



Domino V2

Kolibri Domino V2 Mixed Currency Counter & Sorter



User Manual

This manual contains important information on safety measures and operational features. Please read it carefully before operating your bill counter and sorter, and keep it for future reference.

While every effort has been made to include all features in this user manual, specifications stated may not reflect all features of the later software versions.

If you need information or support for your Kolibri Domino V2 and its operation, please contact our technical support by visiting Kolibri USA's support page at www.KolibriUSA.com/support.



**CHOKING HAZARD.
SMALL PARTS**
Not for children under
3 years old.



**WARNING: RISK OF
ELECTRICAL SHOCK.**
This equipment is to be serviced
by trained personnel only.



**DO NOT DISPOSE
IN TRASH.**
Follow appropriate local
electronics scrap procedures.



**WARNING: HAZARDOUS
MOVING PARTS**
Do not place fingers, hair,
clothes, lanyards...
near moving parts.



PROP 65 WARNING. This product may contain chemicals known to the State of California to cause cancer, or birth defects or other reproductive harm.
<https://oehha.ca.gov/>

Important Safety Notes

When using this unit, basic safety precautions should always be observed, including the following:

- Do not use this product in areas where it may be exposed to water or any other liquids.
- Only use the power cord supplied with the unit. 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 unit can result in severe injury or fire.
- Make certain the unit is installed on a flat surface. Do not operate the unit in areas with high temperature, humidity, or smoke, as these conditions may prevent proper operation.
- This unit is designed for indoor use in a well-ventilated environment. Keep the unit away from direct sunlight and strong magnetic fields. These could interfere with the counterfeit detection sensors.
- When not using the unit for an extended period, disconnect the power cord from the wall outlet.
- Unplug the unit from the wall outlet before cleaning. Use a damp cloth or specifically designed maintenance accessories such as an air duster, soft bristle brush, or cleaning cards.
- To avoid the risk of electrical shock, do not disassemble this unit. Disassembling will expose you to dangerous voltages and other safety risks. Incorrect reassembly may cause electrical shock when the appliance is subsequently used.
- Take the unit to a qualified technician when service or repair is required. Do not try to replace any parts yourself, unless assisted by Kolibri technical service center. Supplied spare parts are intended for use by qualified personnel only.

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1. INTRODUCTION

1.1 About Domino V2

Thank you for choosing Kolibri Domino V2 Mixed Currency Counter & Sorter.

Kolibri Domino V2 is a professional bill counter, value reader and sorter. It has a touch screen control panel and intuitive user interface to offer a user-friendly experience with fast and premium performance.

Kolibri Domino V2 comes with a variety of operating modes and functions: Mix, Count, Sort, DSort, Face, Orient, VSort, Batch and Add+Batch to meet all counting needs.

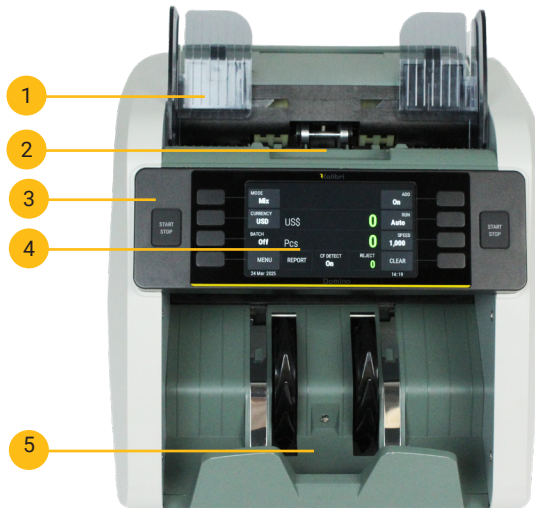
1.2 Box Contents

- Kolibri Domino V2 Mixed Currency Counter & Sorter
- Power Cord
- Calibration Card (White Laminated Paper)
- Quickstart Guide
- User Manual (use QR code on the unit)
- Cleaning Brush
- Microfiber Cloth
- External Display
- Dust Cover

1.3 Specifications

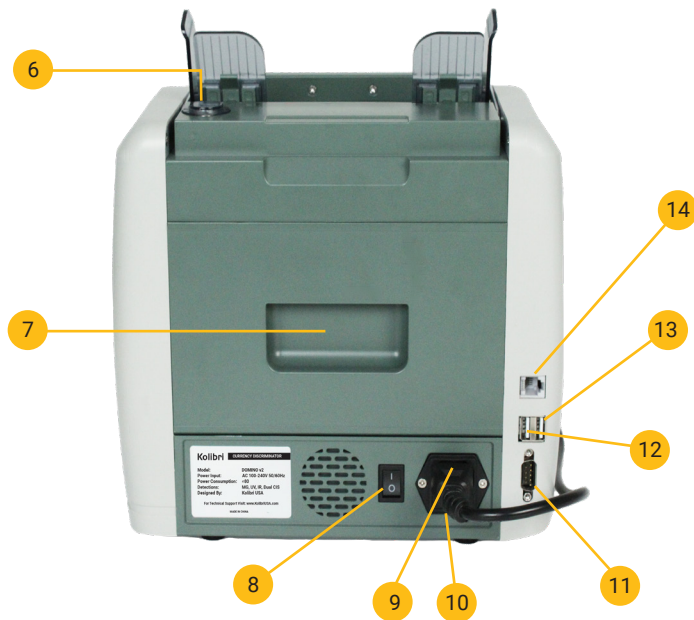
Power supply	AC 100-240 V, 50/60Hz
Power consumption	≤ 80W
Counting speed	up to 1,200 bills/min
Applicable bill thickness	0.07-0.15mm
Hopper capacity	500 bills
Stacker capacity	200 bills
Batch range	1 - 200 bills
Feeding system	Roller friction system
Display	Touchscreen TFT, 4.5"
Counterfeit detection	UV, MG, IR and Dual CIS
Ambient temperature	32° F - 104° F (0° - 40°C)
Operating humidity	40% - 90%
Size	10.8" x 9.6" x 11.3" (275 mm x 245 mm x 287mm)
Weight	15.4 lbs (7 kg)

1.4 Front View



1. Bill Guides
2. Hopper
3. Control Panel
4. Touch Screen
5. Stacker

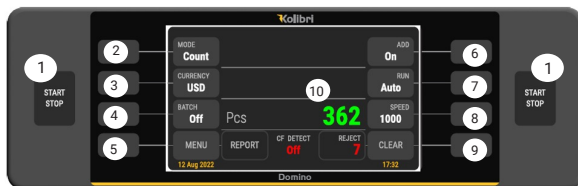
1.5 Rear View



- 6. Feed Gap Adjustment Knob
- 7. Back Door Handle
- 8. Power Switch
- 9. Power Inlet
- 10. Power Inlet Fuse

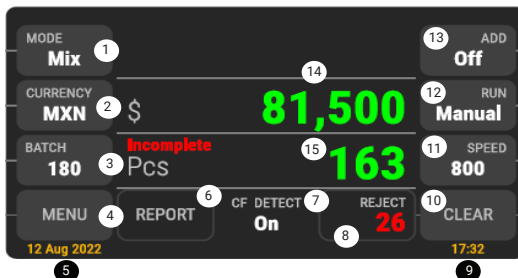
- 11. Printer Port (RS232)
- 12. USB Port
- 13. USB Port
- 14. External Display Port (6P6C)

1.6 Control Panel



KEY	FUNCTION
1. START / STOP Buttons	Start or Stop the count or validate / confirm settings
2. MODE Button	Change modes (MIX, COUNT, SORT, DSORT, FACE, ORIENT, VSORT)
3. CURRENCY Button	Change currency (USD, CAD, MXN, GBP, EUR, MULTI)
4. BATCH Buttons	Activate/deactivate batch function
5. MENU Button	Show menu screen
6. ADD Button	Activate/deactivate add function
7. RUN Button	Change auto/manual count function
8. SPEED Button	Change speed (800, 1000, 1200 bills/min)
9. CLEAR Button	Reset the count / go back when on the menu screen
10. TOUCHSCREEN DISPLAY	Shows amount of bills counted, error codes, currencies, activated modes and functions

1.7 Home Screen



1. MODE	Activated mode
2. CURRENCY	Currency selected
3. BATCH	Batch function activated if the number is displayed /deactivated when off is displayed
4. MENU	Set date and time; configure printing, beep, sleep mode; service access; and product information
5. DATE	Current date
6. REPORT	The number of bills and the total value for each denomination counted
7. CF DETECT	Counterfeit detection activated/deactivated
8. REJECT	The report of the rejected bills and reject reasons
9. TIME	Current time
10. CLEAR	Reset the count of bills counted
11. SPEED	Selected counting speed
12. RUN	Auto function activated/deactivated
13. ADD	Add function activated/deactivated
14. \$	Total value of bills counted
15. Pcs	Total number of bills counted

2. GETTING STARTED

2.1 Powering Up

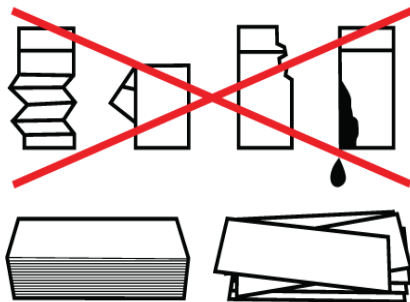
Ensure the hopper and stacker are empty. Attach power cable to rear of the unit, plug into a three-prong outlet and turn the power switch, located on the rear of the unit, to the on position. The unit will load and conduct a power-on self-test (POST). The screen will display “0” in all counting fields when the unit is ready to operate.

2.2 Loading the Hopper

In order to avoid jams and ensure proper operating speed of the unit, it is important to load the hopper correctly. Kolibri recommends to not use more than 500 bills at a time and change to “MANUAL” mode until the technique of loading bills is mastered. Follow the 3-step loading technique below to ensure smooth bill feeding.

1. Make a Stack

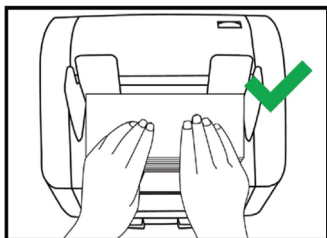
Correct or remove bills that are severely wrinkled, damaged or folded. Square the bill stack.



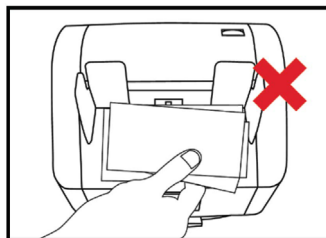
2. Load the Stack

Make sure the bill stack is square, as shown in the diagrams below.
Loading more than 500 bills at a time is not recommended.

Correct

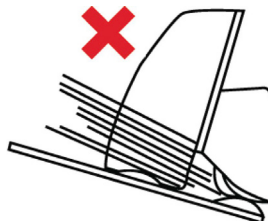
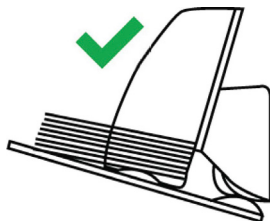


Incorrect



3. Feed the Bills

See diagrams below for proper bill feeding.



3. OPERATING MODES & FEATURES

3.1 Auto & Manual Mode

After turning the unit on for the first time, it will default to auto mode, and “Auto” will be displayed on the home screen. In this mode, the unit starts counting automatically. To switch to manual mode, press “RUN” button or “Auto” on the touchscreen. If manual mode is selected, “Manual” will be displayed on the home screen.

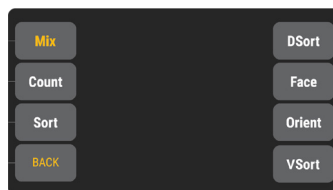
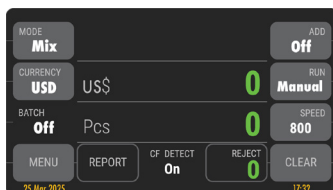
In manual mode, the unit will stop counting automatically. “START” button must be pressed each time to begin counting. To go back to auto mode, press “RUN” button or “Manual” on the touchscreen.

3.2 Mix Mode

After turning the unit on for the first time, it will default to mix mode, and “Mix” will be displayed on the home screen.

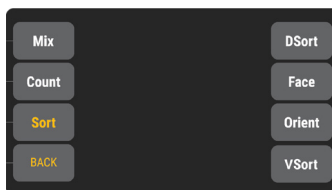
“Mix” mode is used to count a stack of mixed denominations. To count mixed bills, place them in the hopper and follow the procedure described in section 2.2 “LOADING THE HOPPER”. The unit will start counting and will move the bills from the hopper to the stacker as it counts them. The unit will stop counting when the hopper is completely emptied. The total number of bills and the total value will be displayed on the home screen. When the operation is complete, a detailed report can be viewed by tapping “REPORT” on touchscreen. Report of the rejected bills can be viewed by tapping “REJECT” on the touchscreen.

To change or return to the “Mix” mode from another mode, press the corresponding “MODE” button or the “MODE” named touchscreen button on the touchscreen, and select “Mix” in the mode’s sub-menu.



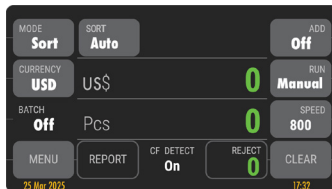
3.3 Sort Mode

This mode can be activated by pressing “MODE” button or the “MODE” named touchscreen button, and select “Sort” in the mode’s sub-menu.

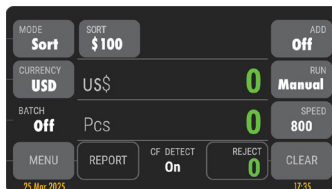
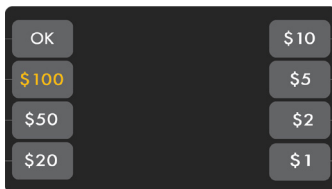


“Sort” mode “Auto” allows the user to count and sort bills by one denomination, which is automatically determined by the first bill scanned in the stack. If a bill passing through the machine does not conform to the denomination determined by the first bill, the machine will stop and prompt a removal of the bill that is different in denomination. This bill is not included in the total count. This feature ensures that there are no bills of other denominations in a large stack of single denomination bills. Sort “Auto” is the default option when the unit is in Sort mode.

When in Sort “Auto” mode, “Auto” will be displayed on the “SORT” button on the home screen next to the “MODE” button. Pressing this “SORT” button will return the user to the Sort sub-menu screen.



There is also an option to sort by one particular or multiple denominations by making the necessary selection in the Sort mode sub-menu. If one denomination is selected in Sort mode, it will be displayed on the “SORT” button on the home screen next to the “MODE” button. With this option selected, only the chosen denomination will be counted, and bills of different denominations will be rejected.



If multiple denominations are selected from the Sort sub-menu, “Multi” will be displayed on the “SORT” button on the home screen next to the “MODE” button. With this option selected, only the chosen denominations will be counted. Bills of different denominations will be rejected.



The total number of bills and total value will be displayed on the home screen. When operation is completed, a detailed report can be viewed by pressing the “REPORT” button. Report of the rejected bills can be viewed by tapping “REJECT” on the touch screen. To return to Sort mode from another mode, press the “MODE” button, on the touch screen and choose “Sort” in the mode sub-menu screen.

3.4 Face Mode

This mode can be activated by pressing “MODE” button or the “MODE” named touchscreen button, and select “Face” in the mode’s sub-menu.

“Face” mode enables the user to sort bills based on whether they are loaded into the Domino V2 face up or face down. The first bill in the hopper determines the sorting and counting orientation. If the first bill through the machine is facing up, the machine will count all bills facing up and stop every time the bills are facing down and display a message on the screen. The bills that are facing the opposite direction will not be counted. Total number of bills and total value will be displayed on home screen. When the operation is completed, a detailed report can be viewed by pressing the “REPORT” button. Report of the rejected bills can be viewed by tapping “REJECT” on the touch screen.

To return to “Face” mode from another mode, press “MODE” button, or the mode name on the touchscreen and choose “Face” mode in sub-menu.

3.5 Orientation Mode

This mode can be activated by pressing “MODE” button or the “MODE” named touchscreen button, and select “Orient” in mode’s sub-menu.

“Orient” mode enables the user to count and sort bills by one of the 4 orientations. The first bill in the hopper determines the counting orientation. Any time a bill passes through the machine and does not

conform to the orientation determined by the first bill, the machine will stop and display a message on the screen with the instructions to remove the nonconforming bill from the stacker. This bill will not be added to the count. Total number of bills and total value will be displayed on the home screen.

When the operation is completed, a detailed report can be viewed by pressing the “REPORT” button. Report of the rejected bills can be viewed by tapping “REJECT” on the touch screen.

To return to “Orient” mode from another mode, press “MODE” button, or the mode name on the touchscreen and choose “Orient” mode in sub-menu.

3.6 VSort Mode

This mode can be activated by pressing “MODE” button or the “MODE” named touchscreen button and select “VSort” in mode’s sub-menu.

“VSort” mode enables the user to count a mixed stack of bills and separate them by denomination, similar to a cash register. This mode identifies the first bill in the hopper when the machine begins to count, and

if a different denomination is detected, the machine stops and displays a message. The user must follow the instructions displayed on that message. Every time a denomination changes, the user must remove all

bills from the stacker and separate them by denomination. When counting is finished, the user will have separated all bills into piles of each denomination. “VSort” by default works with ADD mode, allowing

the user to keep track of the total number of bills along with the total value displayed on the home screen. When the operation is completed, a detailed report can be viewed by pressing the “REPORT” button.

Report of the rejected bills can be viewed by tapping “REJECT” on the touch screen.

To return to VSort mode from another mode, press the “MODE” button, on the touch screen and choose “VSort” in the mode sub-menu screen.

3.7 DSort Mode

This mode can be activated by pressing “MODE” button or the “MODE” named touchscreen button, and select “DSort” in mode’s sub-menu.

Design sort mode, also known as “DSort” mode, enables users to count and sort bills of the same currency based on their design type. The design type of the first bill in the hopper determines the sorting and counting design type for the entire stack. The unit will exclude and sort out any bills with the different design type. The total number of bills and total value will be displayed on the home screen. Upon completion of the operation, a detailed report can be accessed by tapping the “REPORT” on the touchscreen. Report of the rejected bills can be viewed by tapping “REJECT” on the touchscreen.

To return to “DSort” mode from another mode, press “MODE” button, or the mode name on the touchscreen and choose “DSort” mode in sub-menu.

3.8 Count Mode

This mode can be activated by pressing “MODE” button or the “MODE” named touchscreen button, and select “Count” in mode’s sub-menu.

“Count” mode enables users to simply count the total number of bills. It does not recognize or record the denomination of any bills.

To return to “Count” mode from another mode, press “MODE” button, or the mode name on the touchscreen and choose “Count” mode in sub-menu.

3.9 Add Function

This function can be activated by pressing “ADD” button or the function name on the touchscreen. When the “ADD” function is activated, “ON” will be displayed on the home screen.

“ADD” function allows user to count multiple stacks of bills while keeping track of the total amount and value of bills counted. To utilize “ADD” function, load the first stack of bills into the hopper and run the unit as usual. The number and value of the bills will be displayed on the screen. Empty the stacker and add the new stack into the hopper. The unit will continue counting and adding the new values to the totals. Note that Kolibri Signature will not memorize the status of the “ADD” function when turned off.

To deactivate the ADD function, press “ADD” button or the function name on the touchscreen. When the “ADD” function is deactivated, “OFF” will be displayed on the home screen.

3.10 Batch Function

This function can be activated by pressing “BATCH” button or the function name on the touchscreen by choosing desired batch size in sub-menu.

When “BATCH” function is activated, the batch size is displayed on the home screen. “BATCH” function allows users to set a specific target number of bills to be counted. The unit will continue running until the specified target number of bills is reached in the stacker, regardless of whether additional bills remain in the hopper. Upon reaching target batch size the unit will stop and display a “COMPLETE” message along with the number of bills counted. Once the stacker is emptied, the unit will automatically proceed to count next batch. If the hopper runs out of bills before a batch is completed, the unit will display “INCOMPLETE”. User may then add bills to the hopper to complete the batch or remove the incomplete batch from the stacker.

To exit the BATCH function, press the BATCH button. An additional screen will pop up showing the number in the "BATCH AMOUNT" box. Press "CLEAR" button to reset the batch amount to 0 and then press "OK" button. "Off" will be displayed on the home screen.

3.11 Add + Batch Function

"ADD + BATCH" function allows users batching bills while also incrementing the running totals as more bills are added to the hopper, instead of resetting them after each batch. Both the "Add" and Batch functions must be activated at the same time. To exit the "Add+Batch" state, deactivate either "ADD" or "BATCH" function as described in their dedicated sections above.

3.12 Currency Function

"CURRENCY" function allows users to select the type of currency they wish to count. This function can be activated by pressing the "CURRENCY" button or selecting the function name on the touchscreen, then choose from the available currency types —"USD", "CAD", "MXN", "EUR" and "GBP" in the sub-menu. To switch to a different currency type, simply press the "CURRENCY" button again or tap the function name on the touchscreen, and then select the new currency type of your choice from the options provided in sub-menu.

3.12.1 Multi-Currency Function

"MULTI-CURRENCY" function allows users to count a stack of mixed currencies. This function can be activated by pressing "CURRENCY" button or the function name on the touchscreen by choosing "Multi" in sub-menu. The unit can automatically detect and handle up to 5 mixed currencies (USD, CAD, MXN, EUR and GBP) at a time. The total number of bills and total value for each currency will be displayed on the home screen. To exit the "MULTI-CURRENCY" function, press "CURRENCY" button or the function name on the touchscreen and choose another desired currency of choice.

3.12.2 Auto-Currency Function

"AUTO-CURRENCY" function allows users sort and count individual currencies out of stacks of mixed currencies. This function can be activated by pressing "CURRENCY" button or the function name on the touchscreen by choosing "Auto" in sub-menu.

The currency type of the first bill in the hopper determines the sorting and counting currency type for the entire stack. Upon completion of the operation, a detailed report can be accessed by tapping the "REPORT" on the touchscreen. Report of the rejected bills can be viewed by tapping "REJECT" on the touchscreen.

To exit the "AUTO-CURRENCY" function, press "CURRENCY" button or the function name on the touchscreen and choose another desired currency of choice.

3.13 Speed Function

"SPEED" function gives users the ability to modify the counting speed of the unit. To change the counting speed, users can press the "SPEED" button or select the function name on the touchscreen. In the "MIX", "SORT", "DSORT", "FACE", and "ORIENT" modes, recommended speed setting is 800 or 1000 bills per minute. In "COUNT" mode, users have access to a broader range of speed options, including 800, 1000, and 1200 bills per minute.

3. OPERATING MODES & FEATURES

4.1 Report

"REPORT" function is available by pressing the "REPORT" on touchscreen. It provides an on-screen report of the number of bills and the total value for each denomination counted. To exit the report screen, press the "BACK" button or the function name on the touchscreen.

4.2 Serial Number Report

"SERIAL NUMBER REPORT" function is available by pressing "REPORT" and "DETAIL" buttons in submenu. It provides an on-screen report of each bill counted with its serial number and denomination.

To exit the "SERIAL NUMBER REPORT" screen and return to home screen, press "BACK" button or the function name on the touchscreen.

4.3 Reject

The report of the rejected bills can be viewed by tapping "REJECT" on the touchscreen. If a rejected bill is identified by Domino V2 as a suspect bill, the number displayed on the "REJECT" button on the touchscreen will be highlighted in red.

If the number on the "REJECT" button is highlighted in green, it indicates that the bill is valid but was rejected due to a sorting non-conformance (e.g., incorrect denomination, orientation, face or design).

4.3 Rejected Bills Report

This function is available by tapping “REJECT” on the touchscreen. It provides an on-screen report of the rejected bills and the rejection reasons.

Reject Code	Cause
MT	Suspect bill detected by magnetic thread or MG detection issue.
MG	Suspect bill detected by magnetic detection or MG detection issue
UV	Suspect bill detected by ultraviolet detection or UV detection issue.
IR30-IR69	Suspect bill detected by infrared detection or IR detection issue.
DOUBLE	The last counted bill is a double note or double detection issue.
CHAIN	More than one bill passed through the feed gap.
ANGLE	The bill was skewed in the bill path.
IMAGE	Image of the bill not recognized.
UNKNOWN	Currency or denomination was not recognized.
FACE	Face of the bill does not match.
ORIENT	Orientation of the bill does not match.
DENOMI	Denomination of the bill does not match.
FORCE	The bills were rejected due to unit settings (For example “Settings->Old USD” options was set to “Reject”)

Please note that Kolibri Domino V2, like all other integrated detection discriminators on the market, cannot guarantee a 100% accurate counterfeit detection for every single bill regardless of its specific condition. Several factors may cause recognizing a genuine bill as counterfeit or vice versa, including direct sunlight exposure, excessive wear or soiling or highly advanced counterfeiting techniques used to produce the bill. Separate equipment may be required to definitively determine whether a bill is counterfeit or not.

4.4 Print

"PRINT" function becomes operational once a compatible printer is connected. To use this feature, first press the "REPORT" button on the touchscreen, followed by the "PRINT" button.

Printing a serial number report for the last count is also possible. To print a serial number report, it's necessary to have the "SERIAL NUMBER REPORT" function screen open. This screen can be accessed by pressing "REPORT" on touchscreen followed by the "DETAIL" buttons in the sub-menu. Once the appropriate screen is displayed, press "PRINT" button to print the report.

The printer connection port is located on the rear panel of the unit - as shown in section 1.5 Rear View.

Kolibri recommends using Kolibri Thermal Printer KTP-1000 that comes with the required compatible cables.

4.5 Menu

Menu can be accessed by pressing “MENU” button. To navigate and choose desired settings in sub-menu press needed button on the touchscreen.

SUB-MENU	DESCRIPTION
DATE	Sets the date displayed on the home screen and printed reports
TIME	Sets the time displayed on the home screen and printed reports
OLD USD	Accept/reject non-circulation (small portrait) bills
PRINTING	Access printing settings
BEEP	Key beep: beeping that acknowledges user inputs (pressing control panel buttons or items on the touchscreen)
SLEEP	Sets the downtime duration before entering sleep mode
RESET	Resets all settings to their default values
SERVICE	Opens service sub-menu
•CALIBRATION	Access calibration sub-menu
•DETECTIONS	Sets the sensitivity for each detection sensor. Note that the optimum sensitivity values are preset by default.
•USAGE STATS	Displays the total number of bills counted and other usage-related data.
•CIS IMAGE	Displays the last image of the bill run through the unit
•SENSOR DATA	Displays sensor data. Helps to understand which sensor needs attention
•WAVEFORMS	Displays sensor waveforms. Helps to understand which sensor needs attention
•DIAGNOSTICS	Runs diagnostics to check for possible malfunction
ABOUT	Displays hardware and software version information

5. DETECTION FEATURES

5.1 Counterfeit Detection

Kolibri Domino V2 detects counterfeit bills through the following built-in detection systems (all activated by default):

- Ultraviolet Sensor (UV)
- Magnetic Sensor (MG)
- Infrared Sensor (IR)
- Dual Contact Image Sensor (CIS)

When a suspect bill is detected, the unit will display a UV Error, MG Error or IR Error message with instructions on the screen. The suspect bill will not be added to the count.

Please note that not every suspect bill is guaranteed to be counterfeit, regardless of its specific condition.

Several factors may lead to a genuine bill being recognized as counterfeit, or vice versa. These include exposure to direct sunlight , excessive wear or soiling, or highly advanced counterfeiting techniques used to produce the bill. Separate equipment may be required to definitively determine whether a bill is counterfeit.

5.2 Half Note Detection

The Kolibri Domino V2 incorporates image sensors that notify users if a half note passes through the counting mechanism. This feature is activated automatically in all modes.

If the unit detects a half note, it will display a HALF NOTE Error message with instructions on the screen. To clear the error, all bills must be removed from the stacker. To avoid miscount, bills need to be recounted.

5.3 Double Note Detection

Bills may stick to one another due to excessive soiling, folding or various other reasons. Kolibri Domino V2 uses infrared sensors (IR) to determine whether two bills are stuck together. This feature is active automatically in all modes.

5.4 Chain Note Detection

Kolibri Domino V2 utilizes an automatic self-checking system that identifies when two or more bills are fed through simultaneously. This function is active automatically in all modes.

If the unit detects a chain error, it will display a CHAIN Error message with instructions on the screen. To clear the error, all bills must be removed from the stacker. To avoid miscount, bills need to be recounted.

5.5 Contact Image Sensor

Kolibri Domino V2 utilizes dual Contact Image Sensor (CIS) for bills denomination and serial number recognition and is heavily used in Mix, Sort, DSort, Face, Orient and VSort modes.

6. MAINTENANCE AND TROUBLESHOOTING

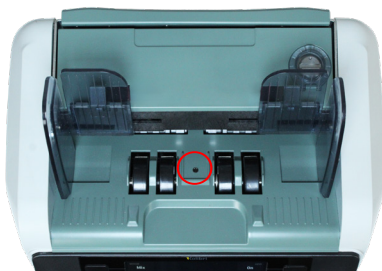
6.1 Maintenance

ATTENTION: Always turn off the unit and disconnect from power source before cleaning.

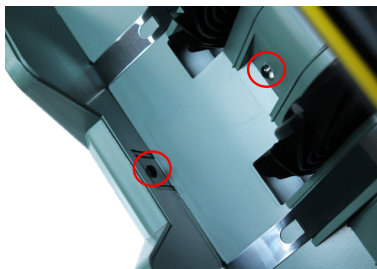
Regular care and preventive maintenance are crucial for extending the lifespan of Kolibri Domino V2 and preventing most operational issues. It's important to avoid using metal clips, staples, or rubber bands with the bills being counted. Adhering to the correct procedures for loading the hopper (as detailed in section 2.2, "LOADING THE HOPPER") and adjusting the feed gap (as outlined in section 6.2, "FEED GAP ADJUSTMENT") is essential. For optimal results, an air duster and a soft bristle brush should be used to clean any dust or debris from the unit's interior.

Dirty sensors can impair the unit's functionality and lead to the rejection of genuine bills. Therefore, conducting maintenance on a weekly basis is recommended to ensure the unit performs at its best.

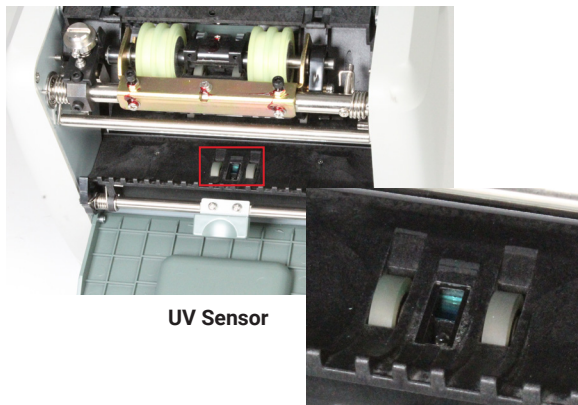
- Regularly clean the unit to prevent malfunctions that can be caused by foreign objects.
- Frequently clean the sensors, as illustrated in the diagrams in following pages, using the included soft bristle brush or a dry cloth.
- The rubber rollers can be cleaned with a cloth that is slightly dampened with a small amount of isopropyl alcohol. Ensure the rollers are fully dry before turning on the unit.



Hopper Sensor



Stacker Sensors



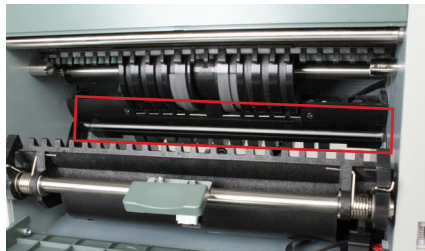
UV Sensor



MG Sensors

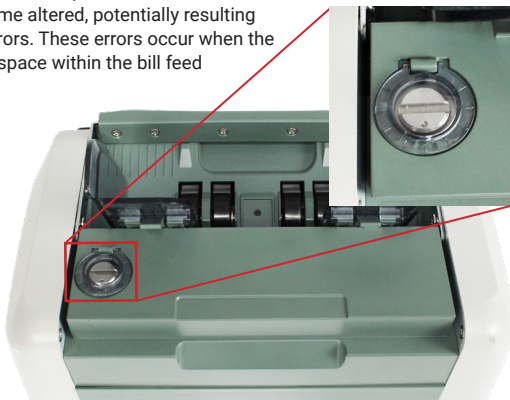


CIS Sensors (lines)



6.2 Feed Gap Adjustment

During transportation or the normal course of operation, the feed mechanism's adjustments might become altered, potentially resulting in errors such as DOUBLE or CHAIN errors. These errors occur when the occur when the feed gap, which is the space within the bill feed path, is improperly set. Ideally, this gap should be equivalent to the thickness of a single bill. A feed gap that is too large can cause a significant increase in DOUBLE and CHAIN errors, as it allows multiple bills to be fed into the scanning path simultaneously. Conversely, a too narrow feed gap can prevent bills from entering the scanning path or may cause the mechanism to catch and tear the bills.



The following steps are the procedure for adjusting the feed gap:

1. Make sure unit is powered off before proceeding.
2. Find the feed gap adjustment knob located on the top panel (as shown on the diagram to the right).
3. Turn the knob clockwise or counterclockwise, as follows:
 - 3.a. If more than one bill is being pulled through the bill feeder at a time (causing Double and/ or Chain errors), tighten the feed gap by turning the knob counterclockwise (towards the "-" mark).
 - 3.b. In case of Chain errors or bill jamming, loosen the feed gap by turning the knob clockwise (towards the "+" mark).
4. Test the unit.
5. Repeat if necessary.

6.3 Calibration Procedure

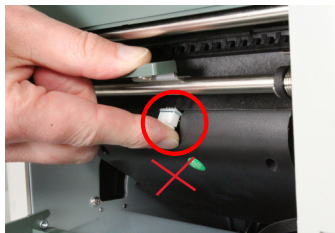
The contact image sensor (CIS) and infrared sensors (IR) within the unit are precisely calibrated at the factory. However, with regular use, the sensor's sensitivity may alter, potentially causing False errors. To address this, the unit can be re-calibrated using the white calibration card (white laminated paper) provided with the product.

Please follow the steps to calibrate the sensors:

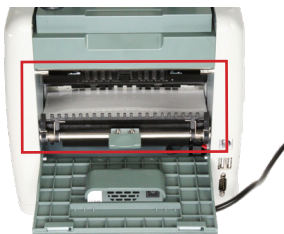
1. Make sure the unit is turned on.
2. Use the control panel to navigate by pressing "MENU" then select "SERVICE" buttons. When prompted, enter the password "0922", followed by selecting "CALIBRATION."
3. Rotate the unit to gain access to its rear. Pull the back door handle to get access to sensor blocks. When inside, push the green plastic latch down to get access to upper and lower sensor block with CIS sensors.



Note: When You open the sensors block, avoid pressing this part of panel



4. Put provided laminated calibration card between two sensor blocks. Bring the lower sensor block back to its initial position by lifting the lower sensor block. Make sure the lower sensor block is hooked back properly. With the calibration card in place, securely close the back panel door. Do not remove the calibration card at this stage.



5. Press “START” button or the function name on the touchscreen to begin the calibration process.
6. Upon seeing the “CIS Calibration Successful!” message, turn off the unit, reopen the back panel door, and carefully remove the calibration card.
7. Turn the unit on.

6.4 Troubleshooting

Issue/Error Message	Procedure/Cause	Reference
Unit does not turn on	1.Ensure the power cord is plugged in. 2.Check the fuse and replace if damaged (under the power inlet).	If the problem persists, refer to section 6.6 "CONTACT INFORMATION" to contact Kolibri technical service center for additional support.
Motor rollers do not rotate	Turn off the unit and remove any jammed bills or foreign objects.	
Motor/rollers keep keep spinning	1.Ensure the sensor blocks are properly closed. 2.Turn the unit off/on.	
Unit does not detect counterfeit bills	1.Make sure the unit is not in COUNT mode (detections are disabled). 2.Clean ALL sensors (ref. section 6.1 "MAINTNANCE"). 3.Calibrate the unit (ref. section 6.3 "CALIBRATION PROCEDURE"). 4.Check sensors detection level (Menu->Service-> Detections)	Remove all bills from the stacker and the reject pocket. Recount. If excessive errors occur, ensure: 1. Bills are loaded correctly (ref. section 2.2 "LOADING THE HOPPER"). 2. The feed gap is adjusted fittingly (ref.section 6.2 "FEED GAP ADJUSTMENT"). 3. The sensors are clean (ref section 6.1 "MAINTENANCE"). 4. The unit is calibrated (ref section 6.3 "CALIBRATION PROCEDURE"). If the problem persists, refer to section 6.6
Bill jams or rough bill feed	1.Turn OFF the unit and remove any objects from the bill path. 2.Clean the sensors (ref. section 6.1 Maintenance). 3.Adjust the feed gap (ref. section 6.2 Feed Gap Adjustment).	

(continued):

Issue/Error Message	Procedure/Cause	Reference
	4. Load bills correctly (ref. section 2.2 Loading the Hopper).	"CONTACT INFORMATION" to contact Kolibri technical service center for additional support.
Inaccurate counting	1. Ensure bills are correctly stacked in the hopper. 2. Adjust the feed gap (ref. section 6.2 "FEED GAP ADJUSTMENT"). 3. Clean ALL Sensors (ref. section 6.1 "MAINTENANCE")	1. Bills should be loaded into the hopper correctly (ref. section 2.2 "LOADING THE HOPPER"). 2. The feed gap needs adjustment (ref. section 6.2 "FEED GAP ADJUSTMENT").
Hopper sensor error	1. Ensure the hopper sensor is not covered. 2. Clean the hopper sensor.	The sensors should be cleaned (ref. section 6.1 "MAINTENANCE").
Stacker sensor error	1. Ensure the stacker sensor is not covered. 2. Clean the stacker sensor.	
Main motor error	Motor problem or speed sensor damaged.	Technical support is required. Contact Kolibri technical service center (ref. section 6.6 "CONTACT INFORMATION").
Back door open	The back door is not securely closed.	Ensure the back door is closed. Press "START" button to continue.

6.5 Warranty

To activate your warranty in the USA, please register your product online by visiting www.KolibriUSA.com/warranty-registration.



Kolibri Domino V2 is warranted for a period of three years from the date of purchase. In most cases, a malfunction can easily be resolved by cleaning the unit. Please refer to section 6.1 "MAINTENANCE" for directions.

Non-Warranty Service:

KolibriUSA can perform maintenance and cleaning for an extra fee. For a non-warranty repair or maintenance quote, contact KolibriUSA technical service at www.KolibriUSA.com/support.



Shipping:

The warranty covers the shipping cost to KolibriUSA technical service center only during the initial 30 days from the purchase date.

6.6 Contact Information

Technical Support Contact Information:

Email: support@kolibriusa.com

Phone: 1-866-710-9980

Please be prepared to provide the following information when you contact KolibriUSA technical service center:

- Product Model – Located on the back of the unit.
- Serial Number – Located on the bottom of the unit.
- Description of the Problem: What happened, and when did it happen?
- What error messages did the unit display (if any)?
- Steps Taken: Steps already taken to resolve the problem, and the results (if any)?



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