

Software Information Sheet



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General Information

Model Name:	PUB-7/11-EUR-1020-X2				SW.Req. No.	C21-0067-01	G21-030	
SW. Name:	PUB-7(EUR5) ID-002/003				Date: (mm,dd,yyyy)	03.10.2021	Rev:	A1
SW. Version:	V2.31-A2				Note:	-		
Country(Code):	European Union (EUR)				Guide:	Type-1(68mm/83mm)		
Currency:	Euro				Check Sum:	0DE6		
Direction:	4 Way				CRC (seed= 0000):	1A57		
Denomination: Years & MRI Ident MRI Bankers' Guide to Foreign Currency 95 th Edition	Denomi	Printed	Issued	MRI#	Denomi	Printed	Issued	MRI#
	5	'02	'02	EUR5.1	100	'02	'02	EUR100.1
	5	'13	'13	EUR5.2	100	'19	'19	EUR100.2
	10	'02	'02	EUR10.1	200	'02	'02	EUR200.1
	10	'14	'14	EUR10.2	200	'19	'19	EUR200.2
	20	'02	'02	EUR20.1	500	'02	'02	EUR500.1
	20	'15	'15	EUR20.2				
	50	'02	'02	EUR50.1				
	50	'17	'17	EUR50.2				
AcceptanceRate:	No less than 90%							
EPROM:	Flash ROM only (8Mbit)							
Modifications:	V2.30-A2 → V2.31-A2							
Validation:	1. Enhance HF countermeasure of EUR20.1							
Operation:	-							
Interface:	-							
Modifications:	V2.28-A2 → V2.30-A2							
Validation:	2. Improved acceptance rate of EUR10.2, EUR20.2, EUR50.1, EUR50.2, EUR100.2 and EUR200.2 notes. 3. Improve CF countermeasure of EUR20.1 and EUR50.1 note. 4. Improve double stack notes detection of EUR5.1							
Operation:	1. Fix the problem that EUR500.1 cannot be disabled using DIP-Switch Enable/Disable Settings.							
Interface:	-							
Memo:	<ul style="list-style-type: none"> - 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: <ol style="list-style-type: none"> 1. Set the DIP-Switches #1 and #8 to "ON". 2. Activate the unit. 3. The bezel LEDs will blink in white. 4. Set the DIP-Switch #1 to "OFF". - 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. - The 5 and 10 Euro banknotes need to be inserted in the lower tray of the bezel. 							

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	Normal Security																
	ON	High Security																
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	<table><tr><td>SW6</td><td>SW7</td><td>Number of PULSE</td></tr><tr><td>OFF</td><td>OFF</td><td>5 Euro = 1 Pulse</td></tr><tr><td>OFF</td><td>ON</td><td>5 Euro = 2 Pulse</td></tr><tr><td>ON</td><td>OFF</td><td>5 Euro = 5 Pulse</td></tr><tr><td>ON</td><td>ON</td><td>5 Euro = 10 Pulse</td></tr></table>			SW6	SW7	Number of PULSE	OFF	OFF	5 Euro = 1 Pulse	OFF	ON	5 Euro = 2 Pulse	ON	OFF	5 Euro = 5 Pulse	ON	ON	5 Euro = 10 Pulse
SW6				SW7	Number of PULSE													
OFF				OFF	5 Euro = 1 Pulse													
OFF				ON	5 Euro = 2 Pulse													
ON				OFF	5 Euro = 5 Pulse													
ON	ON	5 Euro = 10 Pulse																
7																		
8	OFF	Serial I/F Mode (Selected by DIP6&7)																
	ON	Pulse I/F Mode																

(*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.

Denominations Enabling 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(EUR5)-07 ID003-05V231-A2 09MAR21 1A57
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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	64h	00h
67h	E0h	C8h	00h
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	A	
1	'B' Direction		
2	'C' Direction		
3	'D' Direction		
4	Not used	C	
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.