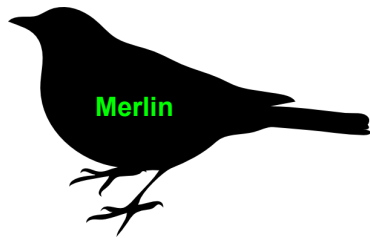
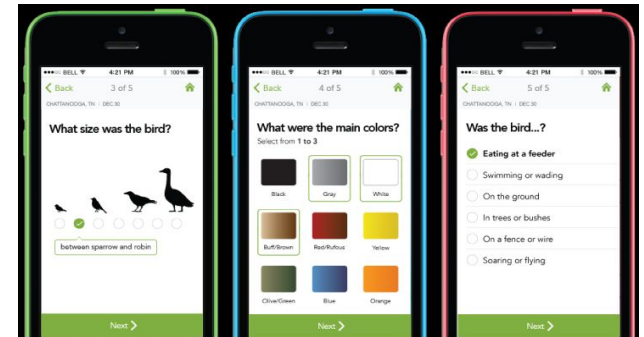


Installing & Using Cornell's Merlin Bird ID App



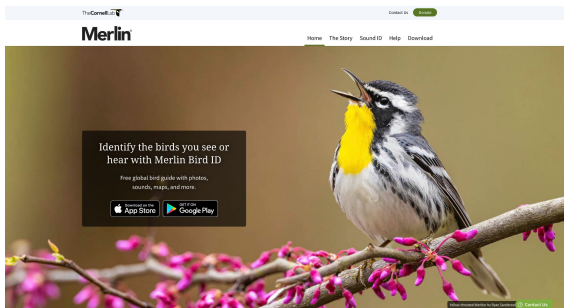
“**Merlin Bird ID App** is an online app by the Cornell Lab of Ornithology. The app makes it easy to help people find the answer to “what’s that bird?” by answering just a few simple questions.” **Merlin** can also identify birds heard in the field and from photographs.



Installing Merlin Bird ID App on your SMARTPHONE

Step 1: Set Up Merlin on Your Smartphone

Download the Merlin Bird ID app to your smartphone.



[Merlin Link](#)



Step 2: Open Merlin and install a Bird Pack for your Region

Open the Merlin ID app. Each Bird Pack provides a field guide to the birds of the region with photos, sounds, and helpful ID text for bird species in the region. Merlin will tag the best pack for your current location as **Recommended**.



Choose Bird Pack

Install at least one Bird Pack to start using Merlin. Packs includes photos and sounds for the birds in the selected region.

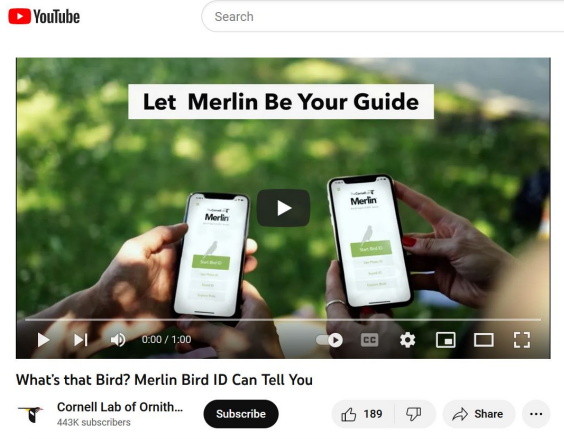
Merlin can suggest a pack based on your location.

[VIEW SUGGESTED PACK](#)

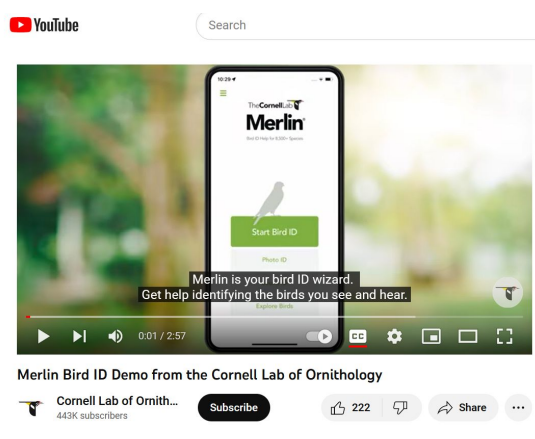
[BROWSE ALL PACKS](#)

Using Merlin Bird ID App

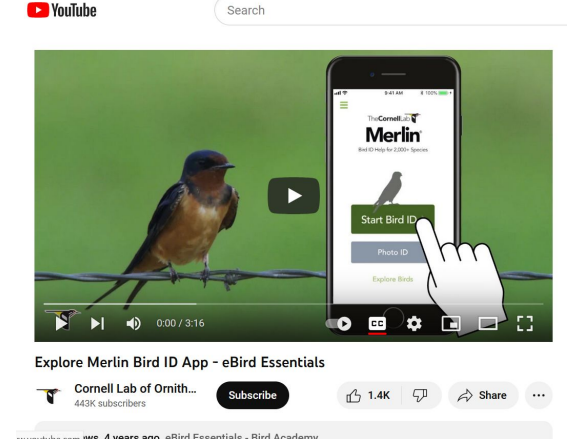
Step 3: Watch these videos to help you use Merlin to ID birds by Sight, Sound, or Photo



[What's that Bird? Merlin Bird ID Can Tell you](#)

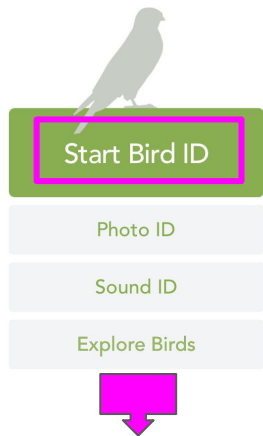


[Merlin ID Demo from the Cornell Lab of Ornithology](#)



[Explore Merlin Bird ID App - eBird Essentials](#)





Where did you see the bird?

Q Place or Postal Code

📍 Current Location >

🗺 Map >

Kent, CT >

New Milford, CT >

South Kent, CT >

Warren, CT >

Sharon, CT >

Lat: 41.708, Lng: -73.455 >

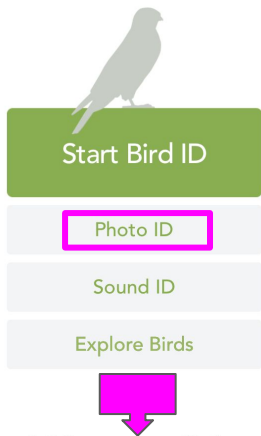
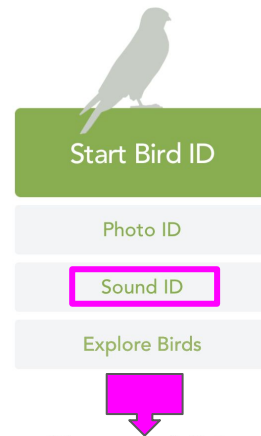


Photo ID

Take a photo of the bird or choose from your library



Choose Photo



Sound ID

Get as close to the bird as you can, hold still, and press record...



My Sound Recordings

Supported Birds

**NOW...PRACTICE
USING MERLIN TO
IDENTIFY THE BIRDS
ON THE NEXT FEW
PAGES BY EITHER
KEY COLORS,
PHOTOS OR SOUNDS**

Merlin ID Practice - "Start Bird ID"

Open Merlin and select "Start Bird ID" Input these observations:



Where: Kent, CT **Date:** May 2nd

Size: between sparrow and a robin



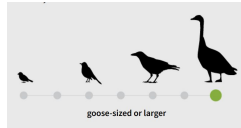
Color: (select 1 to 3 colors)
Blue, Orange, White

Was the Bird? in trees or bushes



Where: Kent, CT **Date:** May 2nd

Size: goose-sized or larger



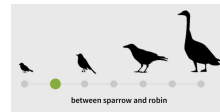
Color: (select 1 to 3 colors)
Blue, Gray, White

Was the Bird? swimming or wading



Where: Kent, CT **Date:** May 2nd

Size: between sparrow and a robin



Color: (select 1 to 3 colors)
Blue & Black

Was the Bird? in trees or bushes



Where: Kent, CT **Date:** May 2nd

Size: between sparrow and a robin



Color: (select 1 to 3 colors)
Red & Black

Was the Bird? in trees or bushes

Merlin ID Practice - "Photo ID"

Open Merlin and select "Photo ID" Follow directions on screen and input data below:



Where: Kent, CT **Date:** May 2nd



Where: Kent, CT **Date:** May 2nd



Where: Kent, CT **Date:** May 2nd



Where: Kent, CT **Date:** May 2nd

Merlin ID Practice - "Sound ID"

Open Merlin and select
phone

"Sound ID"

Open the sound link file on your computer then press record button on



https://www.allaboutbirds.org/guide/Eastern_Bluebird/sounds



https://www.allaboutbirds.org/guide/Great_Blue_Heron/sounds



https://www.allaboutbirds.org/guide/Indigo_Bunting/sounds

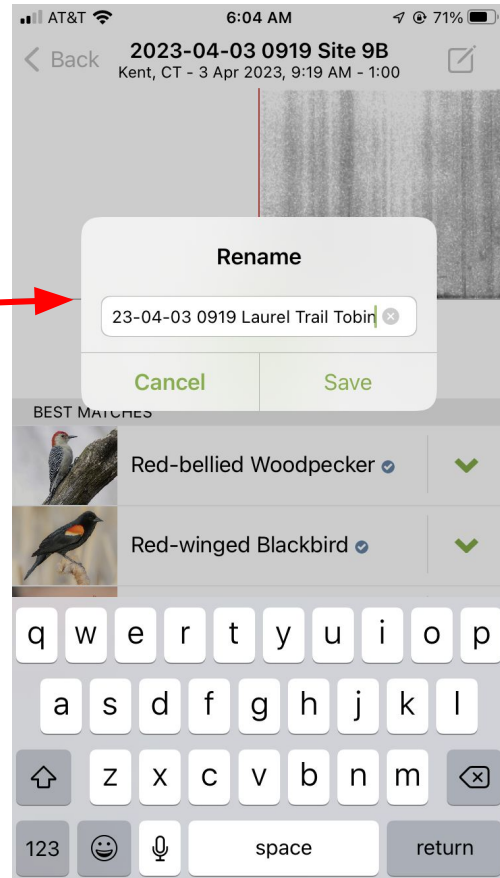
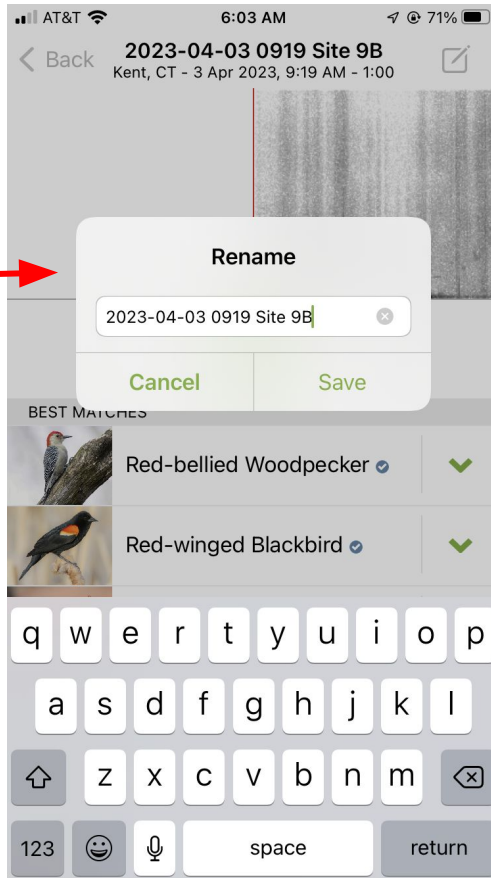
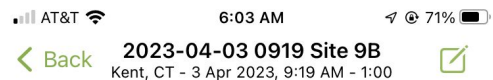


https://www.allaboutbirds.org/guide/Scarlet_Tanager/sounds

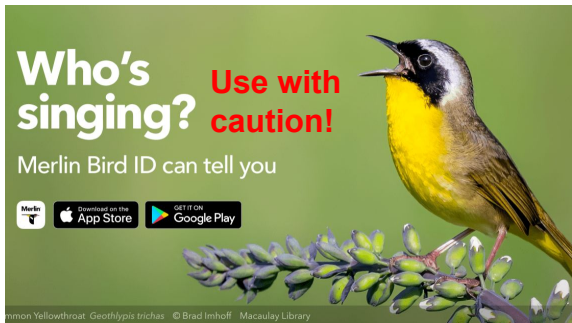


How to Rename a Merlin Sound File

If you have a rare or unusual bird you will need to send your sound file to Ms. Doss to confirm that you did indeed find this species

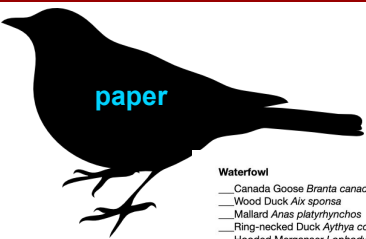


IMPORTANT!! Using Merlin as A Tool!



- **Merlin Bird ID App** is a tool to help you improve your bird identification skills by sight and sound. It does a really good job identifying birds via key questions and using the **“Photo ID”**
- However, when using the **“Sound ID”** feature, **Merlin Bird ID App** is a resource that helps to **suggest** bird species it is detecting. It is not always accurate and needs further verification by sighting the bird; your familiarity with bird songs/calls, and/or comparison of spectrograms of the bird sounds with known references.
- A species **should not be entered into eBird** solely on the basis of sounds picked up by the **Merlin Bird ID App**. Many species can imitate the call of other species and/or users may have the wrong region selected. **ONLY ENTER INTO eBird IF YOU CAN CONFIRM THE SONG/CALL OF THE SPECIES INDEPENDENTLY OF Merlin.**
- Be sure to download the correct bird packs for your region to improve **Merlin’s** chance of suggesting the correct species for your your region.

Add your Merlin Observations to **PAPER** eBird Generated Checklists



Checklists for the four focal preserves can be found at the Kent Memorial Library and in the loaner backpacks.

- Waterfowl**
- ___Canada Goose *Branta canadensis*
 - ___Wood Duck *Aix sponsa*
 - ___Mallard *Anas platyrhynchos*
 - ___Ring-necked Duck *Aythya collaris*
 - ___Hooded Merganser *Lophodytes cucullatus*
- Cuckoos**
- ___Yellow-billed Cuckoo *Coccyzus americanus*
 - ___Black-billed Cuckoo *Coccyzus erythrophthalmus*
- Hummingbirds**
- ___Ruby-throated Hummingbird *Archilochus colubris*
- Herons, Ibis, and Allies**
- ___Great Blue Heron *Ardea herodias*
- Vultures, Hawks, and Allies**
- ___Red-shouldered Hawk *Buteo lineatus*
 - ___Red-tailed Hawk *Buteo jamaicensis*
- Woodpeckers**
- ___Yellow-bellied Sapsucker *Sphyrapicus varius*
 - ___Red-bellied Woodpecker *Melanerpes carolinus*
 - ___Downy Woodpecker *Dryobates pubescens*
 - ___Hairy Woodpecker *Dryobates villosus*
 - ___Pileated Woodpecker *Dryocopus pileatus*
- Tyrant Flycatchers: Pewees, Kingbirds, and Allies**
- ___Eastern Wood-Pewee *Contopus virens*
 - ___Acadian Flycatcher *Empidonax virescens*
 - ___Eastern Phoebe *Sayornis phoebe*
 - ___Great Crested Flycatcher *Myiarchus crinitus*
- Vireos**
- ___Yellow-throated Vireo *Vireo flavifrons*
 - ___Warbling Vireo *Vireo gilvus*

eBird Field Checklist
Kent Land Trust - East Kent Hamlet Nature Preserve
 Litchfield, Connecticut, US
ebird.org/hotspot/L8907348
 62 species - Year-round, All years

Date: _____
 Start time: _____
 Duration: _____
 Distance: _____
 Party size: _____
 Notes: _____

This checklist is generated with data from eBird (ebird.org), a global database of bird sightings from birders like you. If you enjoy this checklist, please consider contributing your sightings to eBird. It is 100% free to take part, and your observations will help support birders, researchers, and conservationists worldwide.

Go to ebird.org to learn more!

eBird Field Checklist
Kent Land Trust - Iron Mt Preserve
 Litchfield, Connecticut, US
ebird.org/hotspot/L18611881
 42 species - Year-round, All years

Date: _____
 Start time: _____
 Duration: _____
 Distance: _____
 Party size: _____
 Notes: _____

This checklist is generated with data from eBird (ebird.org), a global database of bird sightings from birders like you. If you enjoy this checklist, please consider contributing your sightings to eBird. It is 100% free to take part, and your observations will help support birders, researchers, and conservationists worldwide.

Go to ebird.org to learn more!

___Indigo Bunting *Passerina cyanea*

eBird Field Checklist
Kent Land Trust Skiff Mountain South Preserve
 Litchfield, Connecticut, US
ebird.org/hotspot/L8906086
 128 species (+4 other taxa) - Year-round, All years

Date: _____
 Start time: _____
 Duration: _____
 Distance: _____
 Party size: _____
 Notes: _____

This checklist is generated with data from eBird (ebird.org), a global database of bird sightings from birders like you. If you enjoy this checklist, please consider contributing your sightings to eBird. It is 100% free to take part, and your observations will help support birders, researchers, and conservationists worldwide.

Go to ebird.org to learn more!

eBird Field Checklist
Kent Land Trust Audrey and Robert Tobin Preserve
 Litchfield, Connecticut, US
ebird.org/hotspot/L7305448
 76 species - Year-round, All years

Date: _____
 Start time: _____
 Duration: _____
 Distance: _____
 Party size: _____
 Notes: _____

This checklist is generated with data from eBird (ebird.org), a global database of bird sightings from birders like you. If you enjoy this checklist, please consider contributing your sightings to eBird. It is 100% free to take part, and your observations will help support birders, researchers, and conservationists worldwide.

Go to ebird.org to learn more!

Checklists are found in the box of supplies given to your class faculty.

Note: Rare Species cannot be counted without a picture or audio file.

eBird Field Checklist

Kent Land Trust - Iron Mt Preserve

Litchfield, Connecticut, US

ebird.org/hotspot/L18611881

42 species - Year-round, All years

Date: _____

Start time: _____

Duration: _____

Distance: _____

Party size: _____

Notes: _____

This checklist is generated with data from eBird (ebird.org), a global database of bird sightings from birders like you. If you enjoy this checklist, please consider contributing your sightings to eBird. It is 100% free to take part, and your observations will help support birders, researchers, and conservationists worldwide.

Go to ebird.org to learn more!

After each stop tally
the birds you saw
and heard

___ Indigo Bunting *Passerina cyanea*

Grouse, Quail, and Allies

___ Wild Turkey *Meleagris gallopavo*

Pigeons and Doves

___ Mourning Dove *Zenaidura macroura*

Vultures, Hawks, and Allies

___ Red-tailed Hawk *Buteo jamaicensis*

Owls

___ Barred Owl *Strix varia*

Woodpeckers

___ Yellow-bellied Sapsucker *Sphyrapicus varius*

___ Red-bellied Woodpecker *Melanerpes carolinus*

___ Northern Flicker *Colaptes auratus*

Tyrant Flycatchers: Pewees, Kingbirds, and Allies

___ Eastern Phoebe *Sayornis phoebe*

Vireos

___ Red-eyed Vireo *Vireo olivaceus*

Jays, Magpies, Crows, and Ravens

___ Blue Jay *Cyanocitta cristata*

___ American Crow *Corvus brachyrhynchos*

Tits, Chickadees, and Titmice

___ Black-capped Chickadee *Poecile atricapillus*

___ Tufted Titmouse *Baeolophus bicolor*

Kinglets

___ Ruby-crowned Kinglet *Corthylio calendula*

Nuthatches

___ White-breasted Nuthatch *Sitta carolinensis*

Wrens

___ Carolina Wren *Thryothorus ludovicianus*

Catbirds, Mockingbirds, and Thrashers

___ Gray Catbird *Dumetella carolinensis*

Thrushes

___ Veery *Catharus fuscescens*

___ Hermit Thrush *Catharus guttatus*

___ Wood Thrush *Hylocichla mustelina*

___ American Robin *Turdus migratorius*

Waxwings

___ Cedar Waxwing *Bombycilla cedrorum*

Finches, Euphonias, and Allies

___ American Goldfinch *Spinus tristis*

New World Sparrows

___ Chipping Sparrow *Spizella passerina*

___ Field Sparrow *Spizella pusilla*

___ Dark-eyed Junco *Junco hyemalis*

___ White-throated Sparrow *Zonotrichia albicollis*

___ Eastern Towhee *Pipilo erythrophthalmus*

Wood-Warblers

___ Ovenbird *Seiurus aurocapilla*

___ Worm-eating Warbler *Helmitheros vermivorum*

___ Louisiana Waterthrush *Parkesia motacilla*

___ Black-and-white Warbler *Mniotilta varia*

___ Common Yellowthroat *Geothlypis trichas*

___ American Redstart *Setophaga ruticilla*

___ Cerulean Warbler *Setophaga cerulea*

___ Northern Parula *Setophaga americana*

___ Yellow Warbler *Setophaga petechia*

___ Chestnut-sided Warbler *Setophaga pensylvanica*

Cardinals, Grosbeaks, and Allies

___ Scarlet Tanager *Piranga olivacea*

___ Northern Cardinal *Cardinalis cardinalis*

___ Rose-breasted Grosbeak *Pheucticus ludovicianus*

This field checklist was generated using eBird (ebird.org)

- ❑ At the trail start you will make a 1 minute sound observation using Merlin. You will also look to see if you can physically see any bird species.
- ❑ Record your observations onto your group's paper checklist with a tally mark
/ _____ American Robin. Be sure to fill in the information on the front of the checklist as well as your trail name and names of observers in your group.
- ❑ After every five minutes of walking you will stop and record another set of bird observations by sight and sound using Merlin. If you hear a bird you heard before at an earlier stop add a second tally on your checklist. For example, if you detect another American Robin you will then add a second tally mark. // _____ American Robin. This means that you have heard at least two American Robins during your walk so far.
- ❑ At least one person in your group will have the eBird App installed. At the end of the trail the checklist people will give their data to the eBird folks.