

NC400 TV Birdhouse

Instructions



NATURE'S OWN REALITY SHOW...™

www.nestchannel.com

We build the world's best TV birdhouses.



Model: NC400

Safety Information



WARNING!

Please observe the following safety precautions:

- Please read the Quick Start Guide and this Installation Manual before using this product.
- Not intended for use by children.
- The Nest Channel™ receiver and power supply are for interior use only. Keep dry at all times.
- No serviceable parts are inside, opening case will void warranty.
- Only connect the Nest Channel™ outdoor power supply to the birdhouse. Do not use any other power supply.
- Make sure the birdhouse is mounted securely. When mounting the birdhouse to a post or pole, you may need to brace the pole.

FCC Notice

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Introduction

Thank you for purchasing the Nest Channel™ model NC400 TV Birdhouse. We appreciate the confidence you have placed in our company by selecting one of our products. We strive to build the best TV Birdhouses in the world.

The NC400 TV Birdhouse is a high quality, cedar birdhouse that includes a wireless color TV camera built into the ceiling. The camera sends live pictures of the nest up to 150 feet to your television.

A unique dual lighting system provides invisible night vision illumination, for pictures in total darkness. A switch on the front of the house turns on bright white lights for a superb, full color picture of the nest.

This birdhouse is suitable for bluebirds and other cavity nesting birds. The house may also be used for robins and platform nesting birds with the front door removed.

Features

- Macro lens, night vision, color TV camera
- Switch selectable white or infrared LED lighting
- Made with solid cedar wood using galvanized nails
- Solid brass, raccoon-proof latch
- Includes receiver, power adapters and video cable
- Predrilled mounting holes and screws provided
- Wireless transmitter sends live pictures up to 150'
- Front door is removable for cleaning or platform nesting use

Please take a few minutes to read this instruction manual as it contains important information about this product.



Setting up your new birdhouse

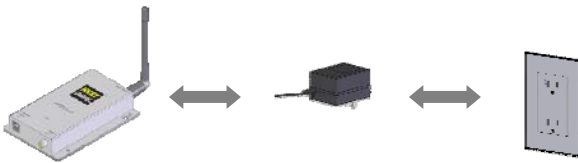
Please read the Quick Start Guide for detailed instructions on how to connect your new birdhouse. You should test the operation of the birdhouse indoors, before installing the birdhouse in your yard.

Follow these steps to get running:

- 1 Connect the video cable between the Nest Channel™ receiver and your TV. Select the video input on your television.



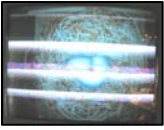
- 2 Plug in the Nest Channel™ receiver power supply.



- 3 Plug-in the birdhouse power supply.



- 4 Check the TV reception and then move birdhouse to its outdoor location.



Getting the best reception

2.4GHz interference

The Nest Channel™ TV birdhouse uses a 2.4GHz frequency. Using other 2.4GHz wireless products, such as cordless telephones or wireless Internet, may cause interference in the birdhouse picture. This interference usually looks like bright white bands that flicker across the screen.

If you notice poor quality reception or interference in the picture from your birdhouse, check if there are any other products in your home that could use the 2.4GHz frequency. You will need to turn these products off when monitoring the birdhouse to prevent them from interfering with the birdhouse signal.

Weak signal

We recommend that you first test your birdhouse with it sitting right beside your TV set and receiver. This allows you to check the operation before moving the birdhouse into your yard.

Once you have confirmed the birdhouse is working indoors, use a long extension cord and slowly move the birdhouse away from the TV receiver while another person watches the TV picture. Sometimes, small adjustments in the location of the birdhouse or TV receiver's location can improve the picture.

Large metal objects, such as metal siding, metal fencing and other metallic building materials may reduce the range of the birdhouse signal.



Locating your birdhouse

Choosing the proper location for your birdhouse is important in order to attract the desired birds. Here are some guidelines to help you choose the best location:

- Choose a quiet shaded place.
- Mount the birdhouse at least 5 feet above the ground.
- Locate the birdhouse as close as possible to the Nest Channel™ receiver. While the birdhouse is capable of sending pictures up to 150 feet, we recommend locating the birdhouse within 75 feet of the Nest Channel™ receiver for the best picture.
- Make sure no animals can reach, or jump onto the birdhouse.
- You will need an outdoor power outlet, or outdoor extension cord to connect to the birdhouse power supply.
- Orient the entrance hole on the front of the birdhouse in a direction away from the prevailing sun, rain and wind.
- Try to locate the birdhouse in an area with evidence of previous nesting activity.



Installing the birdhouse

You can simply attach the birdhouse to a wall, tree or post using the included wood screws. You will find two holes predrilled in the back wall of the birdhouse. One hole is located below the bottom, the other is inside near the top.

Using the two wood screws provided, attach the birdhouse to a suitable surface using a screwdriver. The provided screws are very sharp and will cut into most wood surfaces without needing to drill a hole.

To mount to other non-wooden surfaces, such as stucco, concrete or brick, you will need to purchase suitable anchors from a hardware store. Select an anchor that is designed for the material you will be attaching to.

Nest Channel™ also offers an optional pole mount. This is designed to mount the birdhouse on a free-standing metal pole. Please visit our Web site for more information (www.nestchannel.com).

Note that some birds prefer to nest in birdhouses on poles located in open spaces. You will have more success in attracting these birds if you use the Nest Channel™ pole mount.

If you purchased the Nest Channel™ pole mount with your birdhouse, please read the instructions that are packaged with the pole mount.

Choosing cavity or platform nesting

There are two categories of common backyard birds that will use this birdhouse. They are classed as either “cavity” or “platform” nesters.



This birdhouse is designed for both cavity and platform nesters. To attract the species of bird you want, refer to the lists on the following pages to determine if your bird of interest is a cavity or platform type.

CAVITY NESTING

Cavity nesting birds usually build their nest in hollow tree trunks, walls, or concealed crevices. Platform nesters usually build in shrubs or trees, or on top of ledges or other exposed surfaces.

This birdhouse is designed for most cavity nesters when the front panel is installed. This provides a 5 inch by 5 inch nest area, which is optimal for bluebirds and most other birds of a similar size.

For platform nesters, simply remove the front panel and store it for later use. With the front panel removed, birds will be able to construct their nest in the bottom of the box while being sheltered from the elements. Three rails are installed in the birdhouse to help keep nesting material in place and also provide a perch for the birds.



PLATFORM NESTING

For platform nesting, we do not recommend placing the birdhouse in direct sunlight. This can cause an overexposed picture.



Cavity Nesting Birds

This is a listing of common cavity nesting birds in North America. These birds typically build their nest in hollow tree trunks, walls, or concealed crevices

Eastern bluebird	Red-naped sapsucker
Western bluebird	Downy woodpecker
Mountain bluebird	Hairy woodpecker
Crested myna	Three-toed woodpecker
Starling	Black-backed woodpecker
Prothonotary warbler	Ladder-backed woodpecker
Lucy's warbler	Red-cockaded woodpecker
Eurasian tree sparrow	Nuttall's woodpecker
House sparrow	Strickland's woodpecker
House finch	Pileated woodpecker
Common goldeneye	Sulphur-bellied flycatcher
Barrow's goldeneye	Great crested flycatcher
Hooded merganser	Brown-crested flycatcher
Common merganser	Ash-throated flycatcher
Merlin	Dusky-capped flycatcher
Elegant trogon	Western flycatcher
Vaux's swift	Tree swallow
Golden-fronted woodpecker	Violet-green swallow
Red-bellied woodpecker	Purple martin
Gila woodpecker	Tufted titmouse
Northern flicker	Plain titmouse
Red-headed woodpecker	Bridled titmouse
Acorn woodpecker	Black-capped chickadee
White-headed woodpecker	Carolina chickadee
Lewis' woodpecker	Mexican chickadee
Williamson's sapsucker	Mountain chickadee
Red-breasted sapsucker	Chestnut-backed chickadee
Yellow-bellied sapsucker	Boreal chickadee
House wren	White-breasted nuthatch
Winter wren	Red-breasted nuthatch
Carolina wren	Pygmy nuthatch
Bewick's wren	Brown-headed nuthatch



Platform Nesting Birds

This is a listing of platform nesting birds in North America. These birds typically nest in shrubs, trees or other natural platforms.

American robin	Eastern wood pewee
Gray catbird	Western wood pewee
Northern mockingbird	Blue jay
Brown thrasher	Cedar Waxwing
California thrasher	Common grackle
Yellow warbler	Great-tailed grackle
Common yellowthroat	Orchard oriole
Rose-breasted grosbeak	Northern oriole
Northern cardinal	Hooded oriole
Indigo bunting	Scarlet tanager
Brown towhee	Western tanager
Song sparrow	Summer tanager
Chipping sparrow	Pine siskin
White-crowned sparrow	Lesser goldfinch
Red-winged blackbird	Purple finch
Yellow-billed cuckoo	Eastern phoebe
Black-billed cuckoo	Black phoebe
Eastern kingbird	Say's phoebe
Western kingbird	Cliff swallow
Black-billed magpie	Barn swallow
Wood thrush	
Red-eyed vireo	
Brewer's blackbird	



Controlling the lighting

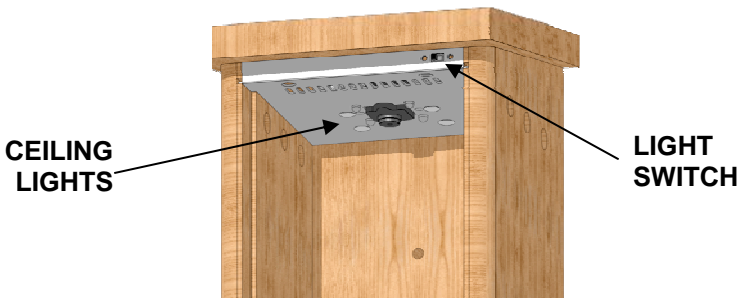
The NC400 model birdhouse features a dual lighting system. Invisible “night-vision” infrared lights work in total darkness to provide a black and white picture of the nest without disturbing its occupants.

A small slide switch on the front of the birdhouse turns on bright white lights to provide a superb full-color picture of the nest. The white lights will give you the best quality, full color picture.

We recommend leaving the white lights off until the nest has been built and the birds are settled. Turn the white lights on during the day to see how the birds react. Many birds readily accept the white lights, so they can be left on all the time.

If your birdhouse is installed in an open platform style (with the front removed) you will receive a good quality color picture during the day using natural illumination.

Note that the special lights used in the birdhouse are LED type and never require replacing. You can run these lights constantly for years and they consume very little electricity.





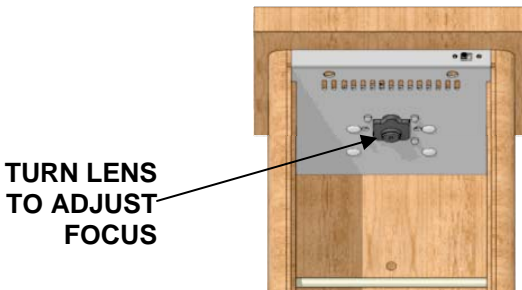
Adjusting the camera's focus

This birdhouse uses a special macro-lens TV camera. When manufactured, the camera was focused 2 inches above the bottom of the birdhouse. This height is typically where the fledglings will be found after the nest is built.

In some cases the nest may be constructed very shallow or very tall, resulting in an image that is out of focus. The camera is capable of focusing as close as 1 inch from the lens. To adjust the focus, just follow these simple steps:

- 1) Quietly remove the front cover (if installed),
- 2) Reach in and rotate the camera's lens:
 - Clockwise (when looking up at the camera) will focus lower in the box,
 - Counter-clockwise will focus higher in the box.
- 3) Replace the front cover, if needed.

Note that touching the nest will not harm the fledglings or mother bird. It's a common misconception that touching a nest will cause the mother bird to abandon it – this is simply not true.





Applying a finish to the birdhouse

The birdhouse's natural wood construction will weather with time and may show some discoloration, cracking, warping or other characteristics. This should not impair the operation of the house, and in fact, may attract more birds as the house obtains a weathered appearance. Note that this natural aging of the unfinished wood is not considered a defect in construction or materials.

If desired, you may apply paint or stain finish to the birdhouse. Although we recommend leaving the wood unfinished, some birds will readily accept a painted house. If you wish to paint the house, please consider these guidelines:

- Paint in the fall, after any nest has been vacated. This allows the paint to cure before springtime.
- Use exterior grade latex paint -- do not use an oil or lead-based paint.
- If you are using a light colored paint, you should first seal the wood to prevent the grain from bleeding through the finish. Kilz brand primer works well for a sealer coat under latex paint.
- You may also use a linseed oil or a hand-rubbed stain finish.

Parts and Accessories

Please check our Web site, www.nestchannel.com, for the latest offerings and prices on parts and accessories for your new TV birdhouse.

Pole Mount



This 6-foot steel pole is for mounting the NC400 birdhouse in open spaces. It includes 36" long steel stake that is driven into the ground. The pole attaches to the stake using two threaded knobs. The pole color is semi-gloss black and includes two bolts and wing nuts to attach NC400 birdhouse to the top of pole.

Power wires are concealed inside the pole and exit at ground level. The pole includes a mounting plate to attach the NC400 outdoor power transformer.

Warranty, repairs & returns

Suncast Ventures, LLC. warrants this product for a period of 90 days to the original purchaser from the date of purchase. This warranty does not apply to defects due directly or indirectly to misuse, abuse, negligence, accidents, repairs or alterations. Cracking, warping, or discoloration of wooden parts is to be expected and is not considered a defect.

To take advantage of this warranty, contact us by mail, phone or email and give us all the details. We will then issue you a "Return Number," which must be clearly posted on the outside as well as the inside of the return carton. Returned items must be shipped freight prepaid. Proof of purchase must accompany the merchandise. We make every effort to ensure that our products meet high quality standards and we hope you never need to use this warranty.

THIS IS OUR SOLE WRITTEN WARRANTY AND ANY AND ALL WARRANTIES THAT MAY BE IMPLIED BY LAW, INCLUDING ANY MERCHANTABILITY OR FITNESS, FOR ANY PARTICULAR PURPOSE, ARE HEREBY LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. We do not warrant or represent that the merchandise complies with the provisions of any law or acts unless the manufacturer so warrants. In no event shall Suncast Ventures', LLC. liability under this warranty exceed the purchase price paid for the product and any legal actions brought against Suncast Ventures, LLC. shall be tried in the State of California, County of El Dorado.

We shall in no event be liable for death, injuries to persons or property or for incidental, contingent, special, or consequential damages arising from the use of our products.



by: Suncast Ventures, LLC.


We build the world's best TV birdhouses.™

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