

Software Information Sheet



JCM American Corporation
 JCM Europe GmbH
 JCM Gold (H.K.) Ltd.
 J-Cash Machine (Thailand) Co., Ltd
 Japan Cash Machine Co., Ltd. (Headquarters – Japan)

TEL +1-702-651-0000
 TEL +49-211-530645-0
 TEL +852-2429-7187
 TEL +66-2712-3155-6
 TEL +81-6-6703-8405

General Information

Model Name:	EBA-30/34-SD3				SW Req. No.	C15-1124-01	G15-506	
SW. Name:	EBA-30(EUR5)-SD3 ID-003				Date: (mm,dd,yyyy)	11.26.2015	Rev:	A1
SW. Version:	V5.24-17				Note:			
Country (Code):	European Union(EUR)				Guide:			
Currency:	Euro				Check Sum:	6BE5		
Direction:	4Way (A,B,C,D)				CRC (seed= 0000):	48E8		
Denomination:	Denomi.	Printed	Issued	MRI#	Denomi.	Printed	Issued	MRI#
Years & MRI Ident 82 nd	5	'02	'02	EUR5.1	20	'15	'15	EUR20.2
	5	'13	'13	EUR5.2	50	'02	'02	EUR50.1
	10	'02	'02	EUR10.1	100	'02	'02	EUR100.1
	10	'14	'14	EUR10.2	200	'02	'02	EUR200.1
	20	'02	'02	EUR20.1	500	'02	'02	EUR500.1
Acceptance Rate:	No less than 90%							
EPROM:	8 Mbit, 100 ns data access, or faster. ST Part M27C801-100F1 or equivalent							
Modifications:	V5.23-14 → V5.24-17							
Validation:	1. Added countermeasures against EUR20.1 HF notes							
Operation:	2. Fixed an issue with [PowerUp with bill in Stacker] on some units when using SD3 stacker							
Interface:	3. Fixed an issue where EBA3x doesn't report a reject after [ACCEPTING]							
Memo:								

Dip Switch Settings

#	Dip Switch 1		Dip Switch 2
1	OFF	Setting Off	Without SD3 operation
	ON	Setting Off	SD3 operation
2	OFF	5 ACCEPT	Disable optional key switch
	ON	5 INHIBIT	Enable optional key switch
3	OFF	10 ACCEPT	Setting Off
	ON	10 INHIBIT	Setting Off
4	OFF	20 ACCEPT	Setting Off
	ON	20 INHIBIT	Setting Off
5	OFF	50 ACCEPT	Without double paper payout detection
	ON	50 INHIBIT	With double paper payout detection
6	OFF	100 ACCEPT	EUR50.1 Standard Mode
	ON	100 INHIBIT	EUR50.1 High Acceptance Mode
7	OFF	200 ACCEPT	Setting Off
	ON	200 INHIBIT	Setting Off
8	OFF	500 ACCEPT	Setting Off
	ON	500 INHIBIT	Setting Off

ID-003 Data Setting specification

VERSION DATA

SW. Version	E(EUR5)-30-SD3 ID003-05v524-17 26NOV15 48E8
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ESCROW DATA

Code	Denomination
61h	Reserved
62h	5
63h	10
64h	20
65h	50
66h	100
67h	200
68h	500

CURRENCY ASSIGN DATA

Code	Country	Denomi	Exp.
61h	00h	00h	00h
62h	E0h	05h	00h
63h	E0h	0Ah	00h
64h	E0h	14h	00h
65h	E0h	32h	00h
66h	E0h	0Ah	01h
67h	E0h	14h	01h
68h	E0h	32h	01h

ENABLE/DISABLE DATA

DATA bit	Data 1	Data 2
0	Reserved	Reserved
1	5	Reserved
2	10	Reserved
3	20	Reserved
4	50	Reserved
5	100	Reserved
6	200	Reserved
7	500	Reserved

0: Enable 1: Disable (Default: **01FFh**)

SECURITY DATA

DATA bit	Data 1	Data 2
0	Reserved	Reserved
1	5	Reserved
2	10	Reserved
3	20	Reserved
4	50	Reserved
5	100	Reserved
6	200	Reserved
7	500	Reserved

0: Normal 1: Security Level high (Default: **0000h**)

DIRECTION DATA

DATA bit	Direction	Sample: 10 EURO
0	'A' Direction	
1	'B' Direction	
2	'C' Direction	
3	'D' Direction	
4	Not used	
5	Not used	
6	Not used	
7	Not used	

0: Not Inhibit 1: Inhibit (Default: **00h**)

OPTIONAL FUNCTION DATA

DATA bit	Data 1	Data 2
0	Hanging Function[01]	Not use
1	Power Recovery [02]	Not use
2	Not use	Not use
3	Not use	Not use
4	Not use	Not use
5	Not use	Not use
6	Not use	Not use
7	Encryption Function	Not use

0: Disable 1: Enable (Default: **0000h**)

[01] Hanging Function

Rejection of the bill is completed with the end of the bill kept remaining in the acceptor.
(To prevent dropping of the bill)

[02] POWER RECOVERY

Limited to the case where power up status is [POWER UP WITH BILL IN STACKER] with power supply off while ACCEPTOR is in [STACKING] status, [VEND VALID] is outputted in case initializing is completed normally.

Since SETTING STATUS becomes DEFAULT 0000H by power supply off, it is necessary to conduct setting without fail after [RESET] command is transmitted.

Remarks

(1) SECURITY DATA

This function is not enabled even if each denomination is set to “Security level high”.

(2) Operation with SD3 stacker: Output timing of [VEND VALID]

When [STACK-1] or [STACK-2] is received, EBA-30-SD3 will send [VEND VALID] in the following timings:

- * Output timing of [VEND VALID] upon receiving [STACK-1]
EBA-30-SD3 will send [VEND VALID] after PB unit finishes its operation.
- * Output timing of [VEND VALID] upon receiving [STACK-2]
EBA-30-SD3 will send [VEND VALID] when a bill is stacked into the cash box.

(3) Operation without SD3 stacker: Output timing of [VEND VALID]

EBA-30 will send [VEND VALID] at the timing of [STACK-1], regardless of receiving [STACK-1] or [STACK-2].

(4) Power recovery

Memory backup period for sec power outage is 5 seconds at minimum. For outage of more than 5 seconds, power recovery becomes impossible and the data in memory will be lost.

(5) The following “FAILURE” and “ERROR” status are added on the communication specification for ID-003 4 th edition.

*FAILURE Status

FAILURE [0x49] + DATA

DATA	Description
0xa1	Stacking mechanism failure
0xb6	Wrong download file
0xc1	Centering mechanism failure
0xc2	The rollers for centering mechanism do not move up and down
0xc3	Communication error with the stacker board

*ERROR Status

[0x4d] Key Unlocked

EBA-30-SD3 will send this command when the cash box key is unlocked.

EBA-30-SD3 will initialize itself when the cash box is put into place and the key is locked.

(The key switch is an optional part. EBA-30-SD3 does not send the error status if the key switch is disabled with dipswitch settings. Bill acceptor does not send this command in operation without SD3 stacker.)

[0x4e] Stacker unit separated form acceptor unit

EBA-30-SD3 will send this command when the stacker unit separated form acceptor unit .

EBA-30-SD3 will initialize itself when the stacker unit is put into place.

(EBA-30-SD3 does not send this command in operation without SD3 stacker)