 4 units of a BDL16 **\$49.95 msrp**
- RX8**-Conversion for 8 units of a BDL16 **\$79.95 msrp**

Transponders for Locos & Cars

- TD1 Transponder** **\$16.95 msrp**
- TL1 Transponder** with light capability **\$18.95 msrp**

Some Digitrax decoders like DZ121, DN142, DH142 & DN149K2 have integrated transponding so a transponder won't need to be added.

Digitrax Throttles

All Digitrax dual control throttles use encoders to take full advantage of the excellent speed control available in 128 speed step mode. With encoder throttles you can select a loco that is running and the throttle knob position won't change the speed of that loco like with a potentiometer throttle. No more rushing to adjust the throttle to match the loco's speed! Dual throttles on a single handheld give you prototypical consist operations and helper service. All LocoNet throttles can be used together on your layout.



DT100IR Advanced Throttle with Infrared **\$149.00 msrp**

The DT100IR can be used with any LocoNet Command Station. This throttle is shipped with Chief & Empire Builder Sets. The DT100IR displays 2 digit, 4 digit or aliased addresses & turnout feedback. The DT100IR is user configurable, has fast clock capability & access to Functions 0-8. DT100IR comes with built in infrared capability, just add one or more UR90 IR receivers & you are ready to run tetherless with IR!

UT-1 Utility Throttle

\$79.95 msrp

A traditional throttle. Simple & cost effective, UT-1 has one large knob for speed control & a direction switch for forward and reverse operation. For use with any LocoNet system. Runs 2 digit addresses. Runs 4 digit addresses & consists assigned to it by advanced throttles. Direct access to Functions 0-5. UT-1 is a great throttle for switching because it gives simultaneous access to loco speed, direction and turnout control. Because of its traditional layout, it's really easy to use for new users and layout visitors.



Digitrax Command Stations

DCS100 Command Station/Booster **\$385.00 msrp**

Included with the Chief Set. Add a DCS100 to a Genesis or Empire Builder to expand your system's features & capacity.

DB150 Command Station/Booster **\$179.99 msrp**

shipped with Genesis and Empire Builder Sets (See Boosters).

Digitrax Boosters & Power Management

DB150 Smart Booster 5 amps **\$179.99 msrp**

DB150 can be used as an expansion booster to provide more current to run more trains, as an automatic reversing booster or to section the railroad to reduce interruptions to operations when a short occurs in one section of the layout.



DB200+ Smart Booster-8 amps **\$199.99 msrp**

Digitrax Boosters can be set to run any scale from N to G and they also work as powerful boosters (power stations) for other DCC manufacturer's command stations, too!

PM4 Quad Power Manager

\$79.99 msrp

4 power managers in one, lets you split the output of one or more boosters into 4 sections. Each section can be set up for seamless automatic reversing or as a short circuit manager section to prevent the entire layout from shutting down when there is a short in one power district. Really improves operating session performance!

Ready To Run DCC Power Supply

PS515 **\$49.99 msrp**



No more power supplies to build, just plug n' play! 15VAC, 5 Amps, 75VA Works with any DCC system. Great to power turnouts, too!

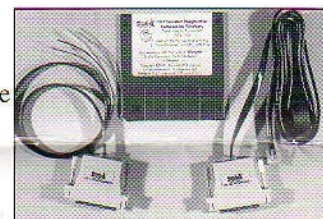
Digitrax Computer Interface Products

MS-100 Computer Interface

\$45.00 msrp

Visit our web site, www.digitrax.com, for links to the latest software available.

LocoNet Personal Edition is also available through our web site if you are interested in writing your own applications.



PR-1 Decoder Programmer

\$45.00 msrp

The simplest way to program your Digitrax decoders, yet!

LocoNet Universal Interconnect Panels

Digitrax UP's simplify hookup, maintenance & troubleshooting of your LocoNet system. 6 conductor telephone cable with RJ12 6 pin male connectors on each end let you daisy chain your network around the layout without worrying about hooking up a lot of wires. Regular 6 conductor telephone jacks can also be used as throttle jacks with LocoNet.



UP3

\$14.95 msrp

Front Panel: Two RJ12 Jacks, Track Status Indicator

Rear Panel: Two RJ12 Jacks, Two Local Track Power Connections, One External Power Jack.