

Software Information Sheet



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General Information

Model Name:	PUB-7/11-SRB-3020-X4				SW Req. No.	C14-0548-01		G14-253	
SW. Name:	PUB-7(SRB) ID-002/003/0E3/0D3				Date: (mm,dd,yyyy)	07.17.2014		Rev:	A1
SW. Version:	V2.03-90				Note:	-			
Country(Code):	Serbia(SRB)				Guide:	Type-3(71mm/83mm)			
Currency:	Dinara				Check Sum:	4C06			
Direction:	4 Way				CRC (seed= 0000):	39B7			
Denomination: Years & MRI Ident MRI Bankers' Guide to Foreign Currency 79 th Edition	Denomi	Printed	Issued	MRI#	Denomi	Printed	Issued	MRI#	
	10	'06, '11-	'06	RSD10.2A/B	500	'04	'04	RSD500.1A	
	20	'06	'06	RSD20.2A	500	'07	'04	RSD500.1B	
	50	'05, '11	'05	RSD50.2A/B	500	'11-	'04	RSD500.1C	
	100	'03	'03	RSD100.2	1000	'03,'06	'03	RSD1000.2A/B	
	100	'06, '11-	'06	RSD100.3B/C	2000	'11	'12	RSD2000.3	
	200	'06	'05	RSD200.2	5000	'03	'03	RSD5000.2	
	200	'05, '11	'05	RSD200.2B	5000	'10	'10	RSD5000.3	
AcceptanceRate:	No less than 90%								
EPROM:	Flash ROM only (8Mbit)								
Modifications:	V2.02-85 → V2.03-90								
Validation:	1. Improve acceptance of 10('06,'11-), 20('06), 50('05,'11), 100('06,'11-), 200('05,'11-), 500('07,'11-), 1000('06), 2000('11) and 5000('10) Dinara note.								
Operation:	-								
Interface:	-								
Memo:	<div>- After downloading this software to a unit with the software Vx.xx-19 or before, the following process is required to reset the individual address:<div>1. Set the DIP-switches #1 and #8 to “ON”.</div><div>2. Activate the unit.</div><div>3. The bezel LEDs will blink in white.</div><div>4. Set the DIP-switch #1 to “OFF”.</div></div> <div>- Once the Vx.xx-22 or Vx.xx-30 has been installed in the unit, the bezel illumination pattern #3, solid blue will continued to be set as default until the DIP-switches is re-set to select the illumination pattern after installing this software.</div> <div>- The 10, 20, 50, 100, 200, and 500 Dinara notes need to be inserted in the lower tray of the guides.</div> <div>- The 5,000 Dinara notes are not accepted in the ID-0D3 as the MDB interface does not support them.</div> <div>- In case out of spec banknotes (before 2003 years series) there are very similar characteristic with current series so it may not be possible to reject 100% of the old notes.</div>								

Dip Switch Settings

#	Dip Switch				
1	OFF	Normal operation			
	ON	Test Mode(Setting Mode)			
2	OFF	1-time scan mode (without validation retry)			
	ON	2-time scan mode (with validation retry)			
3	OFF	Without Option Unit (future use)			
	ON	With Option Unit (future use)			
4	OFF	1-time spin mode			
	ON	5-time spin mode			
5	Serial I/F mode(Dip-Sw8=OFF)			Pulse I/F mode(Dip-Sw8=ON)	
				SW5	PULSE WIDTH
				OFF	50ms/50ms
ON	150ms/180ms				
6	SW6	SW7	I/F selection		
	OFF	OFF	ID-003		
	ON	OFF	ID-0D3		
	OFF	ON	ID-0E3 without Encryption		
7	ON	ON	ID-0E3 with Encryption *1		
				SW6	SW7
			OFF	OFF	10 Dinara = 1 Pulse
			OFF	ON	Reserved
			ON	OFF	Reserved
			ON	ON	Reserved
8	OFF	Serial I/F Mode (Selected by Dip6&7)			
	ON	Pulse I/F Mode			

*1

When Encryption code becomes unknown in ID-0E3 encryption code, setDIP-SW1,2,3,4,5,6 ON, DIP-SW7,8 OFF and supply power. Set DIP-SW1 OFF, and the original encryption code (the last 6 digit of the serial number) is restored.

To write a new serial number manually, set DIP-SW1,2,3,4,5,6,7 ON, DIP-SW8OFF, and supply power. Set DIP-SW1 OFF and the TAIKO enters the serial number writing mode. Enter 6-digit serial number using the Serial Number Writer program, and the entered number is stored as an encryption code.

(*1) Denomination Setting Mode

1. Make a note of the current DipSw setting.
2. Power off.
3. Power up the acceptor at TEST MODE operation (DipSw1=ON).
4. Keep DipSw1=ON and set DipSw6=ON. Other Switches=OFF.
5. Set DipSW1=OFF to enter the standby mode (Status LED will Blink in sky blue or orange).
6. Set Enable or Disable mode
 - . Enable Denomination mode: DipSw7=OFF(Status LED will Blink in sky blue).
 - . Disable Denomination mode: DipSw7=ON (Status LED will Blink in orange).
7. Insert a bill you wish to set enable / disable.
8. Acceptor rejects the bill in one of the following conditions:
 - . When Enable Denomination Setting > Reject with status LED in Skyblue.
 - . When Disable Denomination Setting > Reject with status LED in orange.
 - . When validation was not good > Reject with status LED in red.
9. For another banknote, repeat from step 5.
10. If Setting is completed, power off.
11. Restore the original DipSw setting.
12. Power up.
13. Acceptor returns to standby mode, and the setup is completed.
14. After firmware update the setting remains unchanged.

All denominations will be enabled after the following process:

 1. Set DIP switches #1, #3, #4, #5, #6, & #7 to the "ON" position, #2 & #8 to the "OFF" position, and apply power to the unit.
 2. The bezel LEDs will be flashing in white.
 3. Set DIP switch #1 to the "OFF" position.
 4. The bezel LEDs will be lit in blue, and the setup is complete.

**** Remark ****

This process will be effective only in the Vx.xx-36 or newer.

In the Vx.xx-35 or older, each denomination needs to be enabled manually.

(*2) LED Illumination Pattern Setting

1. Make a note of the current DipSw setting.
2. Power off.
3. [Pattern 1] Power up the acceptor with DipSw1,2,7 = ON. Other switches = OFF.
[Pattern 2] Power up the acceptor with DipSw1,3,7 = ON. Other switches = OFF.
[Pattern 3] Power up the acceptor with DipSw1,7 = ON. Other switches = OFF.
[Pattern 4] Power up the acceptor with DipSw1,2,3,7 = ON. Other switches = OFF.
[Pattern 5] Power up the acceptor with DipSw1,4,7 = ON. Other switches = OFF.
[Pattern 6] Power up the acceptor with DipSw1,2,3,4,7 = ON. Other switches = OFF.
4. Power up.
5. Set DipSw1 = OFF, then LED illumination pattern is selected.
6. If Setting is completed, Power OFF.
7. Restore the original DipSw setting.
8. Power up.
9. Acceptor returns to standby mode and the setup is completed.

ID-003 Data Setting specification

VERSION DATA

SW. Version	P(SRB)-07 ID003-05V203-90 17JUL14 39B7
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ESCROW DATA

Code	Denomination
61h	10
62h	20
63h	50
64h	100
65h	200
66h	500
67h	1000
68h	5000
69h	2000

CURRENCY ASSIGN DATA

Code	Country	Denomi	Exp.
61h	74h	01h	01h
62h	74h	02h	01h
63h	74h	05h	01h
64h	74h	0Ah	01h
65h	74h	14h	01h
66h	74h	32h	01h
67h	74h	0Ah	02h
68h	74h	32h	02h
69h	74h	14h	02h

ENABLE/DISABLE DATA

DATA bit	Data 1	Data 2
0	10	2000
1	20	Reserved
2	50	Reserved
3	100	Reserved
4	200	Reserved
5	500	Reserved
6	1000	Reserved
7	5000	Reserved

0: Enable 1: Disable (Default: 00FEh)

SECURITY DATA

DATA bit	Data 1	Data 2
0	10	2000
1	20	Reserved
2	50	Reserved
3	100	Reserved
4	200	Reserved
5	500	Reserved
6	1000	Reserved
7	5000	Reserved

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	Not use	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: 0100h)

[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)

*1. When the rejected banknote is blocking the entry sensors, the "Reject" status remains unchanged.

*2. "Jam in Stacker" and "Power Up with Bill in Stacker" are both treated as jams which cannot be cleared unless attendants remove the jammed note. After clearing the jam, make sure to send reset command from the host machine.

ID-0E3 Data specification

Equipment category ID	“Bill Validator”		
Product code	“PUB-7”		
Build Code	“Standard”		
Manufacturer ID	“JCM”		
Software Revision	“V2.03-90”		
Comms Revision	“1”+“4”+“0”		
Polling priority	Units	Value	
	“1”	”200”	
	200ms = “1” + ”200”		
Country scaling factor	Scaling factor LSB	Scaling factor MSB	Decimal places
	100	0	2
Bill position	Data 1	Data 2	
	”11111111B”	“00000001B”	
Bill id	Bill TYPE x	Bill ID	
	Bill Type 1	“RS0010A”	
	Bill Type 2	“RS0020A”	
	Bill Type 3	“RS0050A”	
	Bill Type 4	“RS0100A”	
	Bill Type 5	“RS0200A”	
	Bill Type 6	“RS0500A”	
	Bill Type 7	“RS1000A”	
	Bill Type 8	“RS5000A”	
	Bill Type 9	“RS2000A”	
	Bill Type 10	“.....”	
	Bill Type 11	“.....”	
	Bill Type 12	“.....”	
	Bill Type 13	“.....”	
	Bill Type 14	“.....”	
	Bill Type 15	“.....”	
	Bill Type 16	“.....”	

Bank note event code

Data	Denomination
1	10 Dinara
2	20 Dinara
3	50 Dinara
4	100 Dinara
5	200 Dinara
6	500 Dinara
7	1000 Dinara
8	5000 Dinara
9	2000 Dinara
10	Reserved
11	Reserved
12	Reserved
13	Reserved
14	Reserved
15	Reserved
16	Reserved

Modify inhibit data

DATA bit	Data1	Data2
0	10 Dinara	2000 Dinara
1	20 Dinara	Reserved
2	50 Dinara	Reserved
3	100 Dinara	Reserved
4	200 Dinara	Reserved
5	500 Dinara	Reserved
6	1000 Dinara	Reserved
7	5000 Dinara	Reserved

Supported specification list

1. cctalk Generic Specification Issue 3.2
2. cctalk Expansion for Bill Validators Issue 2.1
3. cctalk Serial Protocol Encryption Standard Version 1.0

Supported commands list

1. Core Commands

Header 192 - Request build code
Header 244 - Request product code
Header 245 - Request equipment category id
Header 246 - Request manufacturer id
Header 254 - Simple poll

2. Core Plus Commands

Header 001 - Reset device
Header 004 - Request comms revision
Header 241 - Request software revision
Header 242 - Request serial number

3. Bill Validator Commands

Header 136 - Store encryption code
Header 137 - Switch encryption code
Header 145 - Request currency revision
Header 152 - Request bill operating mode
Header 153 - Modify bill operating mode
Header 154 - Route bill
Header 155 - Request bill position
Header 156 - Request country scaling factor
Header 157 - Request bill id
Header 159 - Read buffered bill events
Header 213 - Request Option flags
Header 216 - Request data storage availability
Header 227 - Request master inhibit status
Header 228 - Modify master inhibit status
Header 230 - Request inhibit status
Header 231 - Modify inhibit status
Header 247 - Request variable set
Header 249 - Request polling priority

4. MDCES-Multi-Drop Command Extension Set

Header 250 - Address Random
Header 251 - Address Change
Header 252 - Address Clash
Header 253 - Address Poll

ID-0D3 Setup Command

SETUP Command (31H) Response DATA (Z1-Z27)

Data No.	HEX Code	Note	
Z1	01h	Feature Level	Level 1
Z2	19h	Currency Code	ISO 4217 currency code
Z3	41h		SRB is 941
Z4	03h	Bill Scaling Factor	1000 for the RSD
Z5	E8h		
Z6	02h	Decimal Places	2 for the RSD
Z7	00h	Stacker Capacity	Non
Z8	00h		
Z9	FFh	Bill Security Levels	High security level
Z10	FFh		
Z11	FFh	Escrow / No Escrow	Validator has escrow capacity
Z12	01h	Bill type Credit	Bill type 0 (10 Dinara)
Z13	02h		Bill type 1 (20 Dinara)
Z14	05h		Bill type 2 (50 Dinara)
Z15	0Ah		Bill type 3 (100 Dinara)
Z16	14h		Bill type 4 (200 Dinara)
Z17	32h		Bill type 5 (500 Dinara)
Z18	64h		Bill type 6 (1000 Dinara)
Z19	00h		Bill type 7 (Not used)
Z20	C8h		Bill type 8 (2000 Dinara)
Z21	00h		Bill type 9 (Not used)
Z22	00h		Bill type 10 (Not used)
Z23	00h		Bill type 11 (Not used)
Z24	00h		Bill type 12 (Not used)
Z25	00h		Bill type 13 (Not used)
Z26	00h		Bill type 14 (Not used)
Z27	00h		Bill type 15 (Not used)