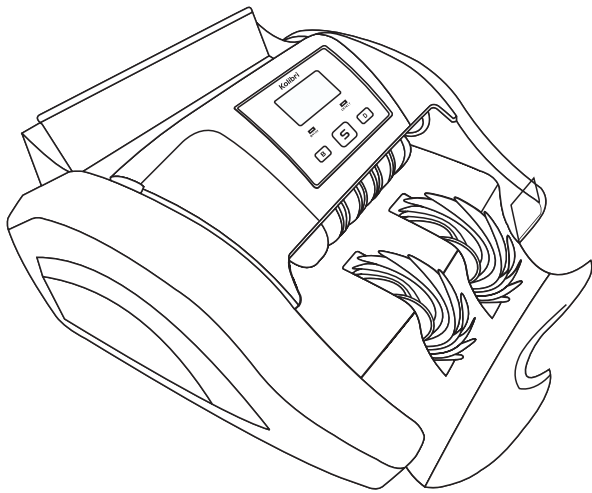


# Kolibri

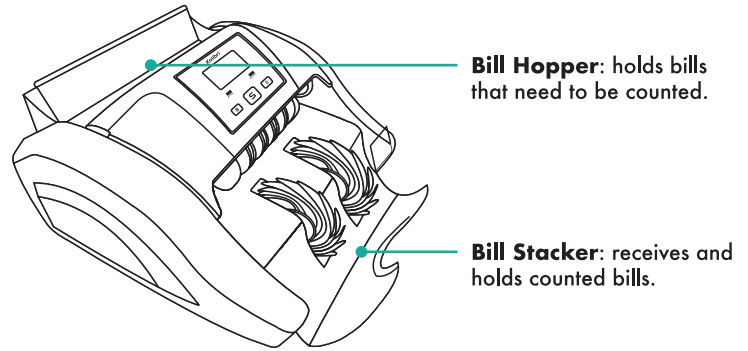
## AUTOMATIC BILL COUNTER



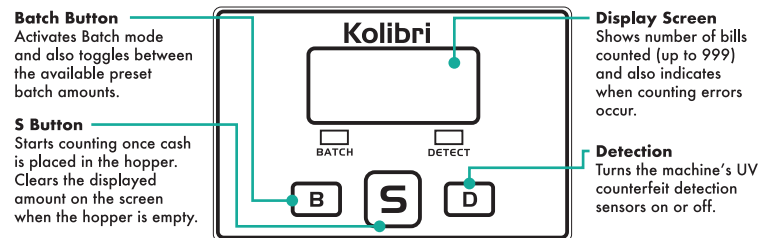
Using the Kolibri Automatic Bill Counter

# Meet Your Kolibri Bill Counter

## Unit Overview



## Control Panel Overview



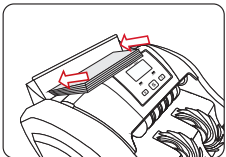
## Getting Started

### Powering Up

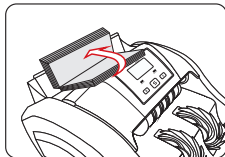
Ensure that the hopper is empty. Connect the power cord into the rear of the unit then plug the cord into an available power outlet. Press the power switch to the "On" position to turn the machine on. The bill counter will emit a beep and display "0" on the screen once it is ready to count.

### Loading the Hopper

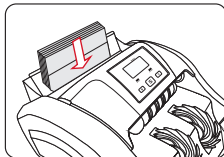
To avoid bill jams and ensure continued, optimal use it is important to load bills correctly into the hopper. Follow the steps below for best results:



1. Place bills flat across the top of the unit.



2. Flip bills upward into the hopper.



3. Bills should rest against the hopper's back plate and feed down into the unit.

### Operating Modes

**Count Mode:** This is the default setting for the bill counter. To begin counting, place bills into the hopper as shown in *Loading the Hopper*. The machine will begin counting once bills are present and stop once the hopper is empty. The number of bills counted will be displayed on the screen and remain there until the "S" button is pressed to clear the count or additional bills are added into the hopper.

**NOTE:** Empty the stacker before each count.

**Batch Mode:** To use Batch mode, press the "B" button and select one of the preset batch amounts. Each press of the "B" button will toggle to a preset amount (100, 50, 25, 20 or 10 bill batches). The "Batch" indicator light will illuminate when Batch mode is active.

When the needed batch amount is shown on the screen, add bills to be counted to the hopper. The machine will begin counting automatically. Once the set batch amount is reached in the stacker, the machine will stop counting and the number of bills counted will be displayed on the screen. Remove the counted bills from the stacker and press the "S" button to continue batching the bills in the hopper.

If there are not enough bills in the hopper to reach the set batch amount, the counted number of bills on the screen will flash to indicate an incomplete batch. To complete the batch, add more bills to the hopper and press the "S" button. The machine will automatically count the required number of bills to complete the batch.

To turn Batch mode off, press the "B" button until a "0" batch amount is displayed on the screen. The machine will automatically turn off Batch mode and switch back to Count mode.

# Understanding and Resolving Counterfeit + Detection Codes

## Counterfeit Note Detection



The Kolibri is able to verify the authenticity of bills using an ultraviolet (UV) detection system. The “D” button will toggle this detection system on and off. The “Detect” indicator light will illuminate when detection is active.

The machine will beep and stop counting when a note suspected of being counterfeit is detected and a “UU” message will be displayed on the screen. To continue counting, remove the suspicious bill, which will be the top bill on the stacker, and press the “S” button. The machine will resume counting and will not add the suspect bill to the count. This feature allows the count to continue without needing to restart.

**NOTE:** Like all other counters with integrated detectors present on the market, the Kolibri cannot guarantee a counted bill to be genuine or counterfeit. There are several reasons a genuine bill may be recognized as counterfeit or vice versa, including: direct sunlight exposure, worn out bills, excessively soiled bills or highly advanced counterfeiting techniques. Separate equipment may be required to provide definitive proof of whether or not a note is counterfeit.

## Double Note Detection



Bills may stick together for a number of reasons, which may include excessive dirt, folding and more. The Kolibri uses infrared (IR) technology to determine when two bills that are stuck together pass through the hopper. This feature is always active to ensure accurate counts.

If a double bill is detected, the machine will stop counting, emit a beep and display “dbl” on the screen.

To clear this error, remove and set aside the double bill from the top of the stacker. Then remove all other bills from the stacker and add them back to the hopper. Press the “S” button and counting will begin again anew from zero.

## Half Note Detection

If a torn, or half, note passes through the counting mechanism, the Kolibri IR detection will catch it and stop the count. It will emit a beep and “HLF” will display on the screen.



To clear this error, remove and set aside the half note from the top of the stacker. Then remove all other bills from the stacker and add them back to the hopper. Press the “S” button and counting will begin again anew from zero.

## Chain Note Detection

The Kolibri bill counter includes a self-checking system that alerts, in the rare case, when several notes pass through the counting mechanism at once. This system is automatically active at all times to ensure an accurate count.



If several notes pass through at once, the unit will stop counting, emit a beep and display “CHn” on the screen. To clear this error, remove all bills from the stacker and add them back to the hopper. Press the “S” button to begin the count anew from zero.

## Important Safety Notes

When using this bill counter, basic safety precautions should always be followed, including:

- Do not use this unit in areas where it may be exposed to water or other liquids.
- Only use the supplied power cord with this machine. Plug the power cord into a properly grounded wall outlet. Do not remove the grounding pin from the power cord. Failure to properly ground the machine may result in severe injury or fire.
- Ensure the unit is used only on a stable, flat surface. Do not operate the machine in areas with high temperature, humidity or smoke—these environmental issues may prevent the machine from working properly.
- This unit is intended only for indoor use within a well-ventilated environment. Keep the machine away from direct sunlight and strong magnetic fields, as these may interfere with the unit’s performance.
- Remove the power plug from the wall outlet when the machine is not in use.
- Unplug the power cord from the wall outlet before cleaning. Use a can of compressed air, cleaning cards or a microfiber wipe to clean.
- To avoid the risk of electric shock, do not disassemble the unit.
- Disassembling the unit will expose you to dangers, voltages and other risks associated with moving components.
- Take the bill counter only to a qualified technician when service or repair is required. Do not attempt to replace parts yourself, supplied parts are intended for replacement by qualified personnel only.

## Cleaning and Maintenance

Most operational issues may be avoided with regular care and preventative maintenance. Before cleaning the machine, turn it off and disconnect power.

- Sensors should be cleaned daily with a soft brush or a can of compressed air in order to avoid paper/dust particles from sticking to the sensors.
- Clean all parts of the machine, including the counting mechanism, with a can of compressed air each day.
- Cover the bill counter with a plastic sheet or canvas bag when not in use.

## Kolibri Automatic Bill Counter Specifications:

<b>Counting Speed:</b>	~ 1,000 Bills / Min
<b>Hopper Capacity:</b>	200 New Bills / 110 Old Bills
<b>Stacker Capacity:</b>	200 New Bills / 130 Old Bills
<b>Batch Presets:</b>	100, 50, 25, 20, 10
<b>Detections:</b>	Ultraviolet (UV), Infrared (IR), Double Note, Chain Note, Half Note
<b>Feeding System:</b>	Roller Friction System
<b>Screen:</b>	3 - Digit LED
<b>Ambient Temperature:</b>	32° F - 104° F (0° C - 40° C)
<b>Operating Humidity:</b>	40% to 90%
<b>Unit Dimensions (L x W x H):</b>	10.6" x 8.9" x 5.8" (270 x 227 x 148 mm)
<b>Unit Weight:</b>	8.9 lbs (4 kg)
<b>Input Power:</b>	110 VAC / 60 Hz
<b>Power Consumption:</b>	< 60 W

*Specifications subject to change without notice.*

## Warranty Information

The Kolibri Automatic Bill Counter is warranted for a period of one year from the date of purchase. Warranty coverage does not include shipping to and from the Technical Support Center. For product information and technical support, contact us at [www.KolibriUSA.com](http://www.KolibriUSA.com).

When contacting Kolibri Support, please include the following information:

- Product model and serial number (located on the bottom of the unit).
- Nature of the problem, including any error messages that are being displayed.