

# BackLoad Validator

*A new flexible approach to your payment solution needs. CashCode's BackLoad series bill validators are the most versatile, reliable, high-performance bill validators on the market.*



- ▶ 1.7 sec. validating speed
- ▶ Up stack, down stack or horizontal models
- ▶ Multiple cassette sizes



CashCode's BackLoad Validator is the perfect solution for multi-country currency validation. The BackLoad is typically front door mounted in the host machine. Offering either stacker up or stacker down mounting configurations, the BackLoad is ideal for Vending, Amusement and Parking applications and even comes in a solar power optimized version.

Selecting the right interface for your 12V or 24V application is made easy with the flick of a switch. And you can choose a unique coin/vandal-resistant metal bezel or a standard bezel—both include built-in self diagnostic flash code indicators. Our auto-calibrating/auto-tuning feature, ensures every time a bill is inserted, the BackLoad self-calibrates and self-tunes, eliminating the need for optical adjustments and calibration papers.

**Advanced Sensor Technology.** The BackLoad bill validator is designed to provide maximum authentic currency validation. Multi-color optic sensors simultaneously scan both sides of the bill for optimal pattern recognition. A patented, non-contact inductive sensor maximizes counterfeit detection; and a scientifically developed dielectric sensor detects paper density, security threads and watermarks. The result? A validation rate of 96% or greater on first bill insertion—just what you'd expect from the industry leader in patented bill validation technology.

**Versatility.** Ideal for door-mounted applications, the BackLoad bill validator installs in an up or down stacking configuration, and is available with coated circuit boards for "salting" protection.

**Battery / Solar Power Optimized.** CashCode's 12V MDB BackLoad version with sleep mode allows Solar Powered pay and display terminals and/or vending machines to be installed virtually anywhere. The BackLoad Validator runs with only minimal power during sleep mode. 10µA vs 100 – 200 mA in normal operation. Reduced power results in less batteries being replaced and fewer service calls being placed.

**BlueChip™.** Validation software updates are now quick and easy with CashCode's BlueChip™ smart-stick memory that updates software and/or firmware in a flash.

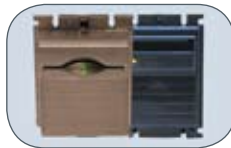
**Lockable-Removable Cassettes.** Designed to protect your bottom-line, our high-security, lockable-removable metal cassettes are sold separately, and can be equipped with up to three custom locks.



# BackLoad Validator



*Flash Memory with Smart Stick allows to quick and easy currency updates.*



*Choice of bezels. Standard, with running lights and even metal tamper & weather proof.*

## Features

- ▶ Superior acceptance and security
- ▶ Four-way bill insertion
- ▶ Complete transport cycle at only 1.7 seconds
- ▶ Installs in an up or down stacking configuration
- ▶ Advanced auto-calibrating optical, inductive and dielectric sensors optimize validation rates
- ▶ Beltless transport system lowers maintenance costs
- ▶ Secure lockable-removable cassettes available in multiple capacities
- ▶ Anti-stringing protection
- ▶ Tool-free, one-step, easy service access

## Convenience for You and Your Customers

- ▶ Highest first pass acceptance 96+%
- ▶ Locking cash vault option for loss prevention
- ▶ High impact resistant cash vault
- ▶ Durable, metal chassis
- ▶ Remote upgradeability using CCNet protocol
- ▶ Quick and easy diagnostics via LED indicator

## BackLoad Specifications

Bill Width Validated	67 or 71 mm wide (fixed-width) 62 - 78 mm wide (multi-width)
Complete Transport Cycle	1.7 sec (fixed-width) 2.5 sec (multi-width)
Bill Insertion	Four-way
Validation Rate	96% or higher
Escrow	One bill
Sensors	Auto-calibrating multi-color optical, dielectric, inductive, and barcode reader
Security Sensors	Cross-channel (anti-stringing) and dual-entry
Bezel Options	Standard, Running lights, coin/vandal-resistant metal bezel
Interfaces Supported	12V: pulse, serial or bi-directional (with TTL or RS232)
Protocols	24V: MDB, single price*, CCNet, CashCode serial, MDB, pulse, and most other industry protocols
Firmware Updates	BlueChip™ Smart-Stick memory or downloadable
Operating Voltage	2V DC: 2.0 A; 24V AC or 15-42.5 V DC: 1.0 A / Sleep mode version-10µA vs 100 – 200 mA in normal operation
Operating Temperature	12V: 0° C to 50° C; 24V: -18° C to 60° C
Validation M.T.B.F.	750,000 cycles
Dimensions (W x H x D)	104 x 266 x 87mm
Weight	< 1.2 kg
Cassette Sizes Available	400, 600 or 1500 (fixed-width); 150, 300 (horizontal); 300, 600, 1000 (multi-width)
Cassette Options	Standard: up to two custom locks High-security Gaming: up to three custom locks
Manufactured in	Canada
Warranty	Two years