



Sign Kit Installation of Bird-Shock® Flex Track

U.S. Patent No. 7,481,021

Target Pest Bird: **All Species**
Recommended Pressure: **All, especially heavy**

Installation Instructions

Please read these instructions thoroughly before attempting to install your Bird Shock Flex Track system.

Bird Barrier's Bird-Shock Flex Track is a relatively simple product to install. You will benefit from some electrical knowledge, and the ability to adapt things to certain circumstances. While the system has been well thought out, there may be situations where you need to improvise. Our Customer Service department can help you if you have problems, or need additional assistance. They can be reached at (800) 503- 5444, 7am to 5pm Pacific Time.

Required Tools

- Cut & Strip Tool for Lead Wire
- Connector Crimp Tool
- Track Cutter Tool or Strong Scissors
- Bird Barrier Bond and caulking gun
- Utility knife or pocket knife
- Tape measure
- Pen or pencil

Step 1 - Choose the ideal position for the Charger Unit

Whenever possible, position the Charger Unit as near the starting point of the track system as possible.

Solar Chargers need to face due south to capture as much sunlight as possible. Plug-in Chargers (110v.) need to be installed out of the weather. Use a NEMA 3R rated box to protect the 110v unit when exterior placement is required. When installing the 110v unit, make sure it is plugged into an outlet that has been installed by a licensed electrician

It is not necessary to install the charger unit close to the track; it's just more convenient that way. You can run lead-out wire from the unit to the track up to a total lead wire and track distance of 550 feet.



Step 2 – Clean the intended track location.

The track requires a clean surface for the bond to adhere to. Use Dissolve-it to break down droppings for easy cleanup...

If possible it is best to pressure wash the surface area. If applying to a painted surface, test a small area to be certain that the installation will not pull up the paint.



Step 3 - Layout the Flex Track and cut to fit

The Track is delivered in 50 foot rolls. Flex Track will easily adapt to many surface imperfections and obstacles found on signs and is easily cut and bent to handle tight turns. Take the time to insure the track fits the letter and the connectors are installed before getting out the bond.

Number of Tracks Required.

The Sign design and the size of the pest bird will dictate the number of tracks you will need to install on a sign.

Protecting signs from larger birds, a Pigeon for instance, the Flex Track can be installed an inch or more back from the front edge of the sign. Additional Strips can be placed as much as 3 inches apart.

Protecting Signs from smaller birds such as Sparrows that are more agile will require Flex Track to installed right out at the edge of the sign and be spaced only every inch or so apart and placed very near the edge.



Protecting for Pigeons on this surface mount letter is as easy as a single strip of flex track placed 1" back from the front of the sign



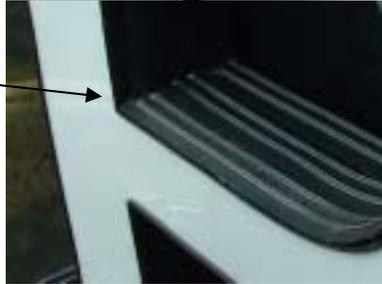
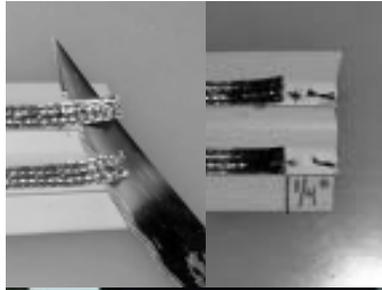
The "R" above was protected for small birds with Flex Track. On top of the letter the Flex Track is placed at the very outside edge of the letter with a second section placed about an inch or so over from the first. Inside the letter where the birds were better protected from the elements 3 strips of Flex Track were placed side by side. 2 sections 1" apart may have been as effective, but low cost of the product vs. the high cost of access, should more track became necessary, created a desire to install the extra row of track in this protected spot.

Step 4 – Attach Connectors to Track

Once you have cut the track to fit the letter use a knife to cut the stainless braid free from the track base.

Cut back under the braid about 1/2". On a sign, the end of the track may adjoin the edge of the letter.

In order to avoid shorting it is suggested that this side of the track is trimmed back about 1/4" of the exposing the base to act as an insulator. A small gap will be created as in the case in the inside of the B in the adjoining picture.



Note:

When installing on Signs use the MALE/Spade connector on the Flex Track itself as the crimp for the Sign Kit lead wire is a female

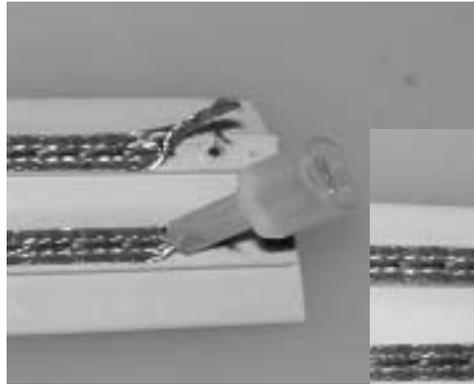
Twist the braid into a wire like form. Stand the braid up straight from the track to allow easy installation of the connector. Slide on the appropriate Male Connector for this splice.

Crimp across the barrel as shown, inline with connector.

When performing the crimp always use a Ratchet Crimp Tool to insure a complete and tight crimp.

(Bird Barrier product warranty does not cover crimps)

Install and crimp the second connector.



The lead-out wire will be run from track to track and connected to the male terminals you are installing on the Flex Track in this step using the sign kits special FEMALE/T-Tap terminals. This greatly speeds up the process of wiring the Flex Track after it has been installed on the sign.

Step 5 – Bond the Flex Track to the Sign

Apply Bird Barrier Bond to the back of the Flex Track paying special attention to the track ends where the connectors are installed.

Bond all track down that you can reach at one time.



Step 6 – Run the lead out wire to the Flex Track

The lead out wire can be placed along side the ends of the track, then the T-Tap terminals squeezed on in the appropriate places on the wire.

Be certain when connecting the lead out wires that the Flex Track and lead alternate connections correctly. Always insure that you complete the circuit from charger to each piece of track.



Your completed wire connections should look something like this for each protected area of the sign.

Run the lead out wire to the next area of the sign, attach

the T-Taps to the Flex Track to complete the circuit



Signs require many connections between lead out wire and Flex Track. The T-Tap Terminal and Male connectors can be used with the lead out wire to create a quick T splice in the lead out wire allowing for quick connections.



Step 7 – Attaching Track to the Charger Unit

The Track and the Charger unit are connected using our copper dual lead wire. This special highly insulated wire is available separately in several in colors to match your needs.

To connect the wire, simply strip the ends of the dual leads and connect the Ring connector to one end and the appropriate male or female connector to attach the wire to the Flex Track.



Tip:

Try and run the lead out wire along side or behind the letters wherever possible for a clean installed look.



Connections Supplied with each Sign Kit

Enough to complete 50 Track connections
T-Tap Terminals 100 each
Male Terminals 100 each

For additional Information contact:
Bird Barrier America Inc.
(800) 503-5444
BBATech@BirdBarrier.com