



## The Bird User's Guide

Thank you for purchasing The Bird, your personal, portable, and Bluetooth-programmable scrolling LED sign from Blue Corvus. We think you're going to love it!

### Hardware Features of The Bird:

- 64x16 LED Display (1024 dots), capable of scrolling well-crafted fonts and simple graphics/emojis
- Bluetooth Low Energy-enabled ARM controller for 100% wireless programming and control
- Tested up to 300-foot range
- Powered by either 3 AA batteries (alkaline or rechargeable nickel metal hydride\*) or via the micro USB power port. USB power supply must be capable of providing a minimum of 1.6A at 5V.
- Heavy-gauge ABS plastic housing for durability and heat/cold resistance
- Standard ¼-20 brass threaded insert on top of housing for attaching the included windshield suction cup mount
- Included Bird Visor for those extra sunny days (The Bird wears it, not you)  
\*Recommended

### Software features of The Bird App:

- iOS and Android support
- 20 programmable and reprogrammable messages of ridiculously long length – up to 260,000 total characters
- Messages are retained on The Bird until reprogrammed
- Voice-to-text input compatible
- Bluetooth Low Energy for programming and control of The Bird
- 16 levels of brightness – from “It won't wake the baby” to retinal-searing. Readable up to 90 feet in bright sunlight, using the included Bird sun visor.
- 32 different scrolling speeds
- Display “LED window” at the top of the app's screen to show the user the message that is currently scrolling on The Bird's LED display.
- Mirror mode – allows the driver in the car in front of you to read your front-facing message in their rearview mirror.
- Choose to have The Bird scroll your message once, twice, three times, continuously, or any number of minutes between 1 and 60.
- Party Mode plays each programmed message in succession in a continuous loop.
- Each of the user's devices (tablet(s), mobile phone(s)...) will have its own set of messages stored on each device.
- The user's Bird will not be accessible by another copy of the app without the user's permission. No Bird bombing allowed.
- Emoji support: send a smiley, paw print, pile of poo, thumbs up, football, etc., straight from your device's touchscreen keyboard. Support for nearly 200 emojis!

**\*\*ATTENTION\*\***

Before we get started, a note to keep your Bird happy and healthy: if you plan on leaving your Bird inside a hot vehicle, please store it in the glove compartment out of the direct heat of the sunlight. Neglecting to do so can permanently deform your Bird's enclosure, making for a less-than-optimal experience. By following this simple care plan, you should get years of service out of your Bird!

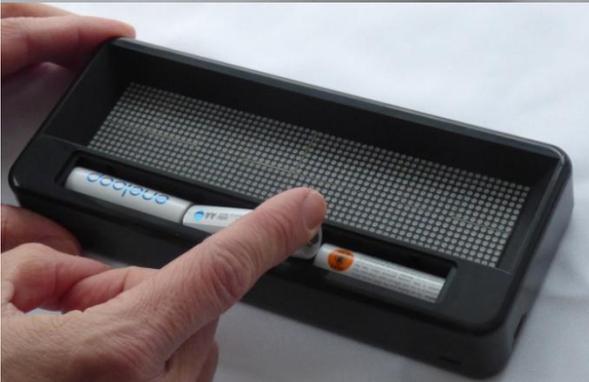
OK, *now* let's get started!

## Battery Installation

To install batteries into The Bird, gently press the battery door latch in and up to open the door.



Insert 3 AA batteries. You may find it easiest to install them in the order shown in the pictures below:



Replace the battery door by inserting the tabs of the door into the 3 matching slots and close it with a snap. Once power has been applied, the welcome message will scroll.



If, instead of the welcome message, your Bird's display looks something like this:



don't panic! This just means you need a fresh set of batteries. Once you have good batteries installed, your Bird will power up fine.

You may alternatively power your Bird using the optional Vehicle Power Kit (available at <https://bluecorvus.com/accessories/>), which provides power from your cigarette lighter adapter through a 9.75-foot (3-meter) micro USB cable.

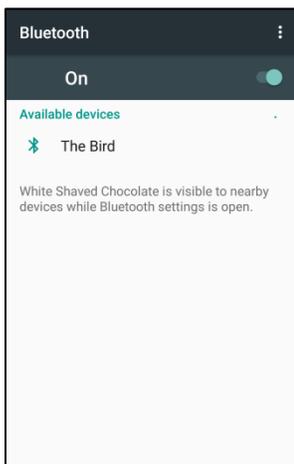
That's it! The Bird is ready to fly!

### Bluetooth Pairing Between The Bird and Your Device

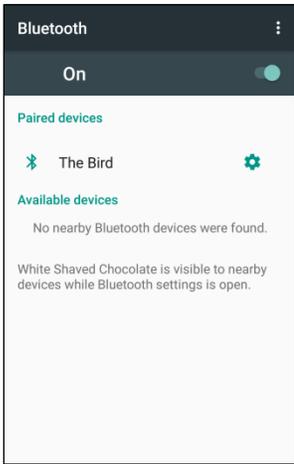
#### Android

If you will be running The Bird app on an Android device, you will need to initiate a Bluetooth pair within 30 seconds of applying power to your Bird. This is a security feature, so that nobody can pair with your Bird without your permission.

During your Bluetooth scan for new devices, "The Bird" will appear as one of the Available Devices.



Touch on “The Bird” to pair your device to The Bird. Confirm that “The Bird” then appears as one of your Paired Devices.

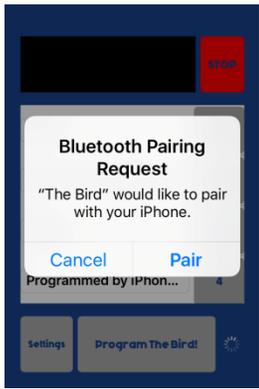


If you don't initiate the Bluetooth pair within 30 seconds of applying power, and “The Bird” does not appear as an Available Device, simply remove and then reapply power to The Bird and repeat the pairing process.

This process only needs to be done the first time you power up your Bird.

### Apple iOS

The process for pairing The Bird with your iPhone is different than for Android. Within 30 seconds of applying power to your Bird, you will need to launch the “Blue Corvus The Bird” app that you have downloaded from the iPhone App Store. This is a security feature, so that nobody can pair with your Bird without your permission. After the splash screen, The Bird Messages screen appears, and then a Bluetooth Pairing Request window will pop up.



Press the “Pair” button to complete the Bluetooth pairing. This process only needs to be done the first time you power up your Bird.

### The Bird App

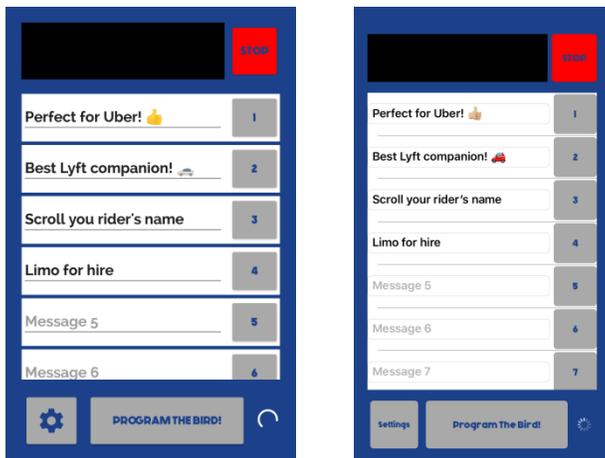
Alright, let's get you familiar with The Bird app. After you have installed either the Android version of the app from the Google Play Store or the iOS version of the app from the Apple App Store, touch The Bird icon to launch.



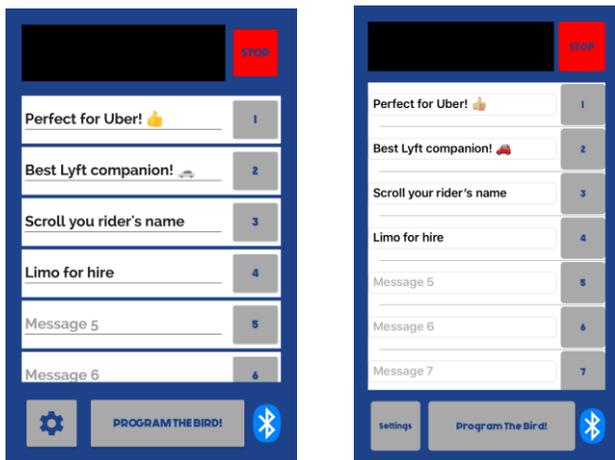
You will then see The Bird splash screen, as the app loads.



Once the app has loaded, you will be greeted by The Bird Messages screen. While your device is establishing the Bluetooth Low Energy connection with The Bird, the scanning icon in the lower right-hand corner will spin.



When the Bluetooth connection is established, the Bluetooth icon will appear, and you will be able to input messages, program your Bird, play your messages, or switch to the Settings screen.



There are 20 message slots available, and each message can be of any length, limited only by The Bird's free memory (about 260,000 characters).

Input your messages through your device's touch keyboard or by using voice-to-text input.

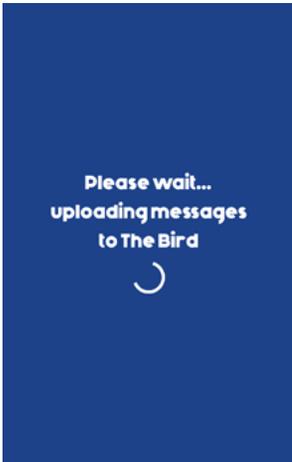
**A note of caution: please do not operate your Bird while driving! Blue Corvus does not condone this practice! Your safety is important to us. If you are using The Bird in your vehicle, please have a passenger control your Bird.**

Sweep your finger up or down in the messages input window area to access all 20 message slots.

Once you have finished the input of all of your messages, press the “Program The Bird!” button on the screen.



The screen below will display, while The Bird is being programmed:



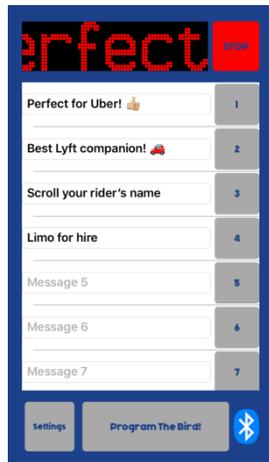
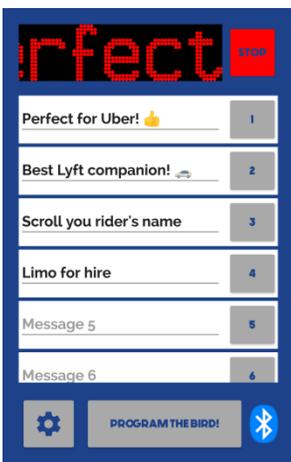
The amount of time it takes for your messages to upload will depend on the number of characters getting programmed.

Once your messages have made their way to your Bird, the app will return to The Bird Messages screen. From there, you may input new messages, program your Bird again, play your messages, or switch to the Settings screen.

### Selecting Message to Display

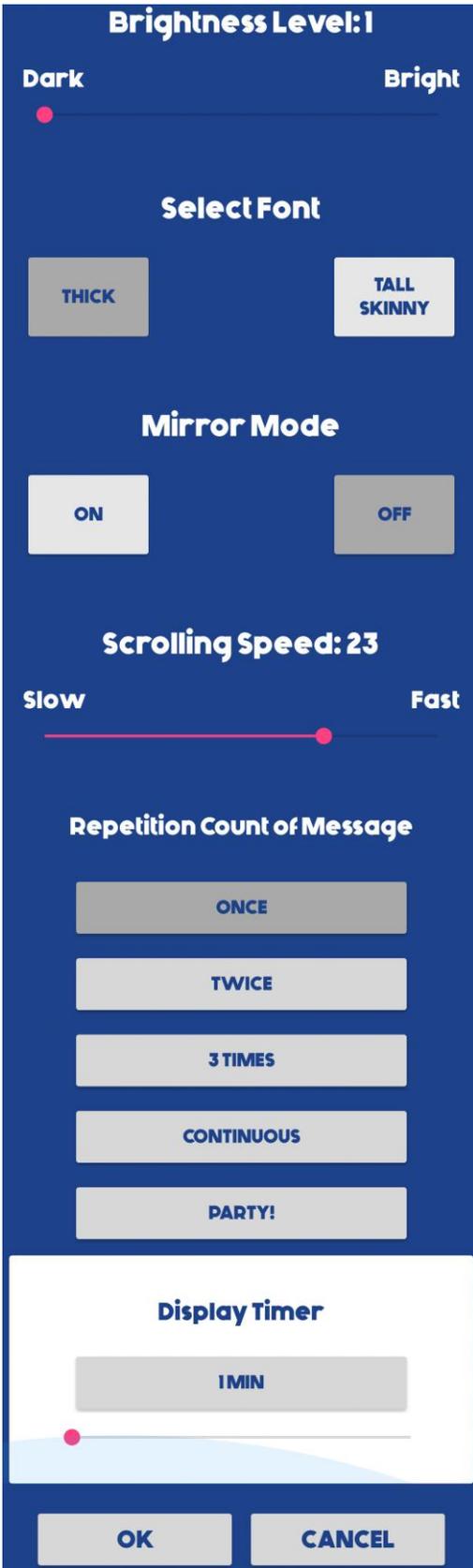
To select and playback any of the messages, simply touch the corresponding numbered button on the right side of the screen: touching the “1” button instantly starts displaying the message you have programmed into the Message 1 slot, touching “2” displays Message 2, etc.

The app’s “LED display” will start scrolling the selected message to assure you that you are scrolling the message you want.



## Settings

From the Program Messages screen, touch the Settings button (  Android,  Apple) to access the Settings screen and its features.



**Brightness Level: 1**

Dark Bright

●

**Select Font**

THICK TALL SKINNY

**Mirror Mode**

ON OFF

**Scrolling Speed: 23**

Slow Fast

●

**Repetition Count of Message**

ONCE

TWICE

3 TIMES

CONTINUOUS

PARTY!

**Display Timer**

1 MIN

●

OK CANCEL

**Brightness Level:**

To change the brightness level of your Bird’s display, use your finger to move the Brightness Level slider and change the display brightness from Dark to Bright. The Brightness Level shown on your device will change from 1 through 16, accordingly.



When finished, touch the “OK” button at the bottom of the screen to accept your change or “touch” cancel to ignore your changes.

**Font Selection:**

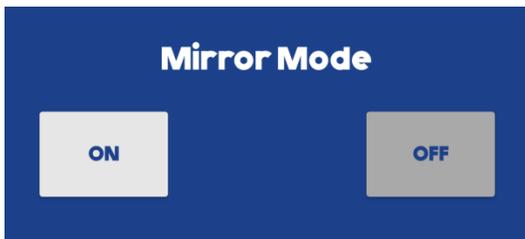
To choose which of The Bird’s two fonts is used during message playback, simply select the button corresponding to “Thick” or “Tall Skinny.”



When finished, touch the “OK” button at the bottom of the screen to accept your change or select “CANCEL” to ignore your changes.

**Mirror Mode:**

To have your Bird display in Mirror Mode (backwards characters scrolling from left to right), select the “ON” button. To scroll normally, choose “OFF.”



When finished, touch the “OK” button at the bottom of the screen to accept your change or select “CANCEL” to ignore your changes.

**Scrolling Speed:**

To change the playback scrolling speed of your Bird, use your finger to move the Scrolling Speed slider and change the setting from Slow to Fast. The Scrolling Speed shown on your device will change from 1 through 32, accordingly.



When finished, touch the “OK” button at the bottom of the screen to accept your change or select “CANCEL” to ignore your changes.

### Banner Mode

There are instances when you might want to have your message freeze on the display, instead of scrolling. If you slide the Scrolling Speed all the way down to "1", the next time you play back a message, The Bird will start scrolling. When it reaches the end of the message, it will freeze the display. This is useful if you have a short message or logo that you want to be displayed.

Make sure you adjust your Repetition Count of Message settings to reflect how long you want your Banner Mode message to display. The Continuous setting will keep your message or logo lit up until you turn it off. You can also use the Display Timer to have your Banner Mode message active for a set number of minutes before shutting off.

Note: if using The Bird in Banner Mode, Party Mode does not work. If Party Mode is selected, The Bird will display and freeze the lowest-numbered message in your list and keep it displayed, until you switch out of Banner Mode or turn The Bird off with the STOP button.

### \*\*Special Note for Displaying Uber or Lyft Logos\*\*

There are 2 options for displaying the Uber logo: enter "<uber>" or "<uber2>" (without the quotation marks) into one of the message fields. After touching the "Program The Bird!" button, the display will show as below during playback:



<uber> entered into message field



<uber2> entered into message field

There are 3 options for displaying the Lyft logo: enter "<lyft>", "<lyft2>", or "<lyft3>" (again without the quotation marks) into a message field. Try all three to see which you prefer.



<lyft> entered into message field



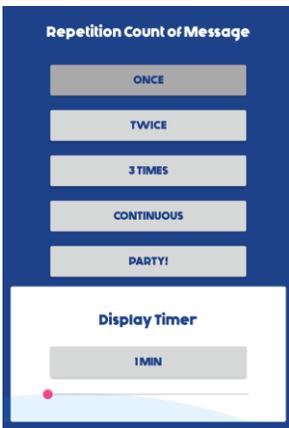
<lyft3> entered into message field

This is a screenshot of what to enter to display the different Uber and Lyft logos:



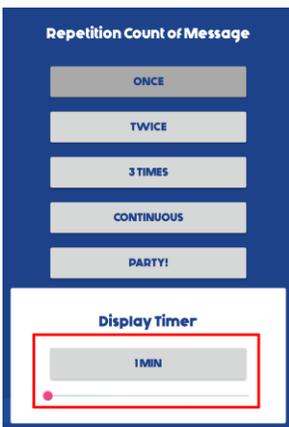
### Repetition Count of Message/Timer Setting

This function allows you to set the number of iterations/length of time you want to scroll your message.



From here, you can choose to have your message scroll once, twice, or 3 times, before The Bird goes into sleep mode. You can also select “CONTINUOUS”, which will keep your Bird’s message scrolling over and over, until you touch the STOP button.

If, instead, you want to have your message scroll for a set number of minutes between 1 and 60, use the “Display Timer” option.



Use your finger to drag the slider, which sets the minute count to your choosing. Then select the “OK” button. In the example below, The Bird will scroll your message (or messages, if in Party Mode) for 16 minutes and then go into sleep mode.



## Party! Mode

A special feature of The Bird is Party! Mode. When this option is selected on the Repetition Count of Message Page, The Bird will scroll all of your messages in continuous succession, starting with the lowest-numbered message and ending with your highest-numbered message. For example, if you have a message in slots 2, 3, 4, 8, and 12, The Bird would scroll message 2, then 3, then 4, then 8, then 12, then back to 2, and 3, etc.

Party Mode can be useful if you normally have several messages you want to continuously display and just want to change one or two messages.

When finished, touch the "OK" button at the bottom of the screen to accept your change or select "CANCEL" to ignore your changes.

## STOP

To make your Bird stop displaying and go into sleep mode at any time, just touch the STOP button. Note that anytime The Bird is not scrolling a message, it automatically goes into sleep mode.



## Message Feedback Window

Since there are many times your Bird might not be facing you (think back or front windshield), the app provides a message feedback window, which scrolls the message currently selected. This way, once you touch the button corresponding to the message you want to scroll, you will get instant feedback which message you have selected and that the message is being displayed.



That's it! Enjoy using your Bird!

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

(2) This device must accept any interference received, including interference that may cause undesired operation.



**The Bird**  
**Model 2050**  
**Tested to comply**  
**with FCC standards**  
**for home or office use**