



PRODIGY DCC DISPATCHER CONTROL HANDHELD (item AD491)

Thank you for purchasing the **PRODIGY DCC Dispatcher Control Handheld**. With the **Dispatcher Control Handheld** you can operate your turnouts, building lights, or any other accessories from anywhere around your layout to anywhere on your layout. One of the most exiting features of the **Dispatcher Control Handheld** and MRC **Dispatcher Trackside Decoders** (item AD360) is that you can throw multiple turnouts with one push of a button for a specific route and at the same time, you can still operate individual turnouts within your pre-programmed route.

MRC **Dispatcher Trackside Decoders** have a programming capability that allows you to wire your turnout switch motor for normal direction operation and be programmed for "Reverse Polarity" for routing purposes so the turnout can be thrown opposite its normal operating direction when used within a route.

Additional items needed to operate with your MRC **Dispatcher Control Handheld**.

1. MRC **Dispatcher Trackside Decoder(s)** (item AD360)
2. Your favorite brand of turnouts with switch motors of your choice.
3. A power supply compatible with your type of switch motors, with enough current capacity to operate numerous switch motors. Please check with the manufacturer of your switch motors to ensure compatibility and power requirements of power supply. (We recommend our MRC AH800 **Twin Power Box** for A.C. operated switch motors).

Note – Your **Dispatcher Control Handheld** can only be used with the MRC **PRODIGY DCC** system (item AD150) and MRC **Dispatcher Trackside Decoders** (item AD360).

DISPATCHER CONTROL FEATURES

Address selector dial: used to select address of Trackside Decoder for programming or operation.

Address bank selector switch: Toggles between addresses 1-16 or 17-32.

Route setting button: allows you to enter/exit route setting mode.

Route setting yellow LED: will glow when in the route setting mode. *The Route Setting LED will blink if a short circuit is detected on the layout.*

Dual Function Buttons (2):

1. **Route L** and **Add T/O in Route:** throws all turnouts in the route to the desired route setting. When in the route setting mode, adds turnout addresses into the route.
2. **Route R** and **Delete T/O in Route:** throws all turnouts in the route to the desired route setting. When in the **Route setting** mode, deletes turnout addresses from the route.

Clear Route button: when in the **Route setting** mode, clears all turnout addresses from the route.

Left button: throws individual turnout to the left, independent from route, according to turnout address selected.

Right button: throws individual turnout to the right, independent from route, according to turnout address selected.

The turnout **Left** and **Right** buttons are absolute. These will throw the individual turnouts to the direction picked according to how the turnouts are wired to the **Dispatcher Trackside Decoders**. For example, a right hand turnout's straight route will be considered left, and a left hand turnout's straight route will be considered right.

Reverse Polarity button: when in the programming mode (on your **PRODIGY DCC** system,) assigns the direction the turnout will throw for route settings, independent of normal turnout direction.

Program Address button: when in the programming mode (on your **PRODIGY DCC** system,) assigns the specific address for your turnout decoder.

OPERATING INSTRUCTIONS

The Dispatcher Handheld Control will operate in any plug on your **PRODIGY DCC** console. To program your MRC **Dispatcher Trackside Decoders**, the **Dispatcher Control Handheld** must be plugged into plug #1 on your **PRODIGY DCC** console. Your **PRODIGY DCC Handheld Walkaround** (item AD490) can also be used to program your **Dispatcher Trackside Decoders**. Please refer to your **PRODIGY DCC** instruction booklet, page 5 on Loco Address programming.

MRC **Dispatcher Trackside Decoders** (item AD360) use mobile decoder addresses. It is *not* recommended to assign your trackside decoders the same address as one of your locomotives. Although this can be done, it is best to familiarize yourself with the complete system first as to avoid confusion with DCC command signals to your decoders. For more information, please refer to your MRC **Dispatcher Trackside Decoder** instructions.

PROGRAMMING

To program an MRC **Dispatcher Trackside Decoder**, use the following steps:

1. Plug **Dispatcher Control Handheld** into **PRODIGY DCC** console plug #1.
2. Move switch on console to **Program** mode.
3. Rotate address selector to desired address.
4. Make sure address bank selector switch corresponds to address selected.
5. Press **Program Address** button on **Dispatcher Control Handheld**. Wait 5 seconds for completion.
6. Move switch on **PRODIGY DCC** console to **Run** mode

THROWING A SINGLE TURNOUT

1. Select turnout decoder address
2. Press either the “Left” button or “Right” button

To have switch motor move in opposite directions from **Left** or **Right** buttons for **Route settings**, while in the **Program Mode**, press the **Program Address** button followed by the **Reverse Polarity** button. For example, if you have a right hand turnout wired correctly so when you press the **Right** button, the turnout throws right, but wish to have the turnout remain straight (left) for a route setting. Then use the **Reverse Polarity** button during address programming. The turnout will still operate normally with the **Left** and **Right** buttons, even if it was programmed with **Reverse Polarity** during programming.

Tip: To program your MRC **Dispatcher Trackside Decoders** (item AD360), remove the **To Track** wires from your **PRODIGY DCC** console and separately plug in each AD360 to program. When finished with each decoder, write its address number on a piece of masking tape and place this on the decoder before installation. This is so you do not re-address all of your locos or other **Dispatcher Trackside Decoders**.

ROUTE SETTING

Setting your routes does not require that you go into the program mode on your **PRODIGY DCC** console. Route setting can be done while you are operating your layout.

Press **Route setting** button. **Route setting** LED will glow indicating you are now in the route setting mode. Turn the address selector dial to the desired turnout address and press the **Add T/O in Route** button. Keep selecting the desired turnout addresses and adding them into the route. Once your route is selected, press the **Route setting** button to exit the route setting mode. Press either the **Route L** or **Route R** to throw all the turnouts in the route. When done you can clear the entire route, add or delete turnouts in the route, or create a new route.

Some experimentation by the user is needed to select specific routes. Depending on the complexity of your layout, not all route directions may be achieved just by using the **Route L** or **Route R** buttons. A few turnouts may have to be operated independently from your route settings to achieve the desired routing of your train.

If you need all 32 locomotive addresses or if you want to keep your **Dispatcher Trackside Decoder** addresses separate from your locomotive decoder addresses, a **Dispatcher Control Console** can be purchased separately.

SERVICE

Your **Dispatcher Control Handheld** has been thoroughly tested. If for some reason it is properly connected and still not functioning correctly, it may have to be returned for service. Please telephone our Service Department at (732) 225-6360 before returning your handheld.

If it should ever become necessary to return the handheld, pack it in its original box, prior to placing it in a larger carton with some additional packing material. Be sure to send the package via Parcel Post Insured or United Parcel Service and include a clearly printed letter with your name, address, daytime telephone number and a detailed description of the problem you are experiencing. Please include a check or money order for \$7.00 for shipping and handling.

Send the package to:

Model Rectifier Corporation
Attn: Customer Service Department
80 Newfield Avenue
Edison, N.J. 08837