# *Software Information Sheet*

JCM American Corporation     TEL +1-702-651-0000
JCM Germany GmbH     TEL +49-211-530645-0
JCM Gold (H.K.) Ltd.     TEL +852-2429-7187
JCM United Kingdom Ltd.     TEL +44-870-770-2863
Japan Cash Machine Co., Ltd. (Headquarters – Japan)     TEL +81-6-6703-8405

# General Information

| Model Name: | DBV-200-SS | | | SW. Req. No. | | C17-179 | A0626 |
|---|---|---|---|---|---|---|---|
| SW. Name: | DBV-200(USA)-SS ID-022/023 | | | Date: (mm,dd,yyyy) | | 09.15.2005 | Rev: C1 |
| SW. Version: | V2.60-04-03 | | | Note: | | **IGT only** | |
| Country (Code): | United States of America (USA) | | | Guide: | | None | |
| Currency: | Dollar | | | Check Sum: | | 65BE | |
| | | | | Kobetron ID: | | 8U04 | |
| Direction: | 4-Way | | | CRC (seed= 0000): | | 63CC | |

| Denomination: Years & MRI Ident # | Denomi. | Printed | Issued | MRI# |
|---|---|---|---|---|
| | 1 | '95, '99, '01, '03 | - | #443 |
| | 5 | '93, '95, '99, '01, '03 | - | #444, #491, #499 |
| | 10 | '93, '95, '99, '01, '03, '04 | - | #445, #486, #500, #514 |
| | 20 | '93, '95, '96 '01, '04 | - | #446, #487, #501, #515 |
| | 50 | '93, '96, '99, '01, '04 | - | #447, #488, #502, #516 |
| | 100 | '93, '96, '99, '01, '03 | - | #448, #495, #503 |

| Barcode Ticket: | Accepts JCM specified barcode tickets. |
|---|---|
| EPROM: | 4 Mbit, 90 nano-second data access, or faster. ST Part M27C4001-90 or equivalent |
| Modifications: | |

**(Version 2.50-04-03 → 2.60-04-03)**
- **Banknote Recognition:** Added Next Generation $10 banknotes.
- **Banknote Recognition:** Improved acceptance rates for; $20('04) and $50('04) banknotes.

**(Version 2.40-04-03 → 2.50-04-03)**
- **Banknote Recognition:** Added Next Generation $50 banknote recognition (2004 series).
- **Banknote Recognition:** Added more 2004 series $20 banknote data. (Improved recognition).

**(Modifications Since Previous Version 2.33-04-02)**
- **Banknote Recognition:** Added Next Generation $20 recognition.
- **Banknote Recognition:** Added more 2001 series $50 data. (Improved recognition).

**(Modifications Since Previous Version 2.32-04-02)**
- **Machine Operation:** ID-022B / ID-023B related change: The DBV is now programmed to remember if a barcode ticket was inserted and the "Stack" message was received from the Bally GMU. If power is lost after the "Stack" message is received. Upon receiving power, the DBV will stack a barcode ticket found in the bill path.
- **Banknote Recognition:** Improved detection of $10 counterfeit bills.

**(Modifications From Previous Version 2.30-04-02)**
- **Interface:** ID-023B interface: Escrow timeout value change from 15 seconds to 30 seconds.
- **Banknote Recognition:** Improved recognition of 1999 series $100 bills.

| Modifications Cont: | **(Modifications From Previous Version 2.12-04-02)** |
|---|---|
| | • **Banknote Recognition:** Added data to improve acceptance of all new style bills. ($5, 10, 20, 50, 100). |
| | • **Barcode/Machine Operation:** The bar sensor will be used to read barcode tickets only now. Before, it was used for both currency and barcode tickets. |
| | • **Machine Operation:** The auto-calibration method has been modified and will appear a little bit different. It has been improved: (1) As a final step, the reference paper is drawn completely into the head and the front sensors adjusted without paper. (2) If the bill validator fails to calibrate correctly, the reference paper will be held by the validator head. (3) Reference paper is held a little longer. This will allow LED's to adjust longer and achieve better stability. |
| | • **Banknote Recognition:** Improve acceptance of new $10 bills with cut variations. (Pattern is close to the edge of the bill). |
| | • **Machine Operation:** When new software is loaded into the bill acceptor, acceptance rate data stored in RAM will automatically be cleared upon the next power up event. |
| | • **Barcode Sensor:** In version 2.05, a feature that automatically adjusts the bar sensor level if it is too low was added. With version level 2.30, the software is also capable of returning to the original set value if necessary. |
| | • **Machine Operation:** In version 2.05, red LED's were turned off while the bill acceptor was idling. With version level 2.30, the LED's are partially turned on so that they are "warmed up " and ready for use. |
| | • **Barcode Sensor:** The bar sensor is no longer used for length measurements. |
| | • **Machine Operation:** If the bill validator detects a 'Cheat' case, it will disable itself and change to Abnormal status. |
| **Memo:** | • Add new feature of external INHIBIT input signal (hi/low is selected with Pin#2 of 14-pin connector) |
| | • Low: Disable (Diagnostic LED OFF) |
| | • High: Enable |

# Dip Switch Settings

| # | Dip Switch 1 | | |
|---|---|---|---|
| | | | |
| **1** | OFF | 1 | ENABLE |
| | ON | 1 | DISABLE |
| **2** | OFF | 5 | ENABLE |
| | ON | 5 | DISABLE |
| **3** | OFF | 10 | ENABLE |
| | ON | 10 | DISABLE |
| **4** | OFF | 20 | ENABLE |
| | ON | 20 | DISABLE |
| **5** | OFF | 50 | ENABLE |
| | ON | 50 | DISABLE |
| **6** | OFF | 100 | ENABLE |
| | ON | 100 | DISABLE |
| **7** | OFF | Setting OFF | |
| | ON | Setting OFF | |
| **8** | OFF | Setting OFF | |
| | ON | Setting OFF | |
| **9** | OFF | With out Ball System | |
| | ON | With in Ball System  (ID-02xB) | |
| **10** | OFF | ID-023 I/F | |
| | ON | ID-022 I/F | |

| # | | Dip Switch 2 |
|---|---|---|
| 1 | OFF | Setting OFF |
| | ON | Setting OFF |
| 2 | OFF | Setting OFF |
| | ON | Setting OFF |
| 3 | OFF | Setting OFF |
| | ON | Setting OFF |
| 4 | OFF | Setting OFF |
| | ON | Setting OFF |
| 5 | OFF | Setting OFF |
| | ON | Setting OFF |
| 6 | OFF | Setting OFF |
| | ON | Setting OFF |

# ID-022/023 Data Setting Specification

## ID-023 I/F

**CREDIT PULSE**

| Denomination | Pulse |
|---|---|
| **$1** | **1** |
| **$5** | **5** |
| **$10** | **10** |
| **$20** | **20** |
| **$50** | **23** |
| **$100** | **25** |

## ID-022 I/F

**CREDIT PULSE**

| Denomination | Pulse |
|---|---|
| **$1** | **0** |
| **$5** | **2** |
| **$10** | **3** |
| **$20** | **4** |
| **$50** | **6** |
| **$100** | **7** |

## ID-023B I/F

**CREDIT PULSE**

| Denomination | Pulse |
|---|---|
| **$1** | **1** |
| **$5** | **5** |
| **$10** | **10** |
| **$20** | **20** |
| **$50** | **23** |
| **$100** | **25** |
| **Ticket** | **18Byte(ASCII)** |

## ID-022B I/F

**CREDIT PULSE**

| Denomination | Pulse |
|---|---|
| $1 | 0 |
| $5 | 2 |
| $10 | 3 |
| $20 | 4 |
| $50 | 6 |
| $100 | 7 |
| Ticket | 18Byte(ASCII) |