

Software Information Sheet



JCM American Corporation
 Japan Cash Machine Germany GmbH
 JCM Gold (H.K.) Ltd.
 JCM United Kingdom Ltd.
 Japan Cash Machine Co., Ltd. (Headquarters – Japan)

TEL +1-702-651-0000
 TEL +49-211-530645-0
 TEL +852-2429-7187
 TEL +44-870-770-2863
 TEL +81-6-6703-8405

General Information

Model Name:	EBA-30/34-SD3				SW.Req. No.	C20-073-01	----			
SW. Name:	EBA-30(DNK/SWE/EUR2/NOR)-SD3 ID-003E				Date: (mm,dd,yyyy)	04.23.2008	Rev: B1			
SW. Version:	V3.71-01				Note:					
Country (Code):	Denmark,Sweden, European Union, Norway				Guide:					
Currency:	Krone (Denmark) Krone (Sweden) Euro (European Union) Krone (Norway)				Check Sum:	5129				
Direction:	4Way				CRC (seed= 0000):	2717				
Denomination: Years & MRI Ident 64/65 th	Denomi.	Printed	Issued	MRI#	Denomi.	Printed	Issued	MRI#		
	EURO				Denmark					
	5	'02		EUR5.1	50		'99	DKK50.4		
	10	'02		EUR10.1	50		'05	DKK50.5		
	20	'02		EUR20.1	100		'99	DKK100.5		
	50	'02		EUR50.1	100		'02	DKK100.6		
	Sweden				200		'97	DKK200.1		
	20		'97	SEK20.2	200		'03	DKK200.2		
	50		'96	SEK50.1	500		'97	DKK500.4		
	50		'06	SEK50.2	500		'03	DKK500.5		
	100		'01	SEK100.2						
	500		'01	SEK500.3						
	Norway									
	100	'95	'97	NOK100.2						
	100			NOK100.3						
200	'94	'94	NOK200.1							
200			NOK200.2							
500	'99		NOK500.2							
Acceptance Rate:	No less than 90%									
EPROM:	8 Mbit, 100 ns data acces, or faster. ST Part M27C801-100F1 or equivalent									
Modifications:	V3.70-01 → V3.71-01									
Validation:										
Operation:										
Interface:	1. In the V3.70-01, in the Currency Assign Data, the Code "00h" was sent instead of "71h". This problem has been corrected in this version.									
Modifications:	V3.70-01 (New Software Development)									
Validation:										
Operation:										
Interface:										
Memo:										

Dip Switch Settings

#	Dip Switch 1		Dip Switch 2
1	OFF	Setting Off	Without SD3 operation
	ON	Setting Off	SD3 operation
2	OFF	EUR 5 ACCEPT	Disable optional key switch
	ON	EUR 5 INHIBIT	Enable optional key switch
3	OFF	EUR 10 ACCEPT	Setting Off
	ON	EUR 10 INHIBIT	Setting Off
4	OFF	EUR 20 / SWE20 ACCEPT	Setting Off
	ON	EUR 20 / SWE20 INHIBIT	Setting Off
5	OFF	EUR 50 / SWE 50 / DNK 50 ACCEPT	Setting Off
	ON	EUR 50 / SWE 50 / DNK 50 INHIBIT	Setting Off
6	OFF	SWE 100 / NOR 100 / DNK 100 ACCEPT	Setting Off
	ON	SWE 100/ NOR 100 / DNK 100 INHIBIT	Setting Off
7	OFF	NOR 200 / DNK 200 ACCEPT	Setting Off
	ON	NOR 200 / DNK 200 INHIBIT	Setting Off
8	OFF	SWE 500/ NOR 500 / DNK 500 ACCEPT	Setting Off
	ON	SWE 500/ NOR 500 / DNK 500 INHIBIT	Setting Off

ID-003E Data Setting specification

VERSION DATA

SW. Version	E(DNK/SWE/EUR2/NOR)-30-SD3 ID003E-04v371-01 23APR08 2717
-------------	--

ESCROW DATA

Code	Denomination
61h	DNK 50
62h	DNK 100
63h	DNK 200
64h	DNK 500
65h	SWE 20
66h	SWE 50
67h	SWE 100
68h	SWE 500
71h	Reserved
72h	EUR 5
73h	EUR 10
74h	EUR 20
75h	EUR 50
76h	NOR 100
77h	NOR 200
78h	NOR 500

CURRENCY ASSIGN DATA

Code	Country	Denomi	Exp.
61h	3Ah	05h	01h
62h	3Ah	0Ah	01h
63h	3Ah	14h	01h
64h	3Ah	32h	01h
65h	05h	02h	01h
66h	05h	05h	01h
67h	05h	0Ah	01h
68h	05h	32h	01h
71h	00h	00h	00h
72h	E0h	05h	00h
73h	E0h	0Ah	00h
74h	E0h	14h	00h
75h	E0h	32h	00h
76h	07h	0Ah	01h
77h	07h	14h	01h
78h	07h	32h	01h

ENABLE/DISABLE DATA

DATA bit	Data 1	Data 2
0	DNK 50	Reserved
1	DNK 100	EUR 5
2	DNK 200	EUR 10
3	DNK 500	EUR 20
4	SWE 20	EUR 50
5	SWE 50	NOR 100
6	SWE 100	NOR 200
7	SWE 500	NOR 500

0: Enable 1: Disable (Default:0001h)

SECURITY DATA

DATA bit	Data 1	Data 2
0	DNK 50	Reserved
1	DNK 100	EUR 5
2	DNK 200	EUR 10
3	DNK 500	EUR 20
4	SWE 20	EUR 50
5	SWE 50	NOR 100
6	SWE 100	NOR 200
7	SWE 500	NOR 500

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

DIRECTION DATA

DATA bit	Direction	Sample: USA
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	Not use	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 staker: Output timing of [VEND VALID]

When [STACK-1] or [STACK-2] is received, EBA-3x-SD3 will send [VEND VALID] in the following timings:

- * Output timing of [VEND VALID] upon receiving [STACK-1]
EBA-3x-SD3 will send [VEND VALID] after PB unit finishes its operation.
- * Output timing of [VEND VALID] upon receiving [STACK-2]
EBA-3x-SD3 will send [VEND VALID] when a bill is stacked into the cash box.

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

EBA-3x 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 staker board

*ERROR Status

[0x4d] Key Unlocked

EBA-3x-SD3 will send this command when the cash box key is unlocked.

EBA-3x-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-3x-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-3x-SD3 will send this command when the stacker unit separated form acceptor unit .

EBA-3x-SD3 will initialize itself when the stacker unit is put into place.

(EBA-3x-SD3 does not send this command in operation without SD3 stacker)