Vantage™ Series Bill Acceptor

Installation & Operation Guide

Vantage™ Components

- Cash Access Lid
- Cashbox
- Harness Connection (non-MDB)
- Harness Connection (MDB)
- Quick Release Bezel Tab
- Cashbox Release
- Front Cover
- Inlet Bezel
- Impulse Lighting / Smart Bezel™ Lights
- Bill Inlet LEDs
- Quick Release Bezel Tab
- Data Port
- Data Port Cover
- Diagnostic Indicator LED
- Service Mode Button

Figure 1
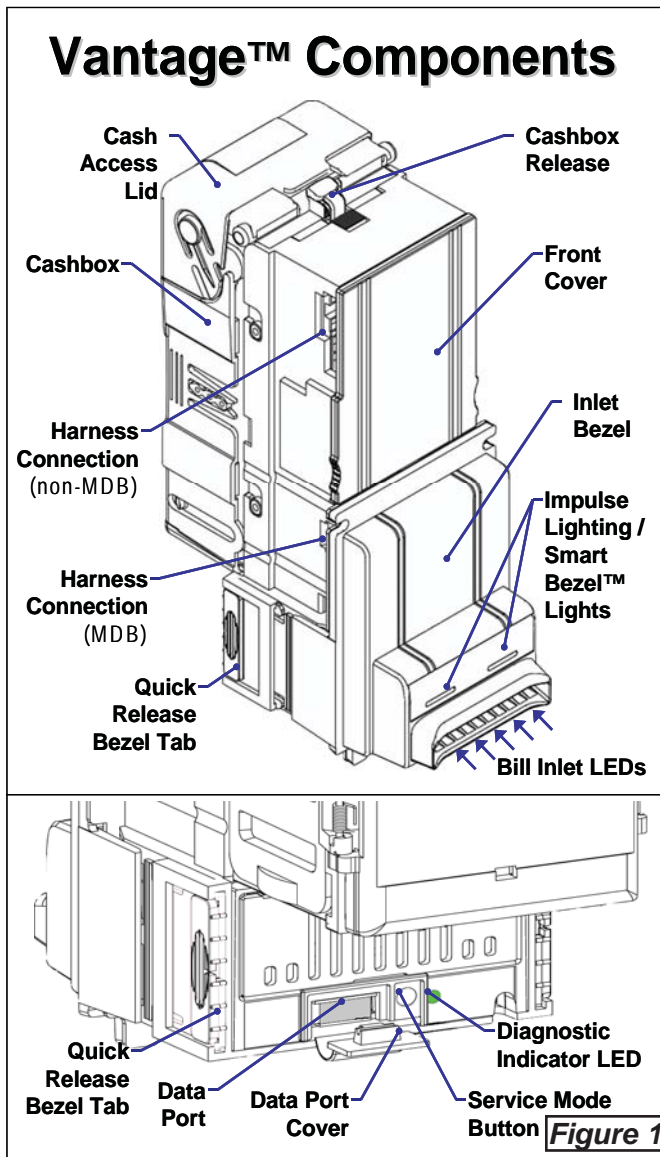
Bill Acceptance

Model	Bill Width	$1	$5	$10	$20	$50	$100
Vx**6**xxx**2** US	66mm	✔	✔				
Vx**6**xxx**4** US		✔	✔	✔	✔		
Vx**6**xxx**6** US		✔	✔	✔	✔	✔	✔
Vx**7**xxx**3** CA	72mm		✔	✔	✔		
Vx**7**xxx**5** CA			✔	✔	✔	✔	✔

Introduction

The Vantage™ Series bill acceptors represent another milestone in Coin Acceptors, Inc. history of innovation. These advancements continue to provide Coinco customers with improved reliability, simplified route operations, and increased profitability.

Product Overview and Features

The Vantage acceptor incorporates a wide range of benefits, including:

- Quick-Release bezel speeds installation and removal.
- Optional FlexStack™ bill box expands from 200 bills to hold up to 500 bills. Fixed note bill boxes are available with between 300 and 1100 note capacities.
- Illuminated bezel and status indicators simplify setup and troubleshooting.
- Patented note path lockout provides high security Level Three stringing and fishing protection.
- Smart Bezel™ (optional) actively communicates ability to accept $5 bills.

For Your Records

A label indicating the model number and serial number can be found on the left side of the Vantage bill acceptor. Refer to the model number and serial number whenever you call your Coinco Service Center for information or service.

The first four digits of the bill acceptor serial number indicate when the unit was built, which is also the beginning of the warranty period:

- First two digits: indicate week of manufacture.
- Third and fourth digits: indicate the year.

For example, Serial number 1508000123 indicates the unit was manufactured in the 15th week of 2008.

Input Power and Interfaces

Model #	Voltage	Hertz	Amps	Interface
V**A**x**1**	110VAC	60Hz	0.7A rms (max)	Amusement Pulse, Vend Serial
V**L**x**1**	110VAC	60Hz	0.7A rms (max)	Pulse, Parallel, Vend Serial
V**L**x**2**	24VAC		2.5A rms (max)	Pulse, Parallel, Vend Serial
V**X**x**3**	34VDC	NA	1.8A (max)	MDB

Unpacking the Bill Acceptor

After removing the bill acceptor from the shipping carton, inspect it for possible damage. If the unit is damaged, notify the shipping company immediately. The consignee (person or company receiving the unit) can file a claim against the carrier for shipping damage. We recommend you keep the original carton and packaging materials to reuse if you need to transport or ship the bill acceptor in the future.

If the bill acceptor is being stored or used as a spare, always keep it in its shipping carton when not in use. This will keep it clean and offer the best protection for the unit

☑ Option Switch Configuration

See Figure 2. Note this step is not necessary for MDB only models.

Option / Dip Switch Settings

Note: There are no switches on MDB only models.

ON ⇐

1 2 3 4 5 6 7 8

⇒ OFF

Pulse Timing	Switch 1	Switch 2
50 / 50mS	ON	ON
150 / 150mS	ON	OFF
Custom	OFF	ON
Parallel (Credit Line)	OFF	OFF

	ON	OFF
Switch 3	4 Pulse / $	1 Pulse / $
Switch 4	Always Enabled	Host Enabled
Switch 5	Serial	Pulse
Switches 6 - 8	Reserved	

Note: "Custom" has a default setting of 200 / 200mS but can be reconfigured for a different timing. Please contact your Coinco Sales Rep for more information.

Figure 2

☑ Installing the Bill Acceptor

1. Remove power from the host machine. 🚫 DO NOT connect the bill acceptor harness to the machine with power connected.
2. Install the bill acceptor into the host machine using the mounting studs and hardware in the machine. To simplify installation, see Figure 3.
3. Install / connect the proper interface harness to the host machine.
4. Restore power to the machine.
5. The illuminated bill inlet will begin to flash and the stacker motor will cycle upon power-up. If this does not occur, check the wiring harness connections and make sure power is applied.
6. Check the Vantage diagnostic LED to verify it is green and ON continuously. If it is not, you can troubleshoot based on the status shown on the cashbox decal or Figure 4.
7. With the vend price set below one dollar, insert a one dollar bill.
8. Verify credit has been established.
9. Check the bill box to see that the one dollar bill was properly stacked.

Quick Release Bezel Operation
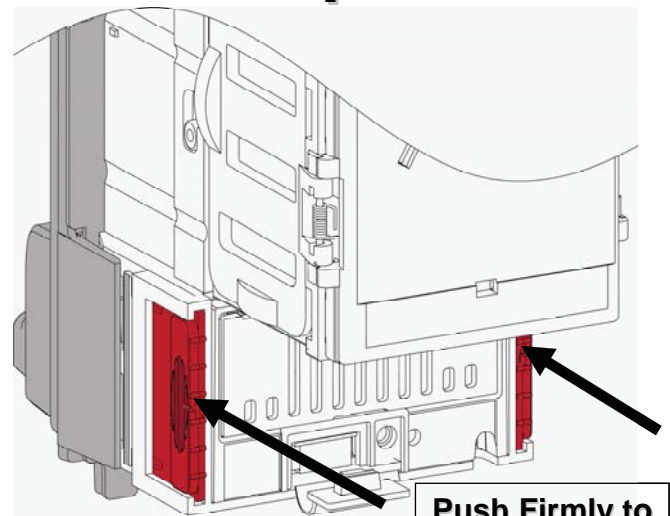
**Push Firmly to Release Bezel**

Figure 3

1. Push firmly on Quick Release Tabs using a screwdriver tip. Tabs will move towards bezel and latch.
2. Once both tabs are latched, the bill acceptor will separate from the bezel.
3. To reattach, push bill acceptor body firmly onto bezel until it locks.

Figure 4: Diagnostic Flash Codes

Flash Code		Validator Status
Operational	GRN (solid)	Sales Mode / OK
	GRN x 1	Coupon Teach *
	GRN x 2	Service Mode
Warning	YEL x 1	Clean Unit
	YEL x 2	Service Unit
Out of Service	RED x 1	Cashbox Full
	RED x 2	Clear Bill Path
	RED x 3	Out of Service

*: *See Service Manual for more info on Coupon Teach.*

Diagnostic Indicator LED
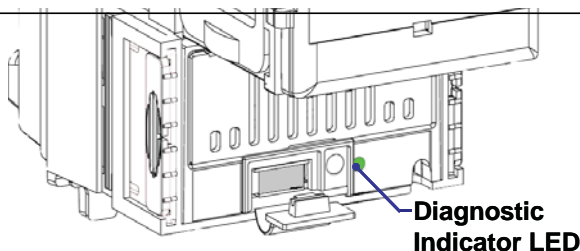
☑ Configuring Bill Acceptance and Other Acceptor Options

See Figure 5 for how to enter, navigate, and set bill acceptance and other options in Configuration Mode. Figure 6 shows the four "pages" of bill acceptance options.

Several of the configuration setting options bear further definition:

- **Coupon Acceptance:** Enables or disables acceptance of all user-loaded coupons. If this is set to "OFF", no coupons will be accepted.
- **Smart Bezel:** (default on VXxxx2 and VLxxx2 models) Enables the communication of which bills are being accepted by the bill acceptor. See Figure 7.
- **Impulse Lighting:** Illuminates the upper blinking lights on the bezel. Turning off this option leaves only the lower inlet lights illuminated.

- **High Security vs. Standard Security Bill Acceptance:** The default Standard Security setting (OFF) accepts 95+% of genuine street-grade bills. High Security mode is recommended for locations with a higher risk of frauds.
- **1-Way / 2-Way / 4-Way:** Defines the number of bill orientation directions that the bill acceptor will accept. The first two are face-up only, the last is all 4 possible orientations (default).
- **Level 3 Security:** Recommended for higher risk environments. Provides additional level of security against stringing and fishing attempts. With Level 3 Security, the rest position of the bill stack pushplate blocks access to the billpath.

To Configure Options

#	Action	Mode	Diagnostic Light
1.	(SERV) Hold button until Diagnostic LED flashes.	Service	GRN x 2
2.	Remove Lower Housing	Config	OFF
3.	Set Options As Desired *(see Options Navigation below)*	Config	OFF
4.	Re-install Lower Housing. Inlet LEDs flash 5 times confirming options are saved.	Sales or Ready	GRN
5.	Test Unit to Ensure Proper Setup.		

Options Navigation

(SERV) Press once	Scrolls to **next set** of options within current Page.
(SERV) Hold for next Page	Scrolls to **next Page** of options.

(SERV) **Service Mode Button**

Diagnostic Indicator LED
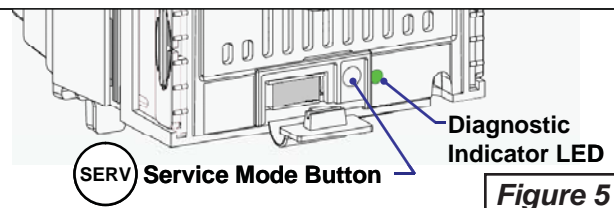
Figure 5

☑ Smart Bezel™ Options
See Figure 7. Feature not available on all models.

Configuration Settings

| ON | Inlet LED On: Option Enabled | OFF | Inlet LED Off: Option Disabled |

Page 1 — Bill Acceptance

Bill Inlet LEDs

$1 $5 $10 $20   Page 1 *(Flash x1)*

Page 2 — Coupons / Security / Bezel Lights

Bill Inlet LEDs

Coupons   High Security   Impulse   Smart Bezel™   Page 2 *(Flash x2)*

Page 3 — Bill Acceptance / Orientation

Bill Inlet LEDs

1-Way   2-Way $50 $100   Page 3 *(Flash x3)*
4-Way (both)

Page 4 — Level 3 Security

Figure 6

Bill Inlet LEDs
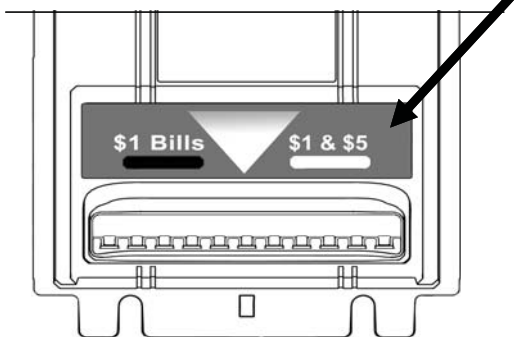
Level 3 Security   ← Reserved →   Page 4 *(Flash x4)*

Smart Bezel™

Communicates to Customer Which Bills Are Accepted

Feature not available on all models

Figure 7

Denotes acceptance of both $1 and $5 bills.

$1 Bills $1 & $5

- **$1-$5 Is Lit When**: *Both bills accepted and change can be made for them.*
- **$1s Only Is Lit When**: *Change can only be made for $1 bills.*

Note: For correct operation, make sure $1 and $5 bills are enabled (see Configuration Settings).

Vantage™ Cleaning and Maintenance

Note: Electrical power must be disconnected from the bill validator before performing any cleaning operations.

Recommended Cleaning Material

A mild solution of detergent can be used for cleaning the belts, bill path and sensor lenses, as well as for general cleaning of the bill validator. Beverages or other water-soluble liquids which have been spilled on or into the bill validator can usually be removed with warm soapy water. External surfaces can be cleaned with a damp cloth.

Note: Petroleum-based cleaners and freon-based propellants can damage plastic and some electronic components. Scouring pads and stiff brushes may harm circuit boards and can mar the plastic. These items should never be used to clean the bill acceptor.

Cleaning the Vantage

The Vantage should be cleaned every 20,000 bills or every two years (or as needed, depending on the environmental conditions of the location). Dust can be removed with a soft brush or cloth or it can be blown out using compressed air.

Coin Acceptors, Inc.
U.S World Headquarters
300 Hunter Ave.
St. Louis, MO 63124-2013
1.800.325.2646

Coin Acceptors, Inc.
Canadian Headquarters
1-435 Four Valley Drive
Concord (Toronto), Ontario
LK4 5X5 Canada
1.800.387.9300

www.coinco.com