

NCE DCC TWIN



Welcome to the world of DCC!

This manual will familiarize you with the set up and operation of two locomotives on your railroad using the NCE DCC TWIN.

In addition to the NCE DCC TWIN, you will need:

- Track
- At least 1 (preferably 2) locomotives with DCC installed
- Terminal Track or Terminal Joiners

Use the instructions that came with your track to create an oval or circle of track. Make sure you add either a Terminal Track section or use Terminal Joiners at the joints of two pieces of track (Figures 1 and 2).



Figure 1

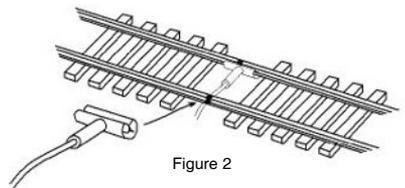


Figure 2

- ❑ Strip 1/4 inch of insulation from the ends of the two wires coming from the track joiners or terminal track as in Figure 3. Insert these wires into the two pin plug that came with your DCC Twin (Figure 4).

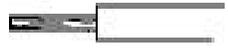


Figure 3

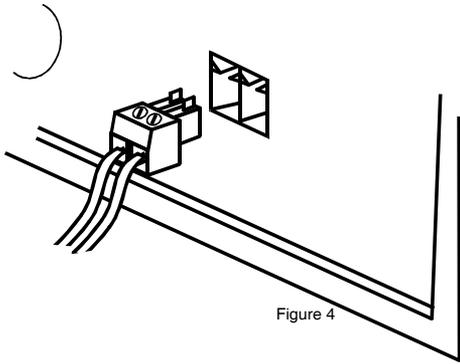


Figure 4

Tighten the screws so that they are snug. Not too tight, just snug. Insert this plug in the two pin socket on the back of the DCC Twin (Figure 4).

- ❑ Plug the power supply into your house outlet. Then insert the power plug into the socket on the back of the DCC Twin. Make sure the red Power light on the front of the DCC TWIN comes on.

- ❑ Place one of your locomotives on the track and make sure all the wheels are properly seated.

- ❑ Press and HOLD DOWN both of the small buttons that are labeled PROG A on the left (Throttle A) side of the TWIN (Figure 5). Hold the buttons down until the Power light goes OFF.

- ❑ Release the small buttons.

This sets the locomotive to Throttle A, you do not need to do this again, the locomotive will remember its setting.

You're now ready to operate this locomotive!! Turn the knob of Throttle A slowly to the right. The locomotive will start up and run forward. Turn the knob to the left past center and watch the locomotive run in reverse!

Note - Only one locomotive at a time should be programmed in this way. Otherwise, all locomotives on the track will be set to run on Throttle A.

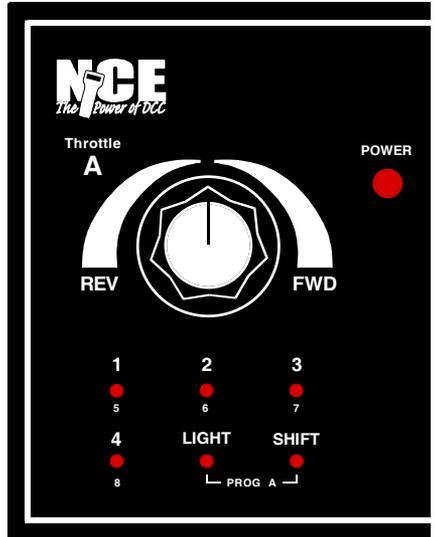


Figure 5

- ❑ Remove the first locomotive from the track. Place another locomotive on the track and make sure all the wheels are properly seated.

- ❑ Press and HOLD DOWN both of the small buttons that are labeled PROG B on the right (Throttle B) side of the TWIN. Hold the buttons down until the Power light flashes a few times.

- ❑ Release the small buttons.

Once the locomotive is set to Throttle B, you do not need to do this again, the locomotive will remember its setting.

You're now ready to operate this locomotive!! Turn the knob of Throttle B slowly to the right. The locomotive will start up and run forward. Turn the knob to the left past center and watch the locomotive run in reverse!

Normal Operation

☐ Place the first locomotive back on the track and now you can operate locomotive 1 with the Throttle A knob and locomotive 2 with the Throttle B knob. It doesn't matter that they are on the same track, DCC allows you to do this. Just make sure you don't have any "Adams Family" meet-ups along the way.

☐ Now what about those numbers above the push buttons? They are "Function" buttons. With a locomotive on the track, you can operate the lights by pressing the LIGHT button. If you have a sound equipped locomotive, you can ring the bell with button 1 or blow the horn or whistle with button 2. Button 2 is a momentary push button and will turn off when you release the button. The other buttons will turn on with the first button push and off with the next push.

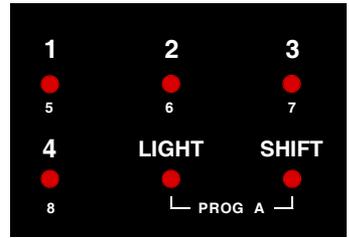


Figure 6

☐ You can also HOLD DOWN the SHIFT key and press 1 but it will be Function 5. See the smaller 5 under the push button? Pretty cool, huh? You can operate Functions 5, 6, 7, and 8 this way for a total of 9 Functions.

We're sure that you'll want to expand your railroad with more track, track switches or "turnouts" and bridges and buildings.

A note about Kato Unitrack -

When using Kato Unitrack turnouts, they should be set to *Non-Power Routing*. See your Kato turnout instructions for directions on this setting.

Technical Section

All locomotives programmed on Throttle A will be set to address 3.
All locomotives programmed on Throttle B will be set to address 4.

The DCC Twin is designed for two train operation on small layouts. It can be expanded to several trains with the addition of NCE add-on throttles. Up to two additional add-on throttles can be used with the Twin.

ProCab™ - 5240010

Using a ProCab with the DCC Twin converts the Twin to a full featured DCC system including walk-around control, recalls and up to 29 functions. The ProCab provides the most user-friendly access to all NCE system features. Uncomplicated menus on the easy to read LCD display guide you through the most advanced operations.

Cab 06 - 5240029

This throttle features a 4 digit LED display, support for 29 functions, up to 6 recalls and can now control individual accessories as well as macros.

NCE *DCC Twin* Troubleshooting

The **NCE *DCC Twin*** is designed and built to NMRA Standards and Recommended Practices. Even at that, when we run trains, sometimes we forget something that can affect the operation of a product. Following is a list of troubleshooting items.

My locomotive doesn't run!

Is the ***DCC Twin*** plugged in? Is the red LED ON?

Does the locomotive have a DCC decoder installed?

Go through the set up procedure for Throttle A one more time. Make sure you wait until the red LED goes out before releasing the buttons.

When I turn the knob to the right, it goes Backwards! Shouldn't it go Forward?

Make certain that when you go through the set up procedure you wait until the red LED goes out before releasing the buttons.

When I turn the locomotive around, it still goes Forward. Shouldn't it go Backwards?

With DCC, forward is always forward and backward is always backward. No matter which way it is turned on the track.